



BUILT FOR IT.™



2015 Filter and Fluid Application Guide

5th Edition



| Section | Page |
|--|-------------|
| Introduction | 3 |
| Micron Ratings | 5 |
| Use Of Micron Ratings In The Filter Industry | 5 |
| Cat Engines | 9 |
| Generator Sets | 9 |
| C175-20 | 28 |
| Industrial Engines | 94 |
| Marine Engines | 141 |
| Truck Engines | 156 |
| Cat Machines | 177 |
| Agricultural Tractors | 177 |
| Articulated Dump Trucks | 196 |
| Asphalt Pavers | 215 |
| Backhoe Loaders | 234 |
| Cold Planers | 274 |
| Earthmoving Compactors | 282 |
| Excavators | 297 |
| Forestry Products | 476 |
| Integrated Toolcarriers | 505 |
| Motor Graders | 520 |
| Off-Highway Trucks | 562 |
| Paving Compactors | 603 |
| Pipelayers | 664 |
| Road Reclaimers | 675 |
| Skid Steer Loaders | 685 |
| Telehandlers | 712 |
| Track Loaders | 725 |
| Track Skidders | 742 |
| Track-Type Tractors | 748 |
| Wheel Dozers | 851 |
| Wheel Loaders | 865 |
| Wheel Skidders | 939 |
| Wheel Tractor-Scrapers | 953 |
| Expanded Mining Fluid Recommendations | 1003 |
| Hydraulic Shovels | 1003 |
| Electric Rope Shovels | 1003 |
| Dragline | 1004 |
| Rotary Drills | 1004 |
| Track Drills | 1005 |
| Unit Rig™ Mining Truck | 1005 |
| Continuous Miner | 1006 |
| Roof Support | 1006 |
| Expanded Mining Cross Reference | 1009 |
| Belts | 1009 |
| Continuous Miner | 1009 |
| Drills | 1010 |
| Electric Rope Shovels | 1016 |
| Highwall Miners | 1017 |
| Hydraulic Mining Shovels | 1019 |
| Mining Trucks | 1022 |
| Roof Supports | 1024 |

Table of Contents

| | |
|--|-------------|
| Room and Pillar..... | 1024 |
| Shearer..... | 1025 |
| Transportation..... | 1025 |
| Miscellaneous..... | 1027 |
| Filters..... | 1029 |
| Cat Element Features..... | 1030 |
| Cat Filter Features..... | 1030 |
| Cat Air Filters..... | 1031 |
| Cabin Air Filtration Upgrade Options..... | 1032 |
| Cat Cabin Air Filters..... | 1033 |
| Filter Efficiency Options..... | 1035 |
| Fluid Information and Part Numbers..... | 1039 |
| Oils..... | 1040 |
| Cat Lubricants..... | 1040 |
| Oil Part Numbers..... | 1041 |
| Specialty Oils / Additives..... | 1041 |
| Coolants..... | 1046 |
| Greases..... | 1053 |
| Fluids Part Numbers Charts..... | 1056 |
| Cat Oils Part Numbers..... | 1056 |
| Coolant Part Numbers..... | 1062 |
| Additional Resources..... | 1065 |
| Literature Reference..... | 1065 |
| Datasheet References..... | 1067 |
| Filters Datasheets..... | 1067 |
| Oils Datasheets..... | 1068 |
| Coolants Datasheets..... | 1069 |
| Greases Datasheets..... | 1070 |

Cat® Filter and Fluids Provide Superior Protection and Lower Owning & Operating Costs

Cat Filters

Maintaining system cleanliness is an important part of reducing owning and operating costs. Cat Filters are designed for Cat Engines and component systems and provide the highest levels of cleanliness and performance. This protection reduces wear and maximizes component life.

Cat Filter Benefits

- Consistent Quality
- Reliable Protection
- Long Component and Filter life

Cat Oil

Cat Oil is specially developed to maximize component life by resisting oxidation, preventing buildup, and maintaining proper viscosity. Each type of oil undergoes extensive testing processes to demonstrate long service life. Oil drain intervals may be extended with the Cat S•O•SSM Services Oil Analysis Program and Cat Filters.

Cat Oil Benefits

- Consistent high performance oils formulated for the needs of Cat machines and engines
- Superior wear protection
- A complete line of Oils for every application and environment

Cat Grease

Cat Grease is specially designed for Cat Machines to greatly reduce pin and bushing wear issues, such as galling and scaring, and to help prevent seizing. Cat Grease is also corrosion resistant and resists water/salt water washout.

Premium Cat Grease - For the ultimate performance in moderate and extreme climates

- Cat Extreme Application Grease (Moderate Climates)
- Cat Extreme Application Grease - Desert (Extreme Hot Climates)
- Cat Extreme Application Grease - Arctic (Extreme Cold Climates)

Multi-Purpose Cat Grease - For general lubrication in moderate climates

- Cat Utility Grease
- Cat Prime Application Grease
- White Assembly Grease

Specialty Greases

- Cat Ball Bearing Grease
- High Vacuum Grease
- Hammer Paste
- Cat Open Gear Lubricant (OGL)
- Petro Gel Amber

Cat Coolant

Cat Coolant is formulated to provide excellent protection against boiling and freezing, while preventing corrosion.

Cat Coolant Benefits

- High boiling temperature
- Freeze Protection
- Superior corrosion protection
- Non-foaming
- Scale and deposit prevention
- Organic Base Chemistry
- Lower Cost 40-50% less than conventional

Use Of Micron Ratings In The Filter Industry

Measuring Filter Quality

Caterpillar is committed to providing customers with high quality, cost-effective filtration products designed to meet specific performance requirements. Cat Filters have the same consistent high quality no matter when or where they are purchased.

Testing has demonstrated that competitive “will-fit” filter suppliers offer products that vary widely in quality. Because of this, competitors often promote their filters based on comparative tests that do not represent actual field performance. Most troubling is the inconsistent use of absolute and nominal “micron ratings” than can be confusing and easily manipulated. Cat Filters undergo a wide range of testing to demonstrate that they provide both the top level filtration and a superior construction that ensures excellent filtration is provided with each Cat Filter, even in the toughest conditions.

Understanding Micron Ratings

Micron ratings are generated by the ISO 16889 laboratory test that was designed as a research and development tool. Instead, manufactures of competitive filters are using this micron metric in their marketing to create an artificial impression of filtration quality.

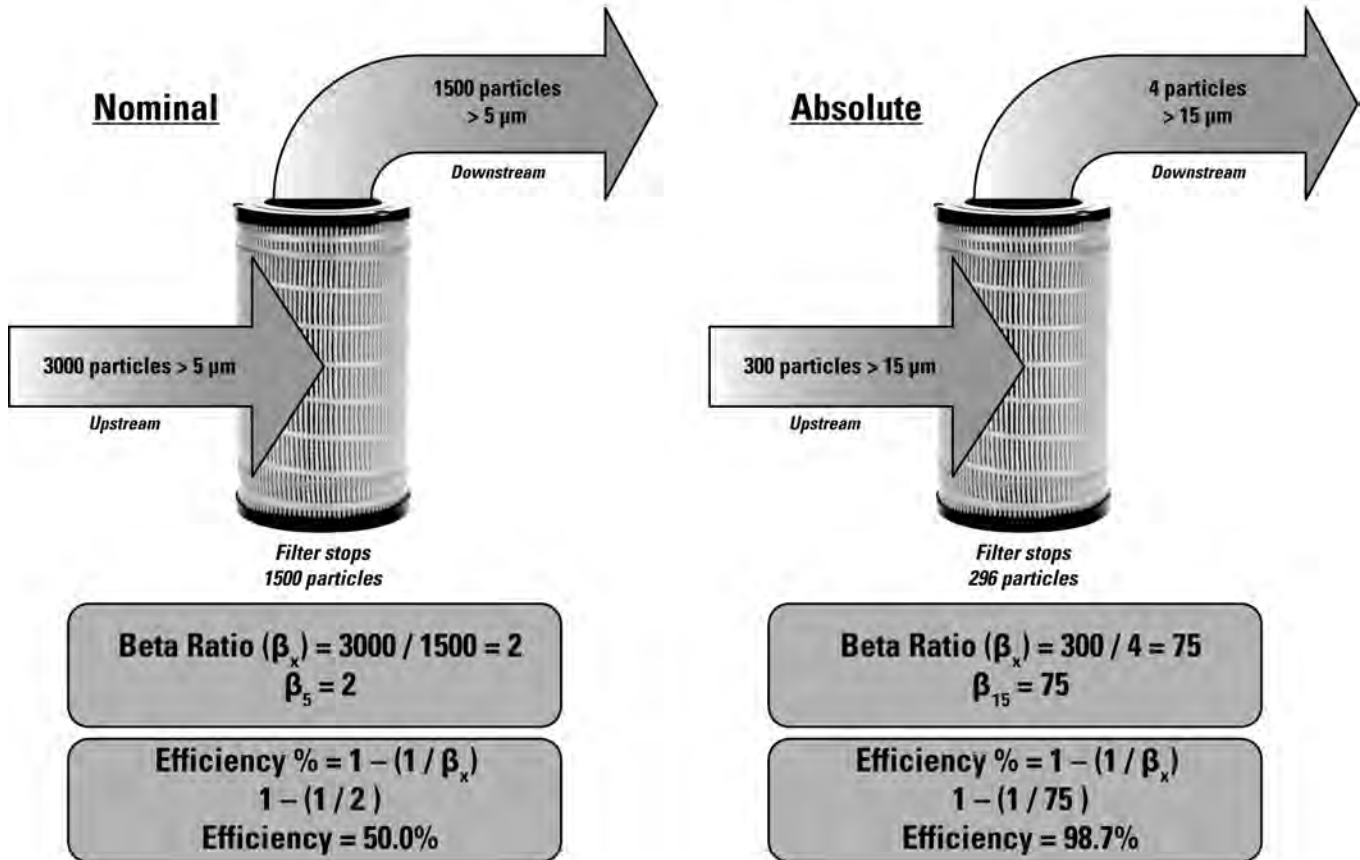
The problem with this lies in the nature of the test. The ISO 16889 laboratory test inserts a concentrated stream of artificial contaminants under a predetermined constant flow and other steady-state conditions to progressively load the filter until a specified pressure drop is reached. During the test, particles entering and exiting the filter are electronically counted. A comparison of the particle count on each side of the filter being tested is called the filtration ratio or Beta Ratio.

The micron rating only demonstrates the ability of filters to capture particles in a laboratory setting, and no claim is made that these particles will be retained within the media during real world working conditions. This means that a filter with a high laboratory Beta Ratio could allow particles to pass back into the clean side of the filter causing premature component wear.

Many competitors will use a “nominal” and an “absolute” micro rating. For example, a filter may be labeled as having a low nominal rating with particles of 5 microns in size, while showing a high absolute rating for particles 15 microns in size. What this means is that ISO 16889 shows that the filter is able to capture nearly all of the larger particles, while letting roughly half of the smaller particles through to damage fuel injectors and other components.

The following illustration demonstrates the difference between the nominal and absolute ratings. The graphic on the left is said to indicate a “Beta Ratio of 2,” while the graphic on the right indicates a “Beta Ratio of 75.” The particle size (or microns at which the Beta ratio is calculated) is shown as a subscript to the Beta symbol.

Beta Ratios



Summary




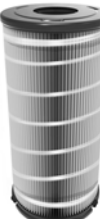












Consistent Quality is the Key to Reducing Component Wear

Do not be misled by claims based upon unrepresentative lab tests or ambiguous micron ratings. A similar Beta Ratio summary can be found in the marketing materials of most will-fit suppliers, but little mention is made of the most critical filter aspects: Structural Integrity and Consistent Quality.

Caterpillar's highly automated manufacturing processes and robust designs virtually eliminate many of the inconsistencies that occur on many conventional filter assembly lines. Examples of problems arising from these inconsistencies are metallic process contamination and end-cap/media-seam leak paths. Caterpillar clearly recognizes that automation and strict quality control are the keys to minimizing part-to-part variation.

Micron Ratings

Filtration Efficiency Options

| | Engine Lube Oil | Fuel/Water Separator (Primary) | Fuel (Secondary) | Hydraulic | Transmission | Engine Air |
|-------------------|--|--|---|---|---|--|
| Standard |  <p>30 - 40 µm</p> |  <p>> 20 µm</p> |  <p>> 10 µm</p> |  <p>27 - 40 µm</p> |  <p>27 - 40 µm</p> |  <p>Min. 99.6%</p> |
| Advanced |  <p>15 - 30 µm</p> |  <p>10 - 20 µm</p> |  <p>4 - 10 µm</p> |  <p>10 - 27 µm</p> |  <p>10 - 27 µm</p> | N/A |
| Ultra High |  <p>< 15 µm</p> |  <p>< 10 µm</p> |  <p>< 4 µm</p> |  <p>< 10 µm</p> | UHE Not Advised |  <p>Min. 99.6%</p> |

Coolants

| Cat Recommended Coolants | | |
|--|--------------|--|
| Engine Type | Coolant Type | Service life {1} |
| Natural Gas | NGEC | Three Years {4} {5} {6} |
| Diesel | Cat ELC | 12,000 Service Hours or Six Years {2} {3} |
| Diesel | Cat DEAC | Three Years {4} {5} {6} |
| Natural Gas | Cat SCA | Two Years {4} {5} {6} |
| Diesel | Cat ELI | 12,000 Service Hours or Six Years {2} {3} |
| Diesel | Cat SCA | 3,000 Service Hours or Two Years {4} {5} {6} |
| {1} Use the interval that occurs first | | |
| {2} Add Cat ELC Extender at 6,000 hours or one half of the service life for the ELC | | |
| {3} These coolant change intervals are only possible with annual S-O-S Level 2 coolant sampling and analysis | | |
| {4} These coolant change intervals are only possible with annual S-O-S Level 2 coolant sampling and analysis and Level 1 sampling every 500 hours. | | |
| {5} Service life is limited by use (service hours). Refer to the specific engine Operation and Maintenance Manual | | |
| {6} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250, SEBU6400 and SEBU7003).

| Oil Type | Viscosity Grade | Drain Interval {2} | °C | | °F | |
|--|-----------------|--------------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| NGEO | SAE 40 | + | -10 | 40 | 14 | 104 |
| NGEO EL350 | SAE 40 | ++ | | | | |
| NGEO Advanced 40 | SAE 40 | ++ | | | | |
| NGEO Ultra 40 {1} | SAE 40 | +++ | | | | |
| {1} Factory Fill Fluid | | | | | | |
| {2} Oil drain interval is dependent on the engine, application, and fuel quality and can vary per engine series. SOS is strongly recommended to determine the optimal oil drain interval for each application. | | | | | | |

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS™ | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Generator Sets

Greases

| Cat Recommended Grease | |
|--|---------------------|
| Grease Type | Part Number |
| Cat Ball Bearing Grease | 454-0291, 454-0292* |
| *450g cartridge for Australia and New Zealand only | |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

C2.2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| C4M1-UP | | | | |
| Air | 1 | 247-1380 | - | - |
| Air Primary | 1 | 198-5314 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| C6M1-UP | | | | |
| Air | 1 | 247-1380 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 296-0888 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C8Y1-UP | | | | |
| Air | 1 | 247-1380 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| C8Z1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 220-1523 | - | - |
| E2M1-UP(Engine) | | | | |
| Air | 1 | 266-2793 | - | - |
| Air | 1 | 263-1285 | - | - |
| Air | 1 | 247-1380 | - | - |
| Air Primary | 1 | 198-5314 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| E6K1-UP(Engine) | | | | |
| Air | 1 | 247-1380 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| G7L1-UP | | | | |
| Air | 1 | 247-1380 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 296-0888 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| G7M1-UP | | | | |
| Air | 1 | 247-1380 | - | - |
| Air Primary | 1 | 198-5314 | - | - |

C2.2 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| G9P1-UP | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| Filter | 1 | 443-0388 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| GBE1-UP | | | | |
| Air | 1 | 263-1285 | - | - |
| Air | 1 | 266-2793 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| JAW1-UP | | | | |
| Air Primary | 1 | 198-5314 | - | - |
| NCB1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 263-1285 | - | - |
| Air | 1 | 246-5011 | - | - |
| Air | 1 | 266-2793 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| SAG1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| TAG1-UP | | | | |
| Air Primary | 1 | 198-5314 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 206-6910 | - | - |
| Fuel | 1 | 210-6787 | - | - |
| Fuel | 1 | 210-6712 | - | - |
| Fuel | 2 | 236-6057 | - | - |
| XYE1-UP | | | | |
| Air | 1 | 266-2793 | - | - |
| Air | 1 | 263-1285 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |

C3.3

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 1131-UP | | | | |
| Fuel | 1 | 258-8538 | - | - |
| E3H1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1803 | - | - |
| E3J1-UP | | | | |
| Fuel - FWS | 1 | 1R-1803 | - | - |
| E3K1-UP | | | | |
| Fuel - FWS | 1 | 1R-1803 | - | - |
| N3C1-UP | | | | |
| Air | 1 | 263-1285 | - | - |
| Air | 1 | 266-5732 | - | - |
| Air | 1 | 266-2793 | - | - |
| Air Primary | 1 | 267-6398 | - | - |
| Air Secondary | 1 | 267-6399 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| N3X1-UP | | | | |
| Air | 1 | 266-5732 | - | - |
| Air | 1 | 266-2793 | - | - |
| Air | 1 | 263-1285 | - | - |
| Air Primary | 1 | 267-6398 | - | - |
| Air Secondary | 1 | 267-6399 | - | - |
| Fuel | 1 | 258-8538 | - | - |
| NCC1-UP | | | | |
| Air | 1 | 263-1285 | - | - |
| Air | 1 | 266-2793 | - | - |
| Air | 1 | 266-5732 | - | - |
| Air Primary | 1 | 267-6398 | - | - |
| Air Secondary | 1 | 267-6399 | - | - |

Generator Sets

C3.3 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| X3B1-UP | | | | |
| Air | 1 | 263-1285 | - | - |
| Air | 1 | 266-2793 | - | - |
| Air | 1 | 266-5732 | - | - |
| Air Primary | 1 | 267-6398 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 267-6399 | - | - |
| Fuel | 1 | 258-8538 | - | - |

C4.4

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 4441-UP | | | | |
| Air | 1 | 160-7163 | - | - |
| Air | 1 | 321-2413 | - | - |
| Air Primary | 1 | 321-2411 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Primary | 1 | 130-4678 | - | - |
| Air Secondary | 1 | 130-4679 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Air Secondary | 1 | 321-2412 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel | 1 | 311-1110 | - | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| 4461-UP | | | | |
| Air | 1 | 321-2413 | - | - |
| Air Primary | 1 | 321-2411 | - | - |
| Air Primary | 1 | 233-5182 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 321-2412 | - | - |
| Air Secondary | 1 | 233-5184 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| 4481-UP | | | | |
| Air | 1 | 321-2413 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Primary | 1 | 321-2411 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Air Secondary | 1 | 321-2412 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Filter Element-Air | 1 | 325-2004 | - | - |
| Filter Element-Air | 1 | 325-2003 | - | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| A5E1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| A6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| D1K1-UP(Engine) | | | | |
| Air Primary | 1 | 123-2367 | - | - |
| Engine Oil | 1 | 288-4110 | - | - |
| Engine Oil | 2 | 081-4661 | - | - |

C4.4 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 2 | 287-6052 | - | - |
| Fuel | 1 | 288-4572 | - | - |
| D4B1-UP | | | | |
| Air | 1 | 322-0552 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| D4D1-UP | | | | |
| Air | 1 | 322-0552 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Fuel | 1 | 258-8538 | - | - |
| E3L1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| E3N1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| E4M1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| E5M1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| GLD1-UP | | | | |
| Air | 1 | 270-7362 | - | - |
| Air Primary | 1 | 270-7368 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| GLE1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| J1Z1-824(Engine) | | | | |
| Fuel | 1 | 288-4572 | - | - |
| Fuel | 2 | 287-6052 | - | - |
| J1Z1-UP(Engine) | | | | |
| Air Primary | 1 | 212-4478 | - | - |
| Air Primary | 1 | 233-5182 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| L1K1-UP | | | | |
| Air | 1 | 122-6616 | - | - |
| Air Primary | 1 | 123-2367 | - | - |
| Air Primary | 1 | 233-5182 | - | - |
| Air Primary | 1 | 212-4478 | - | - |
| Air Secondary | 1 | 123-2368 | - | - |
| Air Secondary | 1 | 233-5184 | - | - |
| Engine Oil | 2 | 081-4661 | - | - |
| Engine Oil | 1 | 288-4110 | - | - |
| Fuel | 1 | 250-6527 | - | - |
| Fuel | 2 | 287-6052 | - | - |
| Fuel | 1 | 288-4572 | - | - |
| LC41-UP | | | | |
| Air | 1 | 270-7362 | - | - |
| Air Primary | 1 | 270-7368 | - | - |
| LC51-UP | | | | |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| MMC1-UP | | | | |
| Air Primary | 1 | 233-5182 | - | - |
| Air Secondary | 1 | 233-5184 | - | - |
| Fuel Secondary - ADV | 2 | 1R-0750 | 1R-0750 | - |
| N4D1-UP | | | | |
| Air | 1 | 270-7362 | - | - |
| Air | 1 | 270-7361 | - | - |
| Air | 1 | 263-0544 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 270-7368 | - | - |
| N4E1-UP | | | | |
| Air | 1 | 263-2534 | - | - |
| Air Primary | 1 | 233-5182 | - | - |
| N4X1-UP | | | | |
| Air | 1 | 263-0544 | - | - |

Generator Sets

C4.4 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 270-7361 | - | - |
| Air | 1 | 270-7362 | - | - |
| Air Primary | 1 | 270-7368 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Fuel | 1 | 258-8538 | - | - |
| NCD1-UP | | | | |
| Air | 1 | 270-7362 | - | - |
| Air | 1 | 270-7361 | - | - |
| Air | 1 | 263-0544 | - | - |
| Air Primary | 1 | 270-7368 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| NCE1-UP | | | | |
| Air | 1 | 263-2534 | - | - |
| Air Primary | 1 | 233-5182 | - | - |
| NRP1-UP | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel Secondary UHE | 2 | 399-1442 | - | 399-1442 |
| S1M1-UP | | | | |
| Air | 1 | 122-6616 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 212-4478 | - | - |
| Air Primary | 1 | 233-5182 | - | - |
| Air Primary | 1 | 123-2367 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 123-2368 | - | - |
| Air Secondary | 1 | 233-5184 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 2 | 081-4661 | - | - |
| Engine Oil | 1 | 288-4110 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 2 | 287-6052 | - | - |
| Fuel | 1 | 288-4572 | - | - |
| Fuel | 1 | 250-6527 | - | - |
| XYC1-UP | | | | |
| Air | 1 | 263-2534 | - | - |
| Air Primary | 1 | 233-5182 | - | - |
| Fuel | 1 | 258-8538 | - | - |
| XYD1-UP | | | | |
| Air | 1 | 263-0544 | - | - |
| Air | 1 | 270-7362 | - | - |
| Air | 1 | 270-7361 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 270-7368 | - | - |
| Fuel | 1 | 258-8538 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

C6.6

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 6661-UP | | | | |
| Air | 1 | 344-0919 | - | - |
| Air | 1 | 289-2347 | - | - |
| Air | 1 | 160-7163 | - | - |
| Air | 1 | 246-5011 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Primary | 1 | 130-4678 | - | - |
| Air Primary | 1 | 221-1170 | - | - |
| Air Primary | 1 | 289-2348 | - | - |
| Air Secondary | 1 | 130-4679 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 221-1174 | - | - |
| Air Secondary | 1 | 289-2349 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |

C6.6 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 281-8750 | - | - |
| Fuel - FWS | 1 | 271-5076 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Fuel Primary | 1 | 309-0860 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6671-UP | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Fuel Primary | 1 | 309-0860 | - | - |
| C6T1-UP | | | | |
| Air | 1 | 326-8644 | - | - |
| Engine Oil | 1 | 288-4110 | - | - |
| Engine Oil | 2 | 081-4661 | - | - |
| Fuel | 1 | 333-2364 | - | - |
| Fuel | 1 | 331-3778 | - | - |
| Fuel | 1 | 326-3277 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| E6M1-6394(Engine) | | | | |
| Air | 1 | 160-7163 | - | - |
| Air Secondary | 1 | 130-4679 | - | - |
| E6M1-UP(Engine) | | | | |
| Air | 1 | 289-2347 | - | - |
| Air | 1 | 344-0919 | - | - |
| Air Primary | 1 | 130-4678 | - | - |
| Air Primary | 1 | 221-1170 | - | - |
| Air Primary | 1 | 289-2348 | - | - |
| Air Secondary | 1 | 221-1174 | - | - |
| Air Secondary | 1 | 289-2349 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| LC61-UP | | | | |
| Air | 1 | 344-0919 | - | - |
| Air Primary | 1 | 130-4678 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| SAX1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| SDA1-UP | | | | |
| Air | 1 | 289-2347 | - | - |
| Air Primary | 1 | 289-2348 | - | - |
| Air Secondary | 1 | 289-2349 | - | - |

C9

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 9DG1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |

Generator Sets

C9 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| C9A1-UP | | | | |
| Air | 1 | 196-8518 | - | - |
| Air Primary | 1 | 1C-6398 | - | - |
| Air Primary | 1 | 243-6350 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 2 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| C9B1-UP | | | | |
| Air | 1 | 196-8518 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| C9E1-UP | | | | |
| Air | 1 | 262-5194 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| C9J1-UP | | | | |
| Air Primary | 1 | 243-6350 | - | - |
| Air Primary | 1 | 1C-6398 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 2 | 1R-0750 | 1R-0750 | - |
| C9S1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| C9Y1-UP | | | | |
| Air Primary | 1 | 1C-6398 | - | - |
| Air Primary | 1 | 243-6350 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 2 | 1R-0750 | 1R-0750 | - |
| C9Z1-UP | | | | |
| Air Primary | 1 | 243-6350 | - | - |
| Air Primary | 1 | 1C-6398 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 2 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| CKP1-30 | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| CKP1-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| CKP1250-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| CKP31-UP | | | | |
| Engine Oil | 1 | 211-4359 | - | - |
| CKP43-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| CSN1-UP | | | | |
| Air | 1 | 196-8518 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| ETK1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| ETK301-588 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| JLW1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Generator Sets

C9 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| JSC1-UP | | | | |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| KLW1-UP | | | | |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| KLX1-UP | | | | |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| LFE1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 211-4359 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| LFR1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| MBD1-UP | | | | |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| MFF1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| MNK1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| MTB1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Generator Sets

C9 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| NBP1-UP | | | | |
| Air Secondary | 1 | 142-1403 | - | - |
| NGP1-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| P7Z1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| P9L1-UP | | | | |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| P9W1-UP | | | | |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| REH1-UP | | | | |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| S9L1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| S9P1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| SJB1-UP | | | | |
| Air Primary | 1 | 1C-6398 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 2 | 1R-0750 | 1R-0750 | - |
| SRB1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| X3R1-UP | | | | |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

C9 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - | Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| X9X1-UP | | | | | Z9X1-UP | | | | |
| Air | 1 | 196-8518 | - | - | Air | 1 | 196-8518 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - | Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel - FWS | 1 | 170-0061 | - | - | | | | | |

C15

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|----------------------|----------|-------------|----------|-----------------------|
| B5R1-UP | | | | | Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Air | 1 | 299-7553 | - | - | C5H1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Air Primary | 1 | 151-7737 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - | Air Primary | 1 | 246-5009 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Air Primary | 1 | 9Y-3879 | - | - |
| BXS1-19891 | | | | | Air Secondary | 1 | 189-0202 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 | Air Secondary | 1 | 246-5010 | - | - |
| BXS1-UP | | | | | C5L1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - | Air Primary | 1 | 151-7737 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Air Primary | 1 | 246-5009 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Air Primary | 1 | 9Y-3879 | - | - |
| C5E1-UP | | | | | Air Secondary | 1 | 189-0202 | - | - |
| Air Primary | 1 | 246-5009 | - | - | Air Secondary | 1 | 246-5010 | - | - |
| Air Primary | 1 | 9Y-3879 | - | - | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Air Primary | 1 | 251-5886 | - | 292-5863 | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Air Primary | 1 | 151-7737 | - | - | CY1-UP | | | | |
| Air Secondary | 1 | 246-5010 | - | - | Air Primary | 1 | 9Y-3879 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - | Air Primary | 1 | 151-7737 | - | - |
| Air Secondary | 1 | 189-0202 | - | - | Air Primary | 1 | 246-5009 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | Air Secondary | 1 | 246-5010 | - | - |

Generator Sets

C15 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 189-0202 | - | - |
| FFH1-UP(Engine) | | | | |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| FFJ1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| FSE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| FTE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| FTH1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| GB31-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| H5G1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| HAZ1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| HAZ100-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 170-0061 | - | - |
| JAS1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| JDK1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| JDY1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

C15 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| JEP1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| JJF1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Oil - ADV | 2 | 249-2347 | - | - |
| JKG1-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| JKG502-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| JRE1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| JRE13588-UP | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| KRA1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| L8B1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| LDN1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 396-2122 | - | 420-5282 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 331-8111 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Oil - ADV | 2 | 249-2347 | - | - |
| LNA1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| LXJ1-UP | | | | |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Primary | 1 | 151-7737 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| LZA1-UP | | | | |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Primary | 1 | 151-7737 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| MBS1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| MCW1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |

Generator Sets

C15 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| MCW510-UP | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| MG21-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Secondary | 1 | 333-1189 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter-Fuel | 2 | 416-1225 | - | 416-1225 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Oil - ADV | 2 | 249-2347 | - | - |
| MHP1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| MXS1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| N5F1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 333-1189 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Oil - ADV | 2 | 249-2347 | - | - |
| NAP1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| NKL1-UP | | | | |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 151-7737 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| NXS1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| NXS31373-UP | | | | |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| P1K1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| P1Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| P3Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| P4Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| PEC1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 251-5886 | - | 292-5863 |

C15 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 1W-3636 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| PET1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 189-0202 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| RKS1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| RLA1-UP | | | | |
| Air | 1 | 133-2217 | - | - |
| Air | 1 | 136-7353 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| SDP1-UP | | | | |
| Air | 1 | 299-7553 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - ADV | 1 | 276-3641 | - | - |
| Fuel - FWS | 1 | 256-8753 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| SNW1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| STG1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 9Y-3879 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 246-5010 | - | - |
| SWE1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| SWE100-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 170-0061 | - | - |
| T4A1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 9Y-3879 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| TRB1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| X4R1-UP | | | | |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 151-7737 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| X5M1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 151-7737 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| ZKA1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 9Y-3879 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |

Generator Sets

C32

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| B2C1-112 | | | | |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| B2C1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| B2C113-232 | | | | |
| Fuel - FWS | 1 | 457-1527 | - | - |
| B2C233-UP | | | | |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| JAZ1-UP | | | | |
| Air Primary | 1 | 269-7041 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 281-7246 | - | - |
| Filter Element As-Air | 1 | 420-1779 | - | - |
| Filter Element As-Air | 1 | 420-1781 | - | - |
| JPE1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| JSJ1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| K7C1-UP | | | | |
| Air Primary | 1 | 269-7041 | - | - |
| Filter Element As-Air | 1 | 420-1779 | - | - |
| Filter Element As-Air | 1 | 420-1781 | - | - |
| K7C579-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| KNM1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| MED1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| MTH1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| NST1-UP | | | | |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter-Fuel | 2 | 422-7587 | - | 422-7587 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| PRH1-UP(Engine) | | | | |

C32 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RNC1-UP | | | | |
| Air Primary | 1 | 207-6870 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RND1-UP | | | | |
| Air Primary | 1 | 207-6870 | - | - |
| Air Primary | 1 | 269-7041 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RNE1-UP | | | | |
| Air Primary | 1 | 269-7041 | - | - |
| Air Primary | 1 | 207-6870 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RNR1-UP | | | | |
| Air Primary | 1 | 269-7041 | - | - |
| Air Primary | 1 | 207-6870 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RNX1-UP | | | | |
| Air Primary | 1 | 269-7041 | - | - |
| Air Primary | 1 | 207-6870 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RNY1-UP | | | | |
| Air Primary | 1 | 269-7041 | - | - |
| Air Primary | 1 | 207-6870 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RNZ1-UP | | | | |
| Air Primary | 1 | 207-6870 | - | - |
| Air Primary | 1 | 269-7041 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RPM1-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Primary | 1 | 207-6870 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RSD1-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RXB1-UP | | | | |
| Air | 1 | 207-7469 | - | - |
| Air Primary | 1 | 207-6870 | - | - |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |

Generator Sets

C32 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| SDK1-105 | | | | |
| Fuel - FWS | 1 | 457-1527 | - | - |
| SDK1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter-Fuel | 2 | 422-7587 | - | 422-7587 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| SDN1-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| SLT1-UP | | | | |
| Air | 1 | 207-7469 | - | - |
| Air Primary | 1 | 207-6870 | - | - |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| SMP1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| SXC1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Panel | 1 | 128-1112 | - | - |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| SYC1-UP(Engine) | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| T3T1-UP | | | | |
| Air Primary | 1 | 207-6870 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| TLD1-110 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| TLD1-UP | | | | |
| Air Primary | 1 | 207-6870 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 2 | 189-0202 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

C32 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| WDR1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 227-7448 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| XMJ1-UP | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

C175-16

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3A91-UP | | | | |
| Air Primary | 1 | 269-7041 | - | - |
| Air Secondary | 1 | 281-7246 | - | - |
| Engine Oil | 3 | 368-0066 | - | - |
| Filter-Fuel | 3 | 422-7587 | - | 422-7587 |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel - FWS ADV | 3 | 438-5385 | 438-5385 | 438-5386 |
| A7B1-UP | | | | |
| Engine Oil | 1 | 295-4343 | - | - |
| KWT1-UP | | | | |
| Air Primary | 1 | 269-7041 | - | - |
| Air Secondary | 1 | 281-7246 | - | - |
| Engine Oil | 3 | 368-0066 | - | - |
| Filter-Fuel | 3 | 422-7587 | - | 422-7587 |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel - FWS ADV | 3 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| M6A1-UP | | | | |
| Air Primary | 1 | 280-4180 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 208-9066 | - | - |
| Engine Oil | 3 | 249-2340 | - | - |
| Filter Element-Fuel | 8 | 370-2147 | - | - |
| Filter Element-Fuel | 2 | 370-2176 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| M6B1-UP | | | | |
| Air Primary | 1 | 280-4180 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Engine Oil | 3 | 249-2340 | - | - |
| Filter Element-Fuel | 2 | 370-2176 | - | - |
| Filter Element-Fuel | 8 | 370-2147 | - | - |
| P5P1-UP | | | | |
| Air Primary | 1 | 280-4180 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Engine Oil | 3 | 249-2340 | - | - |
| Filter Element-Fuel | 8 | 370-2147 | - | - |
| P6L1-117 | | | | |
| Filter Element-Fuel | 2 | 370-2176 | - | - |

Generator Sets

C175-16 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------|----------|-------------|----------|-----------------------|
| P6L1-UP | | | | |
| Air Primary | 1 | 280-4180 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Engine Oil | 3 | 249-2340 | - | - |
| Engine Oil | 1 | 295-4343 | - | - |
| Fuel - ADV | 4 | 1R-0766 | 1R-0766 | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS ADV | 3 | 438-5385 | 438-5385 | 438-5386 |
| P6L112-UP | | | | |
| Filter Element-Fuel | 8 | 370-2147 | - | - |
| R1X1-UP | | | | |
| Engine Oil | 3 | 368-0066 | - | - |
| Filter-Fuel | 3 | 422-7587 | - | 422-7587 |
| WYB1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 280-4180 | - | - |
| Air Primary | 1 | 269-7041 | - | - |
| Air Secondary | 1 | 281-7246 | - | - |
| Engine Oil | 3 | 249-2340 | - | - |
| Engine Oil | 1 | 295-4343 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 3 | 368-0066 | - | - |
| Filter-Fuel | 3 | 422-7587 | - | 422-7587 |
| Fuel | 1 | 264-7727 | - | - |
| Fuel - ADV | 4 | 1R-0766 | 1R-0766 | - |
| Fuel - FWS | 1 | 264-7726 | - | - |
| Fuel - FWS ADV | 3 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| WYC1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 269-7041 | - | - |
| Air Secondary | 1 | 281-7246 | - | - |
| Engine Oil | 3 | 368-0066 | - | - |
| Filter | 1 | 382-9033 | - | - |
| Filter-Fuel | 3 | 422-7587 | - | 422-7587 |
| Fuel - FWS ADV | 3 | 438-5385 | 438-5385 | 438-5386 |
| Y3A1-UP | | | | |
| Air Primary | 1 | 269-7041 | - | - |
| Air Secondary | 1 | 281-7246 | - | - |

C175-20

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| A7E1-UP | | | | |
| Engine Oil | 1 | 295-4343 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| BXR1-UP | | | | |
| Air Primary | 1 | 269-7041 | - | - |
| Air Primary | 1 | 280-4180 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 295-4343 | - | - |
| Engine Oil | 3 | 368-0066 | - | - |
| Filter-Fuel | 3 | 422-7587 | - | 422-7587 |
| Fuel - FWS ADV | 3 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

G3306

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 07Y1-1833 | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 07Y1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary | 1 | 1C-6398 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4719 | - | - |
| 07Y1834-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 3CF1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Engine Oil | 1 | 2Y-8097 | - | - |
| Engine Oil | 1 | 2P-4004 | - | - |
| 4DL1-38 | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| CNR1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4P-4719 | - | - |
| CTT1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| D4X1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2500 | - | - |
| G6X1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4P-4719 | - | - |
| Gas | 1 | 322-4981 | - | - |
| H6D1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| HCC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| JCA1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4P-4719 | - | - |
| Gas | 1 | 322-4981 | - | - |

Generator Sets

G3406

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1RK1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 14 | 4P-3631 | - | - |
| Fuel | 1 | 4P-4719 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Gas | 1 | 322-4981 | - | - |
| Hydraulic | 1 | 108-7980 | - | - |
| 1RK72-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 4FD1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 14 | 4P-3631 | - | - |
| Fuel | 1 | 4P-4719 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4981 | - | - |
| Hydraulic | 1 | 108-7980 | - | - |
| 4FD1483-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5NW1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Hydraulic | 1 | 108-7980 | - | - |
| CRE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| CTS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| KAR1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| KAR127-UP | | | | |
| Gas | 1 | 322-4984 | - | - |
| R7E1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |

G3406 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Gas | 1 | 322-4984 | - | - |

G3408C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3WR1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 6FW1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 148-6400 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 14 | 4P-3631 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 148-6399 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Hydraulic | 1 | 108-7980 | - | - |
| 8YR1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| BAZ1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Gas | 1 | 322-4984 | - | - |

G3412

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3NK1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 1N-4864 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |

Generator Sets

G3412 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 7DB1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 1N-4864 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Engine Oil | 1 | 4N-2759 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4P-4719 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 1 | 322-4981 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CRF1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| CTP1-UP(Engine) | | | | |
| Engine Oil | 1 | 4N-2759 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| GNA1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| J1E1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| KAP1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 1 | 322-4985 | - | - |
| R7A1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 1 | 322-4981 | - | - |

G3412C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 5KR1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 4N-2759 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4P-4719 | - | - |
| 6ZM1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 4N-2759 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4P-4719 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Gas | 1 | 322-4981 | - | - |
| Gas | 1 | 322-4985 | - | - |
| 8LW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 4N-2759 | - | - |
| Engine Oil | 1 | 148-6399 | - | - |
| Engine Oil | 1 | 148-6400 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 9RR1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |

G3412C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 4N-2759 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

G3512E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------|----------|-------------|----------|-----------------------|
| GFL1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air Primary | 1 | 280-4180 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Filter Element-Fuel | 1 | 424-1152 | - | - |
| Filter Element-Fuel | 1 | 424-1157 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| GFM1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air Primary | 1 | 280-4180 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Filter Element-Fuel | 1 | 424-1157 | - | - |
| Filter Element-Fuel | 1 | 424-1152 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 3 | 316-0680 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------|----------|-------------|----------|-----------------------|
| NGS1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air Primary | 1 | 280-4180 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Filter Element-Fuel | 1 | 424-1152 | - | - |
| Filter Element-Fuel | 1 | 424-1157 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| SSR1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Filter Element-Fuel | 1 | 424-1152 | - | - |
| Filter Element-Fuel | 1 | 424-1157 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 3 | 316-0680 | - | - |

G3516

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Generator Sets

G3516 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3RC1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Engine Oil | 1 | 119-2104 | - | - |
| Engine Oil | 21 | 4P-3631 | - | - |
| Fuel | 1 | 4P-4721 | - | - |
| Fuel | 1 | 4P-4719 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 3RC146-UP | | | | |
| Air | 1 | 2W-4246 | - | - |
| 4EK1-UP | | | | |
| Air | 1 | 2W-4246 | - | - |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 280-4180 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 5PN1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 8LD1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 7W-5313 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 21 | 4P-3631 | - | - |
| Engine Oil | 1 | 119-2104 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 8PW1-335 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 8PW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 148-6399 | - | - |
| Engine Oil | 1 | 148-6400 | - | - |
| 8PW336-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CPG1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 119-2104 | - | - |
| Engine Oil | 21 | 4P-3631 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CSZ1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |

G3516 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTL1-UP(Engine) | | | | |
| Air | 1 | 2W-4246 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| E621-UP | | | | |
| Air - Panel | 1 | 128-1113 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 3 | 316-0680 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| E6N1-UP | | | | |
| Air | 1 | 2W-4246 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| E6R1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 21 | 4P-3631 | - | - |
| Engine Oil | 1 | 119-2104 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| E6W1-UP | | | | |
| Air | 1 | 2W-4246 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| E6Y1-UP | | | | |
| Air | 1 | 2W-4246 | - | - |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| E6Z1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 3 | 316-0680 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| L6A1-UP | | | | |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| L6E1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| L6F1-UP | | | | |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 119-2104 | - | - |
| Engine Oil | 21 | 4P-3631 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| L6G1-UP | | | | |
| Air | 1 | 2W-4246 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| L6K1-UP(Engine) | | | | |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| L6L1-UP(Engine) | | | | |
| Air | 1 | 2W-4246 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |

Generator Sets

G3516 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| L6M1-UP(Engine) | | | | |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| L6N1-UP(Engine) | | | | |
| Air | 1 | 2W-4246 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| N6A1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 21 | 4P-3631 | - | - |
| Engine Oil | 1 | 119-2104 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| N6B1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 1 | 322-4985 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| N6C1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| WPS1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 119-2104 | - | - |
| Engine Oil | 21 | 4P-3631 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| WPT1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| WPW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZAZ1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 119-2104 | - | - |
| Engine Oil | 21 | 4P-3631 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZBA1-UP | | | | |
| Air | 1 | 2W-4246 | - | - |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

Generator Sets

G3516B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 7EZ1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Engine Oil | 1 | 155-4843 | - | - |
| Fuel | 1 | 195-3879 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 7EZ261-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CEY1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 155-4843 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CME1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 113-1578 | - | - |
| Fuel | 1 | 154-9385 | - | - |
| Fuel | 1 | 195-3879 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| CSC1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Engine Oil | 1 | 155-4843 | - | - |
| Fuel | 1 | 195-3879 | - | - |
| Fuel | 1 | 154-9385 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTW1-UP(Engine) | | | | |
| Engine Oil | 1 | 155-4843 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| JEF1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| L6H1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Engine Oil | 1 | 155-4843 | - | - |
| Fuel | 1 | 195-3879 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| L6J1-UP | | | | |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| L6R1-UP(Engine) | | | | |
| Engine Oil | 1 | 155-4843 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| L6S1-UP(Engine) | | | | |
| Engine Oil | 1 | 155-4843 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| N6E1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Gas | 1 | 322-4985 | - | - |

Generator Sets

G3516B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| ZBB1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Engine Oil | 1 | 155-4843 | - | - |
| Fuel | 1 | 195-3879 | - | - |
| Fuel | 1 | 154-9385 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZBC1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 155-4843 | - | - |
| Fuel | 1 | 195-3879 | - | - |
| Fuel | 1 | 154-9385 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

G3516C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| F6D1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| F6E1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| F6F1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| GSB1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| GZC1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |

G3516C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| GZZ1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| TJB1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |
| TJC1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |

G3516E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| F6G1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| GAS1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| SLY1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |

G3520

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 5XW1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |

Generator Sets

G3520 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 155-4843 | - | - |
| Fuel | 1 | 4P-2222 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

G3520B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| BGW1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Engine Oil | 1 | 155-4843 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTK1-UP(Engine) | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Engine Oil | 1 | 155-4843 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CWD1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel | 1 | 154-9385 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| GET1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Fuel | 1 | 154-9385 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| GLF1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 280-4180 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| GZP1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Engine Oil | 1 | 155-4843 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Fuel | 1 | 154-9385 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

G3520C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

G3520C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| B9P1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |
| CWW1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 154-9385 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| CWY1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 154-9385 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| FZA1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 2W-4246 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| FZB1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| FZC1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| FZD1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 2W-4246 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| FZE1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| FZF1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| FZG1-UP | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 1 | 322-4985 | - | - |
| FZG1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| GZA1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |
| Fuel | 1 | 154-9385 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| GZB1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 154-9385 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4984 | - | - |
| GZJ1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 2W-4246 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| GZK1-UP | | | | |
| Air | 1 | 2W-4246 | - | - |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| GZL1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |

Generator Sets

G3520C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| GZM1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 154-9385 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| GZN1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 154-9385 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| HAT1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 2W-4246 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| HEA1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| HEB1-UP | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| LGS1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 2W-4246 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| MAD1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 2W-4246 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| RLP1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 4 | 128-3919 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 8 | 316-0680 | - | - |

G3520E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| FZJ1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Gas | 1 | 322-4985 | - | - |
| Gas | 3 | 316-0680 | - | - |
| GZE1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 4 | 128-3919 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------|----------|-------------|----------|-----------------------|
| Filter Element-Fuel | 1 | 390-8986 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| GZG1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4984 | - | - |
| GZH1-UP | | | | |

G3520E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 105-9742 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 1 | 322-4984 | - | - |
| HAL1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |
| SXY1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4720 | - | - |

G3524

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 5ZZ1-235(Engine) | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| 5ZZ1-UP(Engine) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 7SZ1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| CTM331-UP(Engine) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

G3532

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 8BZ1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| 8JZ1-171(Engine) | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 8JZ1-UP(Engine) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

Generator Sets

PM3456

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 3PG1000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| B3G1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| B3G150-UP | | | | |
| Air Secondary | 1 | 189-0202 | - | - |

UPS 250

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| APZ1-UP | | | | |
| Air | 1 | 180-6264 | - | - |
| Air | 1 | 180-6265 | - | - |
| BEE1-UP | | | | |
| Air | 1 | 180-6264 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air | 1 | 180-6265 | - | - |
| CNM1-UP | | | | |
| Air | 1 | 180-6264 | - | - |
| Air | 1 | 180-6265 | - | - |

UPS 300

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CNJ1-UP | | | | |
| Air | 1 | 180-6264 | - | - |
| Air | 1 | 180-6265 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CPZ1-UP | | | | |
| Air | 1 | 180-6264 | - | - |
| Air | 1 | 180-6265 | - | - |

UPS 301

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CSY1-UP | | | | |
| Air | 1 | 180-6265 | - | - |
| Air | 1 | 180-6264 | - | - |

UPS 500

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CSE1-UP | | | | |
| Air | 1 | 180-6265 | - | - |
| Air | 1 | 180-6264 | - | - |

UPS 600

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CTX1-UP | | | | |
| Air | 1 | 180-6265 | - | - |
| Air | 1 | 180-6264 | - | - |

UPS 750

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Generator Sets

UPS 750 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CPM1-UP | | | | |
| Air | 1 | 180-6265 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Air | 1 | 180-6264 | - | - |

UPS 900

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CRY1-UP | | | | |
| Air | 1 | 180-6265 | - | - |
| Air | 1 | 180-6264 | - | - |

3114

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 1ZG1-432 | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1ZG1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 4KR1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 5EF1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Engine Oil | 1 | 7C-0896 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5EF1090-UP | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 5JG1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |

3114 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5YL1-UP | | | | |
| Air | 1 | 107-7311 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6AF1-UP | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

3304

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 02B1-UP | | | | |
| Fuel - FWS | 1 | 6N-7617 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 02B13423-17188 | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 02B15964-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 02B17173-17526 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 02B17527-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 02B4364-UP | | | | |
| Air Primary | 1 | 1C-6392 | - | - |
| 02B9537-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 02B9600-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 04B1-UP | | | | |
| Fuel - FWS | 1 | 6N-7617 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 04B14449-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 04B14500-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 04B1719-UP | | | | |
| Air Primary | 1 | 1C-6392 | - | - |
| 04B26769-26840 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 04B26841-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 04B7794-27366 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |

Generator Sets

3304 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 04B7794-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 4M-9334 | - | - |
| 05B1-UP | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 6N-7617 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 05B2057-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 05B2491-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 10E1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10E1770-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 10E300-1769 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 10E300-814 | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 10E300-UP | | | | |
| Air Primary | 1 | 4M-9334 | - | - |
| Air Primary | 1 | 1C-6392 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 5R-2167 | - | - |
| Engine Oil | 2 | 5R-3178 | - | - |
| Fuel | 1 | 1W-9532 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 13E300-634 | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 13E300-UP | | | | |
| Air Primary | 1 | 1C-6392 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 13E635-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 3TC1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 4PC1-UP | | | | |
| Air | 1 | 4M-8047 | - | - |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel | 1 | 2Y-8670 | - | - |
| 4XB1-UP | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| Air Secondary - Axial Seal | 1 | 1C-6397 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 6YB1-287 | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6YB1-UP | | | | |

3304 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 4M-8047 | - | - |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 6YB288-UP | | | | |
| Fuel | 1 | 2Y-8670 | - | - |
| 83Z1-1830 | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 83Z1-3374 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 83Z1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary | 1 | 1C-6392 | - | - |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 83Z1831-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

3304B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 1BZ1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1NS1-UP | | | | |
| Air Primary | 1 | 1C-6392 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1PS1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 1C-6392 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| 1YF1-166 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel | 1 | 2Y-8670 | - | - |
| 1YF1-UP | | | | |
| Air | 1 | 4M-8047 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 8XL1-UP | | | | |
| Air Primary | 1 | 1C-6392 | - | - |

Generator Sets

3304B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| 9HK1-1009 | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 9HK1-434 | | | | |
| Fuel | 1 | 3R-2251 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| 9HK1-86 | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 9HK1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary | 1 | 7W-5389 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 9HK435-1009 | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 9HK435-UP | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |
| 9HK87-1009 | | | | |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| DED1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |

3306

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 23C1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 6N-7617 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 23C1266-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 23C1332-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 23C1519-1615 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 23C1991-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 23C740-UP | | | | |
| Air Primary | 1 | 1C-6392 | - | - |
| 2ZC1-UP | | | | |
| Fuel | 1 | 2Y-8670 | - | - |
| 5JC1-UP | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 1C-6397 | - | - |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 64Z1-33504 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| 64Z1-UP | | | | |

3306 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary | 1 | 4M-9334 | - | - |
| Air Primary | 1 | 1C-6403 | - | - |
| Air Primary | 1 | 1C-6392 | - | - |
| Air Primary | 1 | 1C-6398 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| Air Secondary | 1 | 6I-2504 | - | - |
| Air Secondary - Axial Seal | 1 | 1C-6397 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 64Z2477-5078 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 64Z35754-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 64Z5381-UP | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 66D1-UP | | | | |
| Fuel - FWS | 1 | 6N-7617 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 66D26832-UP | | | | |
| Air Primary | 1 | 1C-6403 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 66D27000-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 66D32137-49917 | | | | |
| Fuel | 1 | 1W-8633 | - | - |
| 66D322-UP | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| 66D37708-49970 | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 66D49959-50013 | | | | |
| Fuel | 1 | 1W-8633 | - | - |
| 66D49992-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 66D8891-UP | | | | |
| Air Primary | 1 | 1C-6398 | - | - |
| Air Primary | 1 | 4M-9334 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Engine Oil | 1 | 2P-4004 | - | - |
| 67D1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 6N-7617 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 67D1103-UP | | | | |
| Air Primary | 1 | 1C-6398 | - | - |
| 67D2422-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 68D1-UP | | | | |
| Air Primary | 1 | 1C-6398 | - | - |
| 76R1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 4M-9334 | - | - |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 6N-7617 | - | - |

Generator Sets

3306 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 76R2779-6985 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 76R5811-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 76R6161-6299 | | | | |
| Fuel | 1 | 1W-8633 | - | - |
| 7HB1-275 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 7HB1-UP | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 84Z1-UP | | | | |
| Air Primary | 1 | 1C-6398 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 85Z1-UP | | | | |
| Air Primary | 1 | 1C-6398 | - | - |
| Air Primary | 1 | 1C-6392 | - | - |
| Air Primary | 1 | 1C-6403 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary | 1 | 1C-6397 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3306B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 1BM1-UP | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 1CZ1-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1DG1-UP | | | | |

3306B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1RS1-UP | | | | |
| Air Primary | 1 | 1C-6398 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2AJ1-UP | | | | |
| Air Primary | 1 | 1C-6398 | - | - |
| Air Primary | 1 | 7C-1570 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2TM1-UP | | | | |
| Air Primary | 1 | 7C-1570 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3RG1-311 | | | | |
| Fuel | 1 | 2Y-8670 | - | - |
| 5GZ1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5KD1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5KD2352-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 5KD472-UP | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 63Z1-UP | | | | |
| Air Primary | 1 | 4M-9334 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 63Z11913-17864 | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 63Z19290-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 63Z2650-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 63Z4261-6575 | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 63Z9435-9594 | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 7JB1-UP | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 1C-6397 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |

Generator Sets

3306B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7JB1891-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 8JJ1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 3R-2251 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| 8JJ104-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8JJ456-1030 | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 8JJ456-UP | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |
| 8NS1-UP | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 9DS1-879 | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9DS1-UP | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 9NR1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary | 1 | 1C-6392 | - | - |
| Air Primary | 1 | 1C-6398 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 7C-1570 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9SL1-UP | | | | |
| Air Primary | 1 | 1C-6398 | - | - |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| B8D1-UP | | | | |
| Air Primary | 1 | 7C-1570 | - | - |
| Air Primary | 1 | 1C-6398 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| EFA1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| EPS1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

3306B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| KAC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| LRW1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

3406B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 2EK1-581 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 2EK1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3ZJ1-3554 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 3ZJ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3ZJ60113-61781 | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| 4CK1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4JK1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4JK39-UP | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| 4MG1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4MG83945-91815 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 4TB1-UP | | | | |
| Air | 1 | 133-2217 | - | - |

Generator Sets

3406B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 101-1626 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 7C-1571 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 3R-2251 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9G-6420 | - | - |
| 5KJ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5YG1-779 | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5YG1-783 | | | | |
| Fuel | 1 | 4N-1981 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 5YG1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 5YG401-648 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 7FB1-13434 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 7FB1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8TC1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8TC13517-14374 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 9PL1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3412C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 1EZ1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 38S1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |

3412C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 6N-6064 | - | - |
| Air Primary | 1 | 6N-6071 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 7N-1308 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 6N-6072 | - | - |
| Air Secondary | 1 | 6N-6065 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 38S13549-UP | | | | |
| Air Primary | 1 | 7C-1572 | - | - |
| 38S16484-UP | | | | |
| Air | 1 | 133-2217 | - | - |
| Air Primary | 1 | 6I-0384 | - | - |
| 38S4400-UP | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 3FZ1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3JK1-1620 | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 3JK1-UP | | | | |
| Air | 1 | 133-2217 | - | - |
| Air Primary | 1 | 6I-0384 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3JK421-1620 | | | | |
| Engine Oil | 1 | 4N-2759 | - | - |
| 4121-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5FL1-UP | | | | |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 1 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 1 | 4P-7384 | - | - |
| 60M1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 1 | 4N-2759 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 81Z1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 7N-1308 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |

Generator Sets

3412C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 1 | 4P-7384 | - | - |
| Fuel Primary | 1 | 4P-7384 | - | 4P-7384 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8AR1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9BR1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9EP1-UP | | | | |
| Air | 1 | 151-7738 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 189-0202 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 2 | 142-1404 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BAK1-UP | | | | |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BAX1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BCW1-UP | | | | |
| Air | 1 | 151-7738 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 2 | 142-1404 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

3412C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BLG1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BPG1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| DJN1-UP | | | | |
| Air | 1 | 151-7738 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 2 | 142-1404 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| LRY1-UP | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 2 | 142-1404 | - | - |
| PTL1-UP | | | | |
| Air | 2 | 6I-4886 | - | - |
| Air | 1 | 6I-4884 | - | - |
| Air | 2 | 6I-4887 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| RLR1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| RTY1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 2 | 142-1404 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| TFT1-UP | | | | |
| Air | 1 | 151-7738 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 2 | 142-1404 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

Generator Sets

3508

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1JZ1-173(Engine) | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 1JZ1-UP(Engine) | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 1ZF1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Primary | 1 | 9Y-3879 | - | - |
| Air Primary | 1 | 251-5885 | - | 292-5862 |
| Air Secondary | 1 | 9Y-7663 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1ZF464-UP | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 23Z1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 1 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 1 | 4P-7384 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| 23Z1023-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 23Z1333-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 7C-1572 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 23Z2321-7722 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 23Z511-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 23Z7723-UP | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 3HM1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 3LS1-227 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 3LS1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3LS228-UP | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 3PS1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 3PS170-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 3TS1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |

3508 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 3TS417-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 5PW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 152-8845 | - | - |
| Fuel - FWS | 1 | 152-8843 | - | - |
| 5XM1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 5XM24-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 68Z1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 68Z677-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 68Z694-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 69Z1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 69Z273-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 69Z275-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 6TJ1-13 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 6TJ1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 70Z1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 70Z560-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 70Z588-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 8TL1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 95Y1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 95Y619-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |

Generator Sets

3508 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 95Y644-1456 | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 96Y1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 96Y619-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 96Y683-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 97Y1-UP | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel | 1 | 8N-3080 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 97Y733-UP | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 9WN1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CAW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CNE1-UP | | | | |
| Fuel Primary | 2 | 134-6307 | - | - |
| CNF1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTF1-UP(Engine) | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| LD21-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| LDP1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| LDW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| PTK1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |

3508 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZAB1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

3508B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1FZ1-265(Engine) | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 1FZ1-UP(Engine) | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 1TW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 2 | 113-1578 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 2BM1-187 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 2BM1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 2 | 113-1578 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 2BM188-UP | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| 2HW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 2HW121-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 3DM1-UP | | | | |
| Air Primary | 2 | 113-1578 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

Generator Sets

3508B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 3DW1-151 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 3DW1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 2 | 113-1578 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 4GM1-612 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 4GM1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - Ethanol | 1 | 121-9868 | 1R-0751 | 364-5287 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4GM613-UP | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 5KW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 152-8845 | - | - |
| Fuel - FWS | 1 | 152-8843 | - | - |
| 5PS1-216 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 5PS1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 2 | 134-6307 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 5PS216-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 6PN1-471 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 6PN1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - Ethanol | 1 | 121-9868 | 1R-0751 | 364-5287 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 7AF1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 7SM1-UP | | | | |
| Air Primary | 2 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| BAG1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| BGX1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| BPX1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |

Generator Sets

3508B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 8N-2556 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| C8R1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CBB1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CNB1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTC1-UP(Engine) | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTC258-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| DPN1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| EGB1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| GS71-UP | | | | |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| LD31-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| LD71-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| LDZ1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| LPD1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 239-8031 | - | - |
| Engine Oil | 1 | 240-9913 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| Lube | 0 | 134-5207 | - | - |
| M8A1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PTJ1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |

Generator Sets

3508B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PTN1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| RR81-UP | | | | |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| S2A1-UP | | | | |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2B1-UP | | | | |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| S2D1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2E1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2F1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2F102-UP | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| ZAD1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

3512

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1KZ1-234(Engine) | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |

3512 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 1KZ1-UP(Engine) | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 1LM1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 24Z1-10113 | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 24Z1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel Primary | 1 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 1 | 4P-7384 | - | - |
| 24Z1317-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 24Z1634-UP | | | | |
| Air Primary | 1 | 7C-1571 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 24Z1967-9745 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 24Z778-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 24Z9746-UP | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| 2WK1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 2WK72-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 3MS1-231 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 3MS1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3MS232-UP | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| 3RS1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 3RS313-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 3WS1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 3WS333-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 3YF1-UP | | | | |
| Air Primary | 1 | 251-5885 | - | 292-5862 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Primary | 1 | 9Y-3879 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 9Y-7663 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 49Y1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |

Generator Sets

3512 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| 49Y423-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 49Y486-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 50Y1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 50Y524-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 51Y1-UP | | | | |
| Fuel | 2 | 8N-3080 | - | - |
| 51Y475-UP | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 51Y518-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 51Y541-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| 51Y685-727 | | | | |
| Engine Oil | 3 | 1R-0716 | 1R-1808 | 244-4484 |
| 51Y838-UP | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| 65Z1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| 65Z591-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 65Z602-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 66Z1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 66Z154-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 67Z1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 67Z498-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 67Z535-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 6PM1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 6PM36-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 6WW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |

Generator Sets

3512 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 152-8845 | - | - |
| Fuel - FWS | 1 | 152-8843 | - | - |
| CMJ1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CPK1-UP | | | | |
| Fuel Primary | 2 | 134-6307 | - | - |
| CTE1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| FDR1-UP | | | | |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| JM21-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| LDB1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| LDC1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| LN21-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| LN31-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| PTG1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PTH1-UP | | | | |
| Air | 1 | 4P-8768 | - | - |
| Air | 2 | 4P-9478 | - | - |
| Air | 2 | 4P-9479 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |

Generator Sets

3512 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAF1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAK1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAX1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| YBA1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZAE1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

3512B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1GZ1-250(Engine) | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 1GZ1-UP(Engine) | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 1PW1-352 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 1PW1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 2 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 1PW353-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 2AF1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Primary | 2 | 134-6307 | - | - |

Generator Sets

3512B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2EZ1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 2 | 113-1578 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 2GW1-224 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 2GW1-UP | | | | |
| Air Primary | 2 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 2RD1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 3ZW1-122 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 3ZW1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| 3ZW123-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 4AW1-315 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 4AW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 4DR1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| Lube | 1 | 134-5207 | - | - |
| 4TN1-UP | | | | |
| Air Primary | 2 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 5AW1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 6GW1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel | 1 | 152-8845 | - | - |
| Fuel - FWS | 1 | 152-8843 | - | - |
| 6WN1-614 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 6WN1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |

Generator Sets

3512B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 4P-0711 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - Ethanol | 1 | 121-9868 | 1R-0751 | 364-5287 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6WN615-UP | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| 7HM1-UP | | | | |
| Air Primary | 2 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 7HM270-UP | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| 8DF1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 8EM1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 2 | 113-1578 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 8RM1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - Ethanol | 1 | 121-9868 | 1R-0751 | 364-5287 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| AAG1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| BLF1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| BRC1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| BRK1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

3512B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| BRN1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 2 | 113-1578 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CMC1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTB1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTH1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ED81-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| EGC1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| FDE1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 152-8845 | - | - |
| Fuel - FWS | 1 | 152-8843 | - | - |
| FFG1-17 | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| FFG1-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| FFG18-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| FFR1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| JM31-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| JM41-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| LDE1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| LDF1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| NSC1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |

Generator Sets

3512B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PTE1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| PTF1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PTM1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PWG1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2G1-UP | | | | |
| Air - Panel | 1 | 128-1113 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2H1-UP | | | | |
| Air - Panel | 1 | 128-1113 | - | - |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2J1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2K1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2L1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2M1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2M106-UP | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| S2N1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |

3512B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| T2L1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| WF21-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 4P-0711 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| YAH1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAJ1-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAM1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAN1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAY1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| YAZ1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| YAZ2-UP | | | | |
| Air Secondary | 1 | 4P-0711 | - | - |
| YBB1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YBC1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZAH1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZAJ1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |

Generator Sets

3512B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 2 | 134-6307 | - | - | Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

3512C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|-----------------------|----------|-------------|----------|-----------------------|
| DPB1-UP | | | | | ED41-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - | Air - Panel | 1 | 128-1112 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - | Air Primary | 1 | 4P-0710 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 | Air Primary | 1 | 8N-6309 | - | 185-8786 |
| DPC1-UP | | | | | Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Air Primary | 1 | 226-2779 | - | - | Fuel Primary | 2 | 134-6307 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - | Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 | F2X1-UP | | | | |
| E3W1-UP | | | | | Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 226-2779 | - | - | Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - | Air Primary | 1 | 4P-0710 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - | Air Secondary | 1 | 4P-0711 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 | Air Secondary | 1 | 8N-2556 | - | - |
| E3X1-UP | | | | | Air Secondary | 1 | 113-1579 | - | - |
| Air Primary | 1 | 226-2779 | - | - | Fuel | 1 | 7W-9741 | - | - |
| Fuel | 1 | 7W-9741 | - | - | Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - | Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 | Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| E3Y1-UP | | | | | GDM1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - | Air - Panel | 1 | 128-1112 | - | - |
| Fuel | 1 | 7W-9741 | - | - | Air Primary | 1 | 208-9065 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - | Air Primary | 1 | 226-2779 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 | Fuel | 1 | 7W-9741 | - | - |
| EBG1-UP(Engine) | | | | | Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel | 1 | 7W-9741 | - | - | Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - | | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 | | | | | |

Generator Sets

3512C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| LDJ1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| LDK1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| LLD1-UP(Engine) | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| LLK1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| LLT1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| LLY1-UP(Engine) | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| LN51-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| MKH1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| MLM1-UP | | | | |
| Engine Oil - ADV | 1 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| MRG1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| MXN1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| MXP1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| NJT1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |

Generator Sets

3512C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PXC1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PXE1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PXF1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PXG1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PXW1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PXX1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| R1T1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Primary | 2 | 134-6307 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| R3A1-UP | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| RMS1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| RR61-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| SBG1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| SCC1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| SK31-UP | | | | |
| Air Primary UHE | 1 | 419-9162 | - | 419-9162 |
| Air Secondary | 1 | 267-3005 | - | - |
| SK51-UP | | | | |
| Air Primary UHE | 1 | 419-9162 | - | 419-9162 |
| Air Secondary | 1 | 267-3005 | - | - |
| SLM1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 226-2779 | - | - |

3512C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 208-9065 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| SRL1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| T3P1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| T3R1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| T3S1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| T3W1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| T3Y1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TKP1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TTC1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TTE1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TTF1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TTG1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TTW1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TTX1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| WF31-UP | | | | |
| Air Primary | 1 | 269-7041 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 118-8419 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| WF51-UP | | | | |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 246-5010 | - | - |

Generator Sets

3512C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 8N-2556 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| WF61-UP | | | | |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| YBD1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |

3516

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1LZ1-165(Engine) | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 1LZ1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 25Z1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 7C-1572 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 251-5885 | - | 292-5862 |
| Air Secondary | 1 | 9Y-7663 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 1 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 1 | 4P-7384 | - | - |
| 25Z459-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 25Z684-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 25Z6881-UP | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 25Z815-UP | | | | |
| Air Primary | 1 | 7C-1571 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |

Generator Sets

3516 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 27Z1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| 27Z634-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 27Z650-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 28Z1-UP | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel | 2 | 8N-3080 | - | - |
| 28Z616-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 28Z653-UP | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 29Z1-854 | | | | |
| Engine Oil | 1 | 7N-7500 | - | - |
| 29Z1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| 29Z1360-UP | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 29Z752-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 29Z818-1359 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 29Z818-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 3NS1-243 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 3NS1-UP | | | | |
| Air Primary | 1 | 251-5885 | - | 292-5862 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 9Y-7663 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3NS244-UP | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 3SS1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 3SS298-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 3XS1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 3XS404-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 4MJ1-177 | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 4MJ1-51 | | | | |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| 4MJ1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

Generator Sets

3516 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 4MJ52-177 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 4XF1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Primary | 1 | 251-5885 | - | 292-5862 |
| Air Primary | 1 | 9Y-3879 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 9Y-7663 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5SJ1-UP | | | | |
| Air Primary | 1 | 251-5885 | - | 292-5862 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 9Y-7663 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 1 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 1 | 4P-7384 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 71Z1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 71Z242-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 72Z1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 72Z339-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 73Z1-885 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 73Z1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 7N-7500 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 73Z174-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 7KM1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 7KM37-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 8TW1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel | 1 | 152-8845 | - | - |
| Fuel - FWS | 1 | 152-8843 | - | - |
| 9KF1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |

Generator Sets

3516 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 9KF104-UP | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| CAL1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CMD1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTD1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| DD21-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| DDH1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| GZR1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| GZX1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| JCG1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| JCW1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| LMC1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |

Generator Sets

3516 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| PTD1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| RKT1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAL1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAS1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YBS1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZAK1-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZAL1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZBL1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

3516B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Generator Sets

3516B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 1HZ1-194(Engine) | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 1HZ1-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 1HZ2896-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 1NW1-116 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 1NW1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 1NW117-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 2FW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 2 | 113-1578 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 2JW1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 2TD1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 3CW1-231 | | | | |
| Engine Oil | 1 | 4P-2839 | - | - |
| 3CW1-UP | | | | |
| Air Primary | 2 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 4BW1-UP | | | | |
| Air Primary | 2 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 6HN1-929 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 6HN1-UP | | | | |
| Air | 1 | 311-6687 | - | - |
| Air | 1 | 311-6689 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - Ethanol | 1 | 121-9868 | 1R-0751 | 364-5287 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 6HN930-UP | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 6HZ1-UP | | | | |

Generator Sets

3516B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 7RN1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - Ethanol | 1 | 121-9868 | 1R-0751 | 364-5287 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 1 | 4P-7384 | - | - |
| Fuel Primary | 1 | 4P-7384 | - | 4P-7384 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 7RN2113-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 8CN1-175 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 8CN1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 8CN176-UP | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 8KN1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 2 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 8NW1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel | 1 | 152-8845 | - | - |
| Fuel - FWS | 1 | 152-8843 | - | - |
| 9AN1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 9WF1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| B5G1-UP | | | | |

3516B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 208-9065 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| BCK1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| BMB1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| BPJ1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CAN1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Primary | 2 | 134-6307 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| CBN1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CDE1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CPA1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTA1-UP(Engine) | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTA155-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| CTG1-UP(Engine) | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTG326-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| CTJ1-UP(Engine) | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| CTJ200-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| DD31-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |

Generator Sets

3516B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| DD41-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| DD91-UP(Engine) | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| DDJ1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| DDL1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| DDM1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| DGP1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Gas | 3 | 316-0680 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| EDC1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| EDG1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| EDH1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| EDJ1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| EDP1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| EGD1-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| FDN1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| FDX1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel | 1 | 152-8845 | - | - |
| Fuel - FWS | 1 | 152-8843 | - | - |

3516B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| FFM1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| GAR1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| GD31-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| GSA1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| GZS1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| GZT1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| 8N-6309 | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| 8N-2556 | | | | |
| Air Secondary | 1 | 8N-2556 | - | - |
| 4P-0711 | | | | |
| Air Secondary | 1 | 4P-0711 | - | - |
| 7W-9741 | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 1R-0756 | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 134-6307 | | | | |
| Fuel Primary | 2 | 134-6307 | - | - |
| 276-5403 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 8N-6309 | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| 8N-2556 | | | | |
| Air Secondary | 1 | 8N-2556 | - | - |
| 7W-9741 | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| 1R-0756 | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 134-6307 | | | | |
| Fuel Primary | 2 | 134-6307 | - | - |
| 276-5403 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 128-1112 | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| 208-9065 | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| 1R-0756 | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 1R-0726 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 128-1112 | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| 208-9065 | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| 1R-0756 | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 1R-0726 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| 128-1112 | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| 226-2779 | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| 4P-0710 | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| 208-9065 | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| 113-1578 | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| 208-9066 | | | | |
| Air Secondary | 1 | 208-9066 | - | - |
| 4P-0711 | | | | |
| Air Secondary | 1 | 4P-0711 | - | - |
| 113-1579 | | | | |
| Air Secondary | 1 | 113-1579 | - | - |
| 1R-0756 | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| 134-6307 | | | | |
| Fuel Primary | 2 | 134-6307 | - | - |

Generator Sets

3516B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| JDE1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| KNS1-UP | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| LD41-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| LEK1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PBR1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel | 1 | 7W-9741 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PDR1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| PTA1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| PTC1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2P1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2R1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2S1-UP | | | | |

3516B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2T1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2W1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2X1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2Y1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| S2Z1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TAK1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| Lube | 1 | 134-5207 | - | - |
| TRE100-UP | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| YAP1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAR1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAT1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |

Generator Sets

3516B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YAW1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| YBR1-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| YBT1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| YBW1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| ZAM1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZAN1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZAP1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZAR1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| ZBP1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |

3516B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |
| ZBR1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0726 | 276-5403 | 284-9054 |

3606

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 8RB1-UP | | | | |
| Air | 1 | 128-1180 | - | - |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 128-3919 | - | - |
| Air | 1 | 6I-1797 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 1 | 1W-4136 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 4 | 119-8901 | - | - |
| Fuel | 2 | 7E-4480 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel - ADV | 4 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 1 | 4W-5421 | - | - |

Industrial Engines

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2} {3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3} {4} {6} |
| Cat ELI | 12,000 Service Hours or Six Years {2} {3} |
| Cat SCA | 3,000 Service Hours or Three Years {3} {4} {6} |
| {1} Use the interval that occurs first | |
| {2} Add Cat ELC Extender at 6,000 hours or one half of the service life for the ELC | |
| {3} These coolant change intervals are only possible with annual S-O-S Level 2 coolant sampling and analysis | |
| {4} These coolant change intervals are only possible with annual S-O-S Level 2 coolant sampling and analysis and Level 1 sampling every 500 hours. | |
| {5} Not for use with C7-C32 heat exchange cooled marine engines | |
| {6} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Commercial Diesel Engine Fluids Recommendations Guide (SEBU6251) or Caterpillar 3600 and C280 Service Diesel Engine Fluids Recommendation Guide (SEBU7003).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS {1} | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| Cat DEO {2} | SAE 40 | 5 | 50 | 41 | 122 |
| {1} Factory Fill Fluid | | | | | |
| {2} For 3600 Series engines. | | | | | |

Grease

| Cat Recommended Grease | |
|--|---------------------|
| Grease Type | Part Number |
| Cat Ball Bearing Grease | 454-0291, 454-0292* |
| *450g cartridge for Australia and New Zealand only | |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

C0.5

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| C5M1-UP | | | | |
| Engine Oil | 1 | 266-7143 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 288-6571 | - | - |
| Fuel | 1 | 288-6572 | - | - |
| C6F1-UP | | | | |
| Engine Oil | 1 | 266-7143 | - | - |
| Fuel | 1 | 276-1804 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 276-1806 | - | - |
| C6H1-UP | | | | |
| Engine Oil | 1 | 266-7143 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 288-6571 | - | - |
| Fuel | 1 | 288-6572 | - | - |

C0.7

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| C7H1-UP | | | | |
| Engine Oil | 1 | 266-7143 | - | - |
| Fuel | 1 | 288-6571 | - | - |
| Fuel | 1 | 288-6572 | - | - |
| C7J1-UP | | | | |
| Engine Oil | 1 | 266-7143 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Filter-Air | 1 | 365-1631 | - | - |
| Fuel | 1 | 288-6572 | - | - |
| Fuel | 1 | 288-6571 | - | - |
| C7M1-UP | | | | |
| Engine Oil | 1 | 266-7143 | - | - |
| Fuel | 1 | 183-4322 | - | - |

C1.1

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| C3M1-UP | | | | |
| Air | 1 | 246-5011 | - | - |

Industrial Engines

C1.1 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 183-5446 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 296-0888 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| C6L1-UP | | | | |
| Air | 1 | 246-5011 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| C7Y1-UP | | | | |
| Air | 1 | 246-5011 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| G8M1-UP | | | | |
| Air | 1 | 246-5011 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 183-5446 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 296-0888 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| G8N1-UP | | | | |
| Air | 1 | 246-5011 | - | - |
| Air | 1 | 247-1380 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| J7W1-UP | | | | |
| Air | 1 | 247-1380 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |

C1.6

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| C1M1-UP | | | | |
| Engine Oil | 1 | 290-8029 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| C6J1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 220-1523 | - | - |
| C6K1-UP | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |

C18

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

C18 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 1DZ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2GG1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2H21-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BDN1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Secondary | 1 | 1W-3636 | - | - |
| Air Secondary | 1 | 333-1189 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| Oil - ADV | 2 | 249-2347 | - | - |
| BE21-UP | | | | |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 333-1189 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter-Fuel | | | | |
| Filter-Fuel | 2 | 416-1225 | - | 416-1225 |
| Fuel - FWS | | | | |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS UHE | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Fuel Secondary ADV | | | | |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| Oil - ADV | | | | |
| Oil - ADV | 2 | 249-2347 | - | - |
| C1J1-450 | | | | |
| Air Primary | 1 | 6I-0384 | - | - |
| C1J1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| C6C1-UP | | | | |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| CKH1-1833 | | | | |
| Air Primary | 1 | 6I-0384 | - | - |
| CKH1-UP | | | | |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| CYL1-UP | | | | |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| CYN1-311 | | | | |
| Air Primary | 1 | 6I-0384 | - | - |
| CYN1-UP | | | | |

Industrial Engines

C18 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 177-7375 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| DCT1-121 | | | | |
| Engine Oil | 1 | 115-2129 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| DCT1-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| DCT122-UP | | | | |
| Hydraulic | 1 | 166-4647 | - | - |
| DDS1-UP | | | | |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| DES1-UP | | | | |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| DKE1-UP | | | | |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 1W-3636 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| DSE1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| DTP1-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 170-0061 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| EFE1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| EFF1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| EGE1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| EGP1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| EJG1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| EKW1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |

C18 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 189-0202 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| ELL1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| ELM1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| EST1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| EST593-UP(Engine) | | | | |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| FST1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| G4C1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| GBM1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 170-0061 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| GEN1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 177-7375 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| GES1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 177-7375 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| GEX1-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 170-0061 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| GJE1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| GPT1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

Industrial Engines

C18 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| GTB1-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 170-0061 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| J2K1-UP | | | | |
| Air Primary | 1 | 177-7375 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| JDA1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| JHL1-UP | | | | |
| Air Primary | 1 | 177-7375 | - | - |
| Air Primary | 1 | 290-1935 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 170-0061 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| JKX1-UP | | | | |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Oil - ADV | 2 | 249-2347 | - | - |
| JLE1-UP | | | | |
| Air Primary | 1 | 177-7375 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 170-0061 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Oil - ADV | 2 | 249-2347 | - | - |
| KJT1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 177-7375 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| L8D1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Filter | 1 | 394-6208 | - | - |
| LNB1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Filter | 1 | 394-6208 | - | - |
| LXK1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Filter | 1 | 394-6208 | - | - |
| LZB1-UP | | | | |
| Filter | 1 | 394-6208 | - | - |

C18 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| M1P1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 1W-3636 | - | - |
| M1Y1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 1W-3636 | - | - |
| M1Z1-UP | | | | |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| MGS1-UP | | | | |
| Air Primary | 1 | 6I-0384 | - | - |
| Air Primary | 1 | 177-7375 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| MPE1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| N1C1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 246-5010 | - | - |
| N1D1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| N8F1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 333-1189 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| Oil - ADV | 2 | 249-2347 | - | - |
| NAW1-UP | | | | |
| Air Secondary | 1 | 246-5010 | - | - |
| NAX1-UP | | | | |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| NAY1-UP | | | | |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

Industrial Engines

C18 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| NBB1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 1W-3636 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| NKK1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 1W-3636 | - | - |
| NKM1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| P1A1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| P1L1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| P5Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| P6Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| PDH1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| PEE1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 1W-3636 | - | - |
| PEJ1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 1W-3636 | - | - |
| PLE1-UP | | | | |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| PRL1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| PRN1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| STD1-UP | | | | |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| Engine Oil | 1 | 155-4843 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| STH1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| STM1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |

C18 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 2 | 7C-1571 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| T2P1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| T2R1-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 170-0061 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| TNA1-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 170-0061 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| WJB1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 1W-3636 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| WJH1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| WJW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| WJY1-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| WKB1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| WRH1-UP | | | | |

Industrial Engines

C18 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| WRH108-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 1W-3636 | - | - |
| WRH110-UP | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| X6W1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| X6X1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| X7W1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| ZKB1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 1W-3636 | - | - |
| ZPS1-UP | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |

C-9

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| CLJ1-UP | | | | |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

CPT372

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| 1WZ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1WZ408-UP | | | | |
| Air | 1 | 213-4466 | - | - |
| Hydraulic | 1 | 212-9587 | - | - |
| Hydraulic | 1 | 212-4275 | - | - |
| Hydraulic | 2 | 212-4228 | - | - |
| Hydraulic | 1 | 142-9857 | - | - |
| 5DZ1-220 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| CRJ1-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

G3304

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 1RG1-UP | | | | |
| Air | 1 | 4M-8047 | - | - |
| Engine Oil | 1 | 2P-4004 | - | - |
| Engine Oil | 1 | 2Y-8097 | - | - |
| 37Y1-481 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 37Y1-UP | | | | |
| Air Primary | 1 | 102-9387 | - | - |
| Air Primary | 1 | 1C-6398 | - | - |
| Air Primary | 1 | 1C-6392 | - | - |
| Air Primary | 1 | 102-9388 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel | 1 | 4P-4719 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| 37Y1019-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 37Y482-1018 | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| H4D1-UP | | | | |
| Air Primary | 1 | 102-9388 | - | - |
| Air Primary | 1 | 102-9387 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| N4F1-UP | | | | |
| Air Primary | 1 | 102-9387 | - | - |
| Air Primary | 1 | 102-9388 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Industrial Engines

G3304 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 4P-4719 | - | - |
| Gas | 1 | 322-4981 | - | - |

G3304B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| A4E1-UP | | | | |
| Air Primary | 1 | 102-9388 | - | - |
| Air Primary | 1 | 102-9387 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| S4E1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 102-9388 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary | 1 | 102-9387 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

G3306B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| NR41-UP | | | | |
| Gas | 1 | 322-4981 | - | - |
| R6S1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Gas | 1 | 322-4981 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| S6E1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| WR21-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

G3408

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 6NB1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 14 | 4P-3631 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4P-4719 | - | - |
| Gas | 1 | 322-4981 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic | 1 | 108-7980 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 6RJ1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4P-4719 | - | - |
| Gas | 1 | 322-4981 | - | - |
| 6RJ35-UP | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| CNZ1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| CTR1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

G3508

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 2JF1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |

Industrial Engines

G3508 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Engine Oil | 1 | 118-8419 | - | - |
| Engine Oil | 1 | 117-9550 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel | 1 | 4P-4719 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| 2TJ1-UP | | | | |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| 4WD1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 117-9550 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Fuel | 1 | 4P-4719 | - | - |
| Gas | 1 | 322-4981 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| 9AW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 4P-2839 | - | - |
| Engine Oil | 1 | 148-6399 | - | - |
| Engine Oil | 1 | 148-6400 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| 9TG1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 226-2779 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel | 1 | 4P-4719 | - | - |
| Gas | 1 | 322-4981 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| CPJ1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| CPS1-UP | | | | |
| Air - Panel | 1 | 128-1113 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| CPY1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Engine Oil | 1 | 117-9550 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| CTN1-UP(Engine) | | | | |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| DLR1-UP | | | | |

G3508 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 117-9550 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Fuel | 1 | 4P-4719 | - | - |
| Gas | 1 | 322-4981 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| E8A1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| E8C1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| N8A1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 14 | 4P-3631 | - | - |
| Engine Oil | 1 | 117-9550 | - | - |
| Gas | 1 | 322-4981 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| N8B1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 1 | 322-4981 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| WPM1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Fuel | 1 | 4P-4719 | - | - |
| Gas | 1 | 322-4981 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| WPN1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Fuel | 1 | 4P-4719 | - | - |
| Gas | 1 | 322-4981 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |

G3508B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| N8C1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 226-2779 | - | - |
| Gas | 1 | 322-4981 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| RBK1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |

Industrial Engines

G3508B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Gas | 1 | 322-4981 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |

G3512

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4KC1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 118-8419 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel | 1 | 4P-4719 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| 5JD1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Engine Oil | 1 | 118-8419 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 14 | 4P-3631 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| 6JW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 148-6400 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Engine Oil | 1 | 148-6399 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| 7NJ1-UP | | | | |
| Air Primary | 1 | 280-4180 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Engine Oil | 1 | 4P-2839 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| 7NJ78-UP | | | | |
| Air | 1 | 2W-4246 | - | - |
| 9FP1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| CRN1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Gas | 1 | 322-4985 | - | - |

G3512 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| CSP1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Engine Oil | 1 | 118-8419 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| CTM1-UP(Engine) | | | | |
| Air | 1 | 2W-4246 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| E2C1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| E2E1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| GNS1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 118-8419 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| N2M1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 118-8419 | - | - |
| Engine Oil | 14 | 4P-3631 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| N2N1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| N2P1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| WPP1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 280-4180 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| WPR1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 280-4180 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |

Industrial Engines

G3512B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| JHH1-UP | | | | |
| Air Primary | 1 | 280-4180 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| N2S1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 280-4180 | - | - |
| Gas | 1 | 322-4984 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |

G3606

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 3XF1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 6I-1797 | - | - |
| Air | 1 | 128-1180 | - | - |
| Air | 1 | 2W-4246 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Engine Oil | 1 | 138-6144 | - | - |
| Fuel | 1 | 4P-2222 | - | - |
| Fuel | 1 | 4P-4720 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4ZS1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 2W-4246 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Engine Oil | 1 | 138-6144 | - | - |
| Fuel | 1 | 4P-2222 | - | - |
| Fuel | 1 | 4P-4720 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

G3608

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

G3608 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 4WF1-UP | | | | |
| Air | 1 | 2W-4246 | - | - |
| Air | 1 | 6I-1797 | - | - |
| Air | 1 | 128-1180 | - | - |
| Air | 1 | 105-9742 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 1 | 138-6144 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Engine Oil | 1 | 1W-4136 | - | - |
| Fuel | 1 | 4P-4721 | - | - |
| Fuel | 1 | 4P-2222 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BEN1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil | 1 | 138-6144 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Fuel | 1 | 4P-2222 | - | - |
| Fuel | 1 | 4P-4721 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

G3612

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 1YG1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 6I-1797 | - | - |
| Air | 1 | 128-1180 | - | - |
| Air | 1 | 128-3919 | - | - |
| Air | 1 | 2W-4246 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Engine Oil | 1 | 138-6144 | - | - |
| Fuel | 1 | 4P-2222 | - | - |
| Fuel | 1 | 4P-4721 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BKE1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Engine Oil | 1 | 138-6144 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Fuel | 1 | 4P-2222 | - | - |
| Fuel | 1 | 4P-4721 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

G3616

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Industrial Engines

G3616 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 4CG1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 6I-1797 | - | - |
| Air | 1 | 128-1180 | - | - |
| Air | 1 | 128-3919 | - | - |
| Air | 1 | 2W-4246 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 1 | 138-6144 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Filter | 1 | 156-1073 | - | - |
| Fuel | 1 | 4P-4721 | - | - |
| Fuel | 1 | 4P-2222 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BLB1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 2W-4246 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Engine Oil | 1 | 138-6144 | - | - |
| Fuel | 1 | 4P-2222 | - | - |
| Fuel | 1 | 4P-4721 | - | - |
| Gas | 1 | 322-4985 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

HT400

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 7141-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| D2E1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 8H-7204 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

SBF214

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CPN1-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| CSB1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |

SBF214 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

SCT673

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 2SZ212-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4TZ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 4TZ216-421 | | | | |
| Hydraulic - Cartridge | 1 | 159-8433 | - | - |
| 4TZ216-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 205-4599 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic | 1 | 207-6894 | - | - |
| Hydraulic | 1 | 204-8008 | - | - |
| Hydraulic | 1 | 145-5452 | - | - |
| Hydraulic | 1 | 136-3594 | - | - |
| 5LJ1-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

SPF343

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 3KD1-165(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 3KD1-UP(Engine) | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 6RZ1-UP | | | | |
| Air | 1 | 177-2059 | - | - |
| Engine Oil | 1 | 156-7661 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |

Industrial Engines

SPF343 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 145-5452 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 136-3594 | - | - |
| Hydraulic ADV | 2 | 9T-0973 | 9T-0973 | 126-1817 |

SPF343C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| KJS1-UP(Transmission) | | | | |
| Transmission | 1 | 244-0395 | - | - |
| Transmission | 1 | 244-0393 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| R2A1-UP(Engine) | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Engine Oil | 1 | 156-7661 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 136-3594 | - | - |
| Hydraulic | 1 | 145-5452 | - | - |
| RTX1-UP | | | | |
| Air | 1 | 177-2059 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 156-7661 | - | - |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 145-5452 | - | - |
| Hydraulic | 1 | 136-3594 | - | - |
| Hydraulic ADV | 1 | 391-8878 | 391-8878 | - |
| Hydraulic ADV | 2 | 9T-0973 | 9T-0973 | 126-1817 |
| RTX214-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| RTX895-UP | | | | |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |

SPP101

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

SPP101 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7151-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| NME1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 129-3204 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

SPS342

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 2LZ1-UP | | | | |
| Air | 1 | 159-8481 | - | - |
| Air | 1 | 177-2059 | - | - |
| Air | 1 | 161-0469 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Hydraulic | 1 | 136-3594 | - | - |
| Hydraulic | 1 | 145-5452 | - | - |
| 2LZ219-UP | | | | |
| Fuel | 1 | 120-6703 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| 2SZ1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5LJ1-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

SPS343

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 3KD1-243(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 3KD1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 3KD244-UP(Engine) | | | | |

Industrial Engines

SPS343 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| 8ZZ1-UP | | | | |
| Air | 1 | 177-2059 | - | - |
| Fuel | 1 | 120-6703 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic | 1 | 136-3594 | - | - |
| Hydraulic | 1 | 145-5452 | - | - |

SPT342

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 2SZ212-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3CZ417-UP | | | | |
| Air | 1 | 177-2059 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 145-5452 | - | - |
| Hydraulic | 1 | 136-3594 | - | - |
| 5LJ1-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

SPT343

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 3KD1-UP(Engine) | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 5XZ1-UP | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 5XZ1018-UP | | | | |
| Air | 1 | 177-2059 | - | - |
| Engine Oil | 1 | 156-7661 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic | 1 | 145-5452 | - | - |

SPT343 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 2 | 9T-0973 | 9T-0973 | 126-1817 |
| 7XZ1-UP(Engine) | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

SUF557

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CPN1-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| LTF1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

3003

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3ZG1-UP | | | | |
| Air | 1 | 197-8561 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Engine Oil | 1 | 150-4140 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| G5P1-UP | | | | |
| Air | 1 | 197-8561 | - | - |
| Engine Oil | 1 | 150-4140 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |

Industrial Engines

3011C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 3111-UP | | | | |
| Air | 1 | 246-5011 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| Fuel | 1 | 183-5446 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 296-0888 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| G1P1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 246-5011 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| Fuel | 1 | 183-5446 | - | - |
| Fuel | 1 | 296-0888 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |

3013

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 4XD1-UP | | | | |
| Air | 1 | 197-8561 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Engine Oil | 1 | 150-4140 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| G6P1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Air | 1 | 197-8561 | - | - |
| Engine Oil | 1 | 150-4140 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |

3013C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

3013C (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 3131-599 | | | | |
| Air | 1 | 197-8561 | - | - |
| 3131-UP | | | | |
| Air | 1 | 246-5011 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 183-5446 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| G3P1-UP | | | | |
| Air | 1 | 197-8561 | - | - |
| Air | 1 | 246-5011 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 183-5446 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |

3014

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 4GF1-UP | | | | |
| Air | 1 | 197-8561 | - | - |
| Air Primary | 1 | 198-5314 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Engine Oil | 1 | 150-4140 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |

3024

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 4RF1-UP | | | | |
| Air Primary | 1 | 198-5314 | - | - |
| Engine Oil | 1 | 150-4140 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 183-5446 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |

Industrial Engines

3024 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| G2P1-UP | | | | |
| Air Primary | 1 | 198-5314 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Engine Oil | 1 | 150-4140 | - | - |
| Fuel | 1 | 276-1806 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 183-5446 | - | - |

3024C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 4241-UP | | | | |
| Air | 1 | 247-1380 | - | - |
| Air Primary | 1 | 198-5314 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 183-5446 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| G4P1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Air | 1 | 247-1380 | - | - |
| Air Primary | 1 | 198-5314 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 183-5446 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |

3044C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3441-UP | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 267-2528 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |

3054B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 5MF1-UP | | | | |
| Air | 1 | 122-6616 | - | - |
| Air Assembly | 1 | 127-9375 | - | - |
| Air Primary | 1 | 241-8445 | - | - |
| Air Primary | 1 | 123-2367 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 233-5182 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 241-8446 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 123-2368 | - | - |
| Air Secondary | 1 | 233-5184 | - | - |
| Engine Oil | 1 | 150-4140 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

3054C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3341-UP | | | | |
| Air Primary | 1 | 233-5182 | - | - |
| Air Primary | 1 | 212-4478 | - | - |
| Air Primary | 1 | 123-2367 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 123-2368 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 233-5184 | - | - |
| Air Secondary | 1 | 212-4477 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

3054E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Industrial Engines

3054E (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3041-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 233-5182 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 233-5184 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

3056E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3561-UP | | | | |
| Air | 1 | 233-5183 | - | - |
| Air | 1 | 236-7663 | - | - |
| Air | 1 | 233-5185 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 272-5766 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 145-4501 | - | - |

3126

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 1BW1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 1WM1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 1ZJ1-UP | | | | |
| Air | 1 | 133-2217 | - | - |

3126 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 4P-7918 | - | - |
| Air | 1 | 128-3697 | - | - |
| Filter-Oil | 1 | 324-2598 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 3SM490-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 3TR1-241 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 3TR1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 3TR202-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 4ES1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4EZ1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Filter-Oil | 1 | 324-2598 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 55K3111-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 6MK1-UP | | | | |
| Air | 1 | 128-3697 | - | - |
| Air | 1 | 133-2217 | - | - |
| Air | 1 | 4P-7918 | - | - |
| Filter-Oil | 1 | 324-2598 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6MS1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6MS366-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 6SR1-UP | | | | |
| Air | 1 | 122-4216 | - | - |
| Air | 1 | 133-2217 | - | - |
| Air | 1 | 128-3697 | - | - |
| Filter-Oil | 1 | 324-2598 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7LZ1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7TZ2100-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 8HW1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 8NM1-1064 | | | | |
| Air | 1 | 4P-7918 | - | - |
| 8NM1-4256 | | | | |

Industrial Engines

3126 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 133-2217 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| 8NM1-UP | | | | |
| Air | 1 | 122-4216 | - | - |
| Air | 1 | 128-3697 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Filter-Oil | 1 | 324-2598 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 9ZR1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 146-6692 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 146-6695 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| CKK1-UP | | | | |
| Air | 1 | 133-2217 | - | - |
| Air | 1 | 4P-7918 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| NSW1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Filter-Oil | 1 | 324-2598 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

3126B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 1AJ1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 3GS1-UP | | | | |
| Air | 1 | 196-8518 | - | - |
| Air | 1 | 174-9057 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 5GL1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6PZ1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7AS1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 129-3204 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

3126B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7JZ1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 8SZ1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 129-3204 | - | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 8YL1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 129-3204 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 9ZF1-UP | | | | |
| Air | 1 | 196-8518 | - | - |
| Air | 1 | 174-9057 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| BDZ1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 146-6692 | - | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| BEJ1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| BEJ10443-UP | | | | |
| Fuel | 1 | 129-3204 | - | - |
| BKD1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| BKD127-UP | | | | |
| Fuel | 1 | 129-3204 | - | - |
| DCD1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| DCS1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 129-3204 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |

Industrial Engines

3126B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Z2A1-UP | | | | |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

3176C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2AW1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6BW1-UP | | | | |
| Air | 1 | 101-1626 | - | - |
| Air | 1 | 118-2849 | - | - |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 170-0061 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3196

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1DW1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

3196 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2XR1-UP | | | | |
| Air | 1 | 118-2849 | - | - |
| Air | 1 | 101-1626 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 170-0061 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3204

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 2TB1-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2TB505-UP | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| 3PC1-UP | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 6DC1-471 | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7EB1-UP | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

3408B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 1LG1-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 28V1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 5L-1203 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| 28V3038-4800 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |

Industrial Engines

3408B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 28V3354-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 28V4750-UP | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| 28V4801-UP | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 2BG1-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 67U1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 6N-6064 | - | - |
| Air Primary | 1 | 6N-6071 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6072 | - | - |
| Air Secondary | 1 | 6N-6065 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 7N-1308 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 3R-2251 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 67U11803-UP | | | | |
| Air Primary | 1 | 7C-1572 | - | - |
| 67U131-UP | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 78Z1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 7N-1308 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8RG1-UP | | | | |
| Air | 1 | 4P-7918 | - | - |
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 99U1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3408B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 9G-6420 | - | - |
| 99U4604-UP | | | | |
| Engine Oil | 1 | 4N-2759 | - | - |
| Fuel | 1 | 4N-1981 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| 9TD1-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3408E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 7PR1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 4N-1409 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3412

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 1EZ1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1EZ662-UP(Engine) | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 2WJ1-UP | | | | |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 11 | 8H-7204 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Industrial Engines

3412 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 38S1-UP | | | | |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 6N-6064 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 6N-6071 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 7N-1308 | - | - |
| Air Secondary | 1 | 6N-6065 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 6N-6072 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 38S13549-UP | | | | |
| Air Primary | 1 | 7C-1572 | - | - |
| 38S16484-UP | | | | |
| Air | 1 | 133-2217 | - | - |
| Air Primary | 1 | 6I-0384 | - | - |
| 38S4400-UP | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 3FZ1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 3FZ1063-UP(Engine) | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 3JK1-1620 | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 3JK1-UP | | | | |
| Air | 1 | 133-2217 | - | - |
| Air Primary | 1 | 6I-0384 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3JK421-1620 | | | | |
| Engine Oil | 1 | 4N-2759 | - | - |
| 4BZ1-UP | | | | |
| Air | 2 | 151-7738 | - | - |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 2 | 142-1404 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| 60M1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 1 | 4N-2759 | - | - |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3412 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7BL1-342 | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 7BL1-UP | | | | |
| Air | 1 | 133-2217 | - | - |
| Air Primary | 1 | 6I-0384 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7BL72-UP | | | | |
| Engine Oil | 1 | 4N-2759 | - | - |
| 81Z1-UP | | | | |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 7C-1571 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 7N-1308 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Primary | 1 | 4P-7384 | - | 4P-7384 |
| Fuel Primary | 1 | 4P-7384 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9XF1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BCS1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BDT1-UP | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3412E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 1EZ3925-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Industrial Engines

3412E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| 4CR1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9KS1-2000 | | | | |
| Fuel - FWS | 1 | 151-0240 | - | - |
| 9KS1-UP | | | | |
| Air | 1 | 133-2217 | - | - |
| Air Primary | 1 | 6I-0384 | - | - |
| Engine Oil | 1 | 4N-2759 | - | - |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9KS2001-UP | | | | |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| 9PW1-744 | | | | |
| Fuel - FWS | 1 | 151-0240 | - | - |
| 9PW1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 4N-2759 | - | - |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9PW745-UP | | | | |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| BDT1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BDT4230-UP | | | | |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| BFT1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| TGC1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 2 | 142-1404 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3508C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| F1X1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Secondary | 1 | 4P-0711 | - | - |
| Air Secondary | 1 | 8N-2556 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| M8D1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PXA1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PXB1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| RR41-UP | | | | |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| TTA1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| TTB1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| TTM1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TTP1-UP | | | | |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

3516C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Industrial Engines

3516C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| DD51-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| DD61-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| DPD1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| E3Z1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| EDY1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| GS21-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Air Primary | 1 | 4P-0710 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| JDH1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| JDJ1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 2 | 134-6307 | - | - |
| JTS1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 226-2779 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| MXT1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PAF1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| PAG1-UP | | | | |
| Air Primary | 1 | 4P-0710 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| PM31-UP(Engine) | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PRC1-UP | | | | |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| PXD1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

3516C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| PXH1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PXJ1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| PXZ1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| SBJ1-UP | | | | |
| Air | 4 | 128-3919 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| SBK1-UP | | | | |
| Air | 1 | 311-6687 | - | - |
| Air | 1 | 311-6689 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| SBM1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| SCJ1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Filter | 1 | 382-9033 | - | - |
| Filter-Air | 1 | 370-6216 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| SCK1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Filter | 1 | 382-9033 | - | - |
| Filter-Air | 1 | 370-6216 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| SDX1-UP | | | | |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| SEK1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

Industrial Engines

3516C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| SFJ1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| SFK1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Filter | 1 | 382-9033 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| SKC1-UP | | | | |
| Air - Panel | 1 | 128-1112 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Filter | 1 | 382-9033 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| T2X1-UP | | | | |
| Air Primary | 1 | 113-1578 | - | - |
| Air Secondary | 1 | 113-1579 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| TKR1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| TKS1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TKT1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TKX1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TKY1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TTD1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| TTH1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| TTJ1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 1 | 7W-9741 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| TTY1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |

3516C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| TTZ1-UP | | | | |
| Air Primary | 1 | 226-2779 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Hydraulic - Cartridge | 1 | 1R-0726 | 276-5403 | 284-9054 |
| WFS1-UP | | | | |
| Air Primary | 1 | 208-9065 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Coolant | 1 | 435-5142 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |
| WFT1-UP | | | | |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 208-9065 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 208-9066 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Hydraulic - Cartridge | 3 | 1R-0726 | 276-5403 | 284-9054 |

3616

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 1FN1-UP | | | | |
| Air | 1 | 6I-1797 | - | - |
| Air | 1 | 128-1180 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 1 | 4W-5421 | - | - |
| 1PD1-UP | | | | |
| Air | 1 | 6I-1797 | - | - |
| Air | 1 | 128-1180 | - | - |
| Air | 1 | 128-3919 | - | - |
| Air | 1 | 105-9742 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 1 | 1W-4136 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 4 | 7E-4480 | - | - |
| Fuel | 4 | 119-8901 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 1 | 4W-5421 | - | - |
| RMN1-UP | | | | |
| Engine Oil | 1 | 163-4200 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |

Industrial Engines

3616 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| ZYD1-UP | | | | |
| Engine Oil | 6 | 179-1502 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 2 | 134-6307 | - | - |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2} {3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3} {4} {6} |
| Cat ELI | 12,000 Service Hours or Six Years {2} {3} |
| Cat SCA | 3,000 Service Hours or Three Years {3} {4} {6} |
| {1} Use the interval that occurs first | |
| {2} Add Cat ELC Extender at 6,000 hours or one half of the service life for the ELC | |
| {3} These coolant change intervals are only possible with annual S-O-S Level 2 coolant sampling and analysis | |
| {4} These coolant change intervals are only possible with annual S-O-S Level 2 coolant sampling and analysis and Level 1 sampling every 500 hours. | |
| {5} Not for use with C7-C32 heat exchange cooled marine engines | |
| {6} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Commercial Diesel Engine Fluids Recommendations Guide (SEBU6251) or Caterpillar 3600 and C280 Service Diesel Engine Fluids Recommendation Guide (SEBU7003).

| Oil Type | Viscosity Grade | °C | | °F | |
|--|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| SAEO {2} | SAE 30 {3} | -18 | 40 | 0 | 104 |
| SAEO {2} | SAE 40 {3} | -9.5 | 50 | 15 | 122 |
| Cat DEO {1} | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| Cat DEO {4} | SAE 40 | 5 | 50 | 41 | 122 |
| {1} Factory Fill Fluid | | | | | |
| {2} For use in 3116 and 3126 Marine Diesel Engines with mechanical unit injection and a closed crankcase ventilation system. | | | | | |
| {3} For complete application information, see the Operations & Maintenance Manual for your engine. | | | | | |
| {4} For 3600 Series engines | | | | | |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

Marine Engines

C1.5

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C5N1-UP | | | | |
| Air | 1 | 246-5011 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 183-4322 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| C6N1-UP | | | | |
| Air | 1 | 246-5011 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| C8W1-UP | | | | |
| Air | 1 | 246-5011 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| E1M1-UP(Engine) | | | | |
| Air | 1 | 246-5011 | - | - |
| Air | 1 | 263-1285 | - | - |
| Air | 1 | 197-8561 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| G7N1-UP | | | | |
| Air | 1 | 246-5011 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 183-4322 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| G7P1-UP | | | | |
| Air | 1 | 246-5011 | - | - |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 296-0888 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| GBD1-UP | | | | |
| Air | 1 | 263-1285 | - | - |
| Air | 1 | 266-2793 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| NCA1-UP | | | | |
| Air | 1 | 266-2793 | - | - |
| Air | 1 | 246-5011 | - | - |
| Air | 1 | 263-1285 | - | - |
| Fuel | 1 | 276-1806 | - | - |
| Fuel | 1 | 276-1804 | - | - |
| SAK1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| Fuel | 1 | 210-6787 | - | - |
| Fuel | 1 | 210-6712 | - | - |
| Fuel | 1 | 206-6910 | - | - |
| TAF1-UP | | | | |
| Air | 1 | 197-8561 | - | - |
| Air | 1 | 246-5011 | - | - |

C280-12

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

C280-12 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| RDW1-UP | | | | |
| Air | 1 | 128-1180 | - | - |
| Air | 1 | 105-9742 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 1 | 4W-5421 | - | - |
| TSJ1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 128-1180 | - | - |
| Air | 1 | 105-9742 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 1 | 4W-5421 | - | - |

C280-16

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| A4F1-UP | | | | |
| Engine Oil | 6 | 179-1502 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| NKB1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 4W-5421 | - | - |
| TDX1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 1 | 4W-5421 | - | - |

C280-6

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Marine Engines

C280-6 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| LDL1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 128-1180 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 1 | 4W-5421 | - | - |
| SCB1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel Primary | 1 | 4W-5421 | - | - |
| SCB100-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 128-1180 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |

C280-8

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| NDT1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 1 | 4W-5421 | - | - |
| PKA1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel Primary | 1 | 4W-5421 | - | - |
| PKA100-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |

3034

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

3034 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 7EF1-UP | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| CPP1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Air | 1 | 205-2224 | - | - |
| Air | 1 | 205-2284 | - | - |
| Fuel | 1 | 205-3043 | - | - |
| Fuel | 1 | 206-6911 | - | - |

3054

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 2PW1-UP | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 4ZK1-UP | | | | |
| Air | 1 | 101-7854 | - | - |
| Air Assembly | 1 | 127-9375 | - | - |
| Air Primary | 1 | 100-6845 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 100-6844 | - | - |
| Air Secondary | 1 | 100-6848 | - | - |
| Air Secondary | 1 | 100-6847 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 4ZK4889-UP | | | | |
| Air | 1 | 122-6616 | - | - |
| Air Primary | 1 | 123-2367 | - | - |
| Air Secondary | 1 | 123-2368 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 5YS1-UP | | | | |
| Air | 1 | 231-6109 | - | - |
| Air | 1 | 122-6616 | - | - |
| Air Assembly | 1 | 127-9375 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 233-5182 | - | - |
| Air Primary | 1 | 212-4478 | - | - |
| Air Primary | 1 | 198-5314 | - | - |
| Air Primary | 1 | 123-2367 | - | - |
| Air Secondary | 1 | 233-5184 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 123-2368 | - | - |
| Air Secondary | 1 | 210-7684 | - | - |
| Air Secondary | 1 | 212-4477 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3738 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 6FK1-UP | | | | |
| Air | 1 | 122-6616 | - | - |

Marine Engines

3054 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air | 1 | 104-2080 | - | - |
| Air | 1 | 160-7163 | - | - |
| Air | 1 | 101-7854 | - | - |
| Air Assembly | 1 | 127-9375 | - | - |
| Air Primary | 1 | 130-4678 | - | - |
| Air Primary | 1 | 123-2367 | - | - |
| Air Primary | 1 | 100-6844 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 100-6845 | - | - |
| Air Primary | 1 | 100-6846 | - | - |
| Air Primary | 1 | 212-4478 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 100-6849 | - | - |
| Air Secondary | 1 | 100-6848 | - | - |
| Air Secondary | 1 | 100-6847 | - | - |
| Air Secondary | 1 | 123-2368 | - | - |
| Air Secondary | 1 | 212-4477 | - | - |
| Air Secondary | 1 | 130-4679 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 6NR1-UP | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| CHN1-UP | | | | |
| Air Primary | 1 | 198-5314 | - | - |
| Air Secondary | 1 | 210-7684 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 206-6910 | - | - |
| Fuel | 1 | 206-6911 | - | - |
| Fuel | 1 | 205-3043 | - | - |
| Fuel | 1 | 210-6787 | - | - |
| Fuel | 1 | 210-6712 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 2 | 236-6057 | - | - |
| Fuel - FWS | 1 | 206-6909 | - | - |
| CSH1-UP | | | | |
| Air | 1 | 196-7648 | - | - |
| Fuel | 1 | 205-3043 | - | - |
| Fuel | 1 | 206-6911 | - | - |
| CYK1-UP | | | | |
| Air | 1 | 196-7648 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 205-3043 | - | - |
| Fuel | 1 | 206-6911 | - | - |
| GSM1-UP(Engine) | | | | |
| Air Primary | 1 | 198-5314 | - | - |
| Air Primary | 1 | 212-4478 | - | - |
| Air Secondary | 1 | 210-7684 | - | - |
| Air Secondary | 1 | 212-4477 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 210-6787 | - | - |
| Fuel | 1 | 210-6712 | - | - |
| Fuel | 1 | 206-6911 | - | - |
| Fuel | 1 | 205-3043 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 206-6910 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| SMN1-UP | | | | |
| Air | 1 | 196-7648 | - | - |
| TCN1-UP | | | | |
| Air Primary | 1 | 212-4478 | - | - |
| Air Secondary | 1 | 212-4477 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 210-6787 | - | - |
| Fuel | 1 | 210-6712 | - | - |
| Fuel | 1 | 206-6910 | - | - |
| Fuel | 1 | 205-3043 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 206-6911 | - | - |
| Fuel | 2 | 236-6057 | - | - |
| Fuel - FWS | 1 | 206-6909 | - | - |

3056

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1ML1-UP | | | | |
| Air | 1 | 122-6617 | - | - |
| Air | 1 | 104-2080 | - | - |
| Air | 1 | 101-7854 | - | - |
| Air | 1 | 160-7163 | - | - |
| Air Primary | 1 | 100-6846 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 100-6845 | - | - |
| Air Primary | 1 | 221-1170 | - | - |
| Air Primary | 1 | 130-4678 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 130-4679 | - | - |
| Air Secondary | 1 | 221-1174 | - | - |
| Air Secondary | 1 | 100-6849 | - | - |
| Air Secondary | 1 | 100-6848 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3738 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3GW1-UP | | | | |
| Fuel | 1 | 101-3738 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7AK1-UP | | | | |
| Air | 1 | 160-7163 | - | - |
| Air | 1 | 104-2080 | - | - |
| Air Primary | 1 | 130-4678 | - | - |
| Air Primary | 1 | 100-6846 | - | - |
| Air Secondary | 1 | 100-6849 | - | - |
| Air Secondary | 1 | 130-4679 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7AK2869-UP | | | | |
| Air | 1 | 122-6617 | - | - |
| 7MS1-753 | | | | |
| Air | 1 | 122-6617 | - | - |
| 7MS1-UP | | | | |
| Air | 1 | 160-7163 | - | - |
| Air | 1 | 210-0925 | - | - |
| Air Assembly | 1 | 127-9375 | - | - |
| Air Primary | 1 | 130-4678 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 130-4679 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 296-6429 | - | - |
| Fuel | 1 | 226-4826 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3738 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7MS2690-UP | | | | |
| Air | 1 | 104-2080 | - | - |
| Air Primary | 1 | 100-6846 | - | - |
| Air Secondary | 1 | 100-6849 | - | - |
| CKS1-UP | | | | |
| Air | 1 | 196-7648 | - | - |
| Air | 2 | 193-5136 | - | - |
| Fuel | 1 | 232-0861 | - | - |
| GSN1-UP(Engine) | | | | |
| Air Primary | 1 | 212-4478 | - | - |
| Air Secondary | 1 | 212-4477 | - | - |
| Fuel | 0 | 205-3042 | - | - |
| Fuel | 1 | 205-3043 | - | - |

Marine Engines

3056 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 206-6910 | - | - |
| Fuel | 1 | 206-6911 | - | - |
| Fuel | 1 | 210-6712 | - | - |
| Fuel | 1 | 210-6787 | - | - |
| SNX1-UP | | | | |
| Air Primary | 1 | 212-4478 | - | - |
| Air Secondary | 1 | 212-4477 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 206-6910 | - | - |
| Fuel | 1 | 206-6911 | - | - |
| Fuel | 0 | 205-3042 | - | - |
| Fuel | 1 | 210-6787 | - | - |
| Fuel | 1 | 205-3043 | - | - |
| Fuel | 1 | 210-6712 | - | - |
| Fuel | 2 | 236-6057 | - | - |
| Fuel - FWS | 1 | 206-6909 | - | - |

3176B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3NL1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9CK1-32765 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9WK1-UP | | | | |
| Air | 1 | 101-1626 | - | - |
| Air | 1 | 118-2849 | - | - |
| Air Primary | 1 | 8N-6309 | - | 185-8786 |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3208

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

3208 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 01Z1-UP | | | | |
| Air Primary | 1 | 8N-5006 | - | - |
| Air Primary | 1 | 7W-5040 | - | - |
| Engine Oil | 2 | 1R-0713 | - | - |
| Engine Oil | 2 | 1R-0714 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 01Z17347-UP | | | | |
| Air | 1 | 7E-0766 | - | - |
| 01Z21747-UP | | | | |
| Air | 1 | 4P-7918 | - | - |
| Air | 1 | 133-2217 | - | - |
| 01Z3096-4621 | | | | |
| Air | 1 | 2W-6155 | - | - |
| 01Z4622-UP | | | | |
| Air Primary | 1 | 9Y-2300 | - | - |
| Air Primary | 1 | 7W-2275 | - | - |
| 02Z1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0713 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel - FWS | 1 | 6N-7617 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 02Z28467-42451 | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 02Z36385-UP | | | | |
| Engine Oil | 2 | 1R-0714 | - | - |
| 03Z1-UP | | | | |
| Air | 1 | 7N-1225 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 8N-5006 | - | - |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 03Z14820-15249 | | | | |
| Engine Oil | 2 | 1R-0713 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 03Z6972-UP | | | | |
| Engine Oil | 2 | 1R-0714 | - | - |
| 29A1-UP | | | | |
| Air Secondary | 1 | 1C-6395 | - | - |
| Engine Oil | 2 | 1R-0713 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 29A1683-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 29A225-UP | | | | |
| Air | 1 | 7N-1225 | - | - |
| 30A1-UP | | | | |
| Air | 1 | 7N-1225 | - | - |
| Engine Oil | 2 | 1R-0713 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 30A3204-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 30A3263-UP | | | | |
| Engine Oil | 2 | 1R-0714 | - | - |
| 32Y1-UP | | | | |
| Air | 1 | 7N-1225 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel | 1 | 9N-3778 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel - FWS | 1 | 6N-7617 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 32Y68441-UP | | | | |

Marine Engines

3208 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 2 | 1R-0713 | - | - |
| 40S1-94299 | | | | |
| Air | 1 | 7N-1225 | - | - |
| Fuel | 1 | 9N-3778 | - | - |
| Fuel - FWS | 1 | 6N-7617 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 40S1672-94299 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 40S1672-UP | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 40S43367-94299 | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 51Z1-UP | | | | |
| Air | 1 | 7N-1225 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0713 | - | - |
| Fuel | 1 | 9N-3778 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5YF1-1169 | | | | |
| Engine Oil | 2 | 1R-0713 | - | - |
| 5YF1-UP | | | | |
| Air Primary | 1 | 7C-1570 | - | - |
| Engine Oil | 2 | 1R-0714 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6SF1-UP | | | | |
| Engine Oil | 2 | 1R-0714 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 75V1-UP | | | | |
| Air | 1 | 6N-1655 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0713 | - | - |
| Fuel | 1 | 9N-3778 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 6N-7617 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 75V4283-UP | | | | |
| Air Primary | 1 | 8N-5006 | - | - |
| 90N1-UP | | | | |
| Air | 1 | 7N-1225 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0713 | - | - |
| Fuel | 1 | 9N-3778 | - | - |
| Fuel - FWS | 1 | 6N-7617 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

3408

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

3408 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 28V1-UP | | | | |
| Air | 1 | 5L-1203 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| 28V3038-4800 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 28V3354-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 28V4750-UP | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| 28V4801-UP | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 67U1-UP | | | | |
| Air Primary | 1 | 6N-6071 | - | - |
| Air Primary | 1 | 6N-6064 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 7N-1308 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 6N-6072 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary | 1 | 6N-6065 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 3R-2251 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 67U11803-UP | | | | |
| Air Primary | 1 | 7C-1572 | - | - |
| 78Z1-UP | | | | |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 7N-1308 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 99U1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9G-6420 | - | - |
| 99U4604-UP | | | | |
| Engine Oil | 1 | 4N-2759 | - | - |
| Fuel | 1 | 4N-1981 | - | - |

Marine Engines

3408C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1TS1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1TS457-UP | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| 4081-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 67U1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 6N-6064 | - | - |
| Air Primary | 1 | 6N-6071 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary | 1 | 6N-6072 | - | - |
| Air Secondary | 1 | 6N-6065 | - | - |
| Air Secondary | 1 | 7N-1308 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 3R-2251 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 67U11803-UP | | | | |
| Air Primary | 1 | 7C-1572 | - | - |
| 67U131-UP | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 7821-UP | | | | |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary | 1 | 7N-1308 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3408C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| 8RG1-UP | | | | |
| Air | 1 | 4P-7918 | - | - |
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 99U1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9G-6420 | - | - |
| 99U4604-UP | | | | |
| Engine Oil | 1 | 4N-2759 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| 9ER1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9XM1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| TAM1-UP | | | | |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3412D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| REA1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 4N-2759 | - | - |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Marine Engines

3608

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 1ZD1-UP | | | | |
| Engine Oil | 1 | 172-1018 | - | - |
| Engine Oil | 1 | 273-9846 | - | - |
| Fuel | 12 | 3R-2251 | - | - |
| Fuel | 1 | 9Y-6501 | - | - |
| 5PG1-UP | | | | |
| Engine Oil | 1 | 9Y-6500 | - | - |
| Fuel | 12 | 3R-2251 | - | - |
| Fuel | 1 | 9Y-6501 | - | - |
| Fuel | 1 | 4R-8806 | - | - |
| 6MC1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air | 1 | 128-3919 | - | - |
| Air | 1 | 128-1180 | - | - |
| Air | 1 | 6I-1797 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Engine Oil | 1 | 1W-4136 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel | 4 | 119-8901 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel | 2 | 7E-4480 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 1 | 4W-5421 | - | - |
| 7WR1-UP | | | | |
| Air | 1 | 105-9742 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 1 | 4W-5421 | - | - |
| 8LL1-UP | | | | |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 3 | 4P-7384 | - | - |
| Fuel Primary | 3 | 4P-7384 | - | 4P-7384 |

3612

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 2NZ1-UP | | | | |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| 2NZ168-UP | | | | |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| 9FR1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| 9RC1-UP | | | | |
| Air | 1 | 6I-1797 | - | - |
| Air | 1 | 105-9742 | - | - |

3612 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 128-1180 | - | - |
| Air | 1 | 128-3919 | - | - |
| Air | 1 | 233-2674 | - | - |
| Air - Cabinet Control | 1 | 157-5240 | - | - |
| Engine Oil | 1 | 1W-4136 | - | - |
| Engine Oil | 6 | 179-1502 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel | 4 | 119-8901 | - | - |
| Fuel | 2 | 4W-2609 | - | - |
| Fuel | 4 | 7E-4480 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 1 | 4W-5421 | - | - |
| NZA1-UP | | | | |
| Engine Oil | 6 | 179-1502 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| ZYC1-UP | | | | |
| Engine Oil | 6 | 179-1502 | - | - |
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 2 | 134-6307 | - | - |

3618

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2MW1-UP | | | | |
| Engine Oil | 6 | 179-1502 | - | - |
| Engine Oil | 1 | 1W-4136 | - | - |
| Engine Oil | 1 | 163-4200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|
| Fuel - ADV | 8 | 1R-0766 | 1R-0766 | - |
| Fuel Primary | 2 | 155-2952 | - | - |

Truck Engines

Coolants



| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Caterpillar On-Highway Diesel Fluids Recommendations Guide (SEBU6385).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

C7

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| C7B1-UP | | | | |
| Air | 1 | 196-8518 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| C7D1-UP | | | | |
| Air | 1 | 196-8518 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

C7 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| C7P1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| C7S1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| C7S1252-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| C7T1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| C7X1-UP | | | | |
| Air | 1 | 196-8518 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| C7Z1-UP | | | | |
| Air | 1 | 196-8518 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| FML1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| FMM1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| JKL1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| JRA1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| JRT1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| JTF1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| K2A1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |

Truck Engines

C7 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| KAL1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 198-6378 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| KAL247-UP | | | | |
| Fuel | 1 | 129-3204 | - | - |
| LBM1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 198-6378 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| M7A1-UP | | | | |
| Air | 1 | 196-8518 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| M7G1-UP | | | | |
| Air | 1 | 196-8518 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| NPH1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| PGZ1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| PRY1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| RMF1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| SAP1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 129-3204 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| TEF1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| TSK1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| WAX1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 129-3204 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| YPG1-UP | | | | |

C7 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

C11

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| B5K1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| GLS1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| HRA1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| KCA1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| KCA6897-UP | | | | |
| Fuel | 1 | 8H-7204 | - | - |

Truck Engines

C13

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| A5K1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| A5Z1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| EMS1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| JAM1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| KCB1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| KCB42877-UP | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| KWJ1-UP | | | | |
| Air Primary | 1 | 396-2122 | - | 420-5282 |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 333-1189 | - | - |
| Air Secondary | 1 | 331-8111 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| LEE1-UP | | | | |
| Air | 1 | 299-7553 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - ADV | 1 | 276-3641 | - | - |
| Fuel - FWS | 1 | 256-8753 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Oil - ADV | 2 | 249-2347 | - | - |
| LGK1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary - Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 6I-2510 | - | - |

C13 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| N3F1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 396-2122 | - | 420-5282 |
| Air Secondary | 1 | 331-8111 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| PRM1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| PRM405-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| RRA1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| S3C1-UP | | | | |
| Air | 1 | 299-7553 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Oil - ADV | 2 | 249-2347 | - | - |
| S3C150-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

C-10

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2PN1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 175-2949 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2PN1182-UP | | | | |

Truck Engines

C-10 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 8H-7204 | - | - |
| 3CS1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Coolant | 1 | 203-5594 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 175-2949 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8YS1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 175-2949 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BCX1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1W-8845 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BEW1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| MBJ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Coolant | 1 | 203-5594 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Z2B1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

C-12

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1YN1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1W-8845 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |

C-12 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2KS1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Coolant | 1 | 203-5594 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 175-2949 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8YF1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9HP1-UP | | | | |
| Air Primary | 1 | 177-7375 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 170-0061 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9NS1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 175-2949 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9SM1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 175-2949 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BCY1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BDL1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BFH1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| CPD1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1W-8845 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| GEP1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| K1M1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 170-0061 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Truck Engines

C-12 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| MBL1-UP | | | | |
| Coolant | 1 | 203-5594 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 8N-0205 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| TME1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

C-15

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| 6NZ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9NZ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BEM1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| EGH1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| MBN1-30210 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| MBN1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Z2C1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

C-16

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| 7CZ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BFM1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| W1A1-184 | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| W1A1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| W1A400-UP | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |

C-18

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| CJP1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| MDP1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| MEP1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Truck Engines

CX28

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| K3X1-UP | | | | |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic - UHE | 2 | 126-1815 | - | 126-1815 |
| Hydraulic - UHE | 1 | 280-7427 | - | - |
| Hydraulic - UHE, Cartridge | 1 | 249-2329 | - | - |
| Transmission ADV | 1 | 348-5224 | 348-5224 | - |
| T3X1-UP | | | | |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 280-7427 | - | - |
| Hydraulic - UHE | 2 | 126-1815 | - | 126-1815 |
| Hydraulic - UHE, Cartridge | 1 | 249-2329 | - | - |
| Transmission ADV | 1 | 348-5224 | 348-5224 | - |
| TBB1-UP | | | | |
| Hydraulic - UHE, Cartridge | 1 | 249-2329 | - | - |
| Transmission ADV | 1 | 348-5224 | 348-5224 | - |

3116

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 1NJ1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 8N-4901 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1SK1-UP | | | | |
| Air | 1 | 4P-7918 | - | - |
| Air Primary | 1 | 8N-5006 | - | - |
| Air Primary | 1 | 7W-5040 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0714 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Filter-Oil | 1 | 324-2598 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1SK1687-UP | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 2BK1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

3116 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2BK29536-UP | | | | |
| Fuel | 1 | 7E-9763 | - | - |
| 2BK3429-UP | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 2CW1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 2FR1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2MR1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 7C-0896 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 2SG1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 2WG1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 8N-4901 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 146-6692 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2WG3126-UP | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 3RJ1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4KG1-UP | | | | |
| Air | 1 | 4P-7918 | - | - |
| Air Primary | 1 | 8N-5006 | - | - |
| Air Primary | 1 | 7W-5040 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Filter-Oil | 1 | 324-2598 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4KG5498-9870 | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 4PG1-UP | | | | |

Truck Engines

3116 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 8N-4901 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4PG784-UP | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 5EN1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 146-6692 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 5JZ1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5RM1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7AG1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7HJ1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7HS1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7JL1-UP | | | | |
| Air | 1 | 114-9097 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 146-6692 | - | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7JL1113-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 7JL1127-1265 | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 7JL2637-3878 | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 7SF1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |

3116 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7SF7689-10858 | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 7TM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8WL1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z272-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9GK1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 7E-9763 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9GK7093-70157 | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 9LN1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 9YN1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| CSM1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

3126E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 6ZG1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 190-4117 | - | - |
| Fuel | 1 | 129-3204 | - | - |
| Fuel | 1 | 190-4118 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

Truck Engines

3126E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 9SZ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 129-3204 | - | - |
| Fuel | 1 | 198-6378 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| BNG1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - ADV | 5 | 1R-0756 | 1R-0756 | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| CKM1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 129-3204 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| CKM135-UP | | | | |
| Fuel | 1 | 198-6378 | - | - |
| CRP1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 198-6378 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| CRP246-UP | | | | |
| Fuel | 1 | 129-3204 | - | - |
| DPF1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| DPF150-269 | | | | |
| Fuel | 1 | 129-3204 | - | - |
| G3E1-414 | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| G3E1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| HEP1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 129-3204 | - | - |
| Fuel | 1 | 198-6378 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| LEF1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

3176

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 2YG1-3356 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 2YG1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1W-8845 | - | - |
| Fuel | 1 | 4N-5823 | - | - |

3176 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5XN1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7LG1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1W-8845 | - | - |
| Fuel | 1 | 4N-5823 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

3306C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 2AZ1-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3KS1-498 | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3KS1-UP | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| 7RJ1-6046 | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 7RJ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9TL1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9TL1668-10928 | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 9TL2264-UP | | | | |
| Fuel Primary | 1 | 7C-4949 | - | - |

3406C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Truck Engines

3406C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1DZ1-UP(Engine) | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1LS1-UP | | | | |
| Air Primary | 1 | 7C-1572 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1SS1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2AM1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel | 1 | 120-6703 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2GG1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2WB1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel | 1 | 3R-2251 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2WB1359-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 3ER1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3ZJ1-3554 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 3ZJ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3ZJ60113-61781 | | | | |
| Fuel | 1 | 8H-7204 | - | - |

3406C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4061-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4BM1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 120-6703 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Primary | 2 | 134-6307 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4CK1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4GW1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4JK1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4JK39-UP | | | | |
| 4MG1-UP | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| 4MG83945-91815 | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 4RG1-2564 | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4RG1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 7C-1572 | - | - |
| 4T71-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4TB1-UP | | | | |
| Air | 1 | 133-2217 | - | - |
| Air | 1 | 101-1626 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary | 1 | 7C-1571 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 3R-2251 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9G-6420 | - | - |
| 5H91-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Coolant | 1 | 435-5142 | - | - |

Truck Engines

3406C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| 5KJ1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7T21-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| 8FS1-1026 | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8FS1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 189-0202 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 151-0240 | - | - |
| 8PN1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9ES1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| C2G1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 9Y-3879 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| C2Y1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 9Y-3879 | - | - |
| C5G1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 9Y-3879 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 189-0202 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| C8G1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| KPS1-UP | | | | |
| Air Primary | 1 | 7C-1572 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| LRX1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 189-0202 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |

3406C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| PFH1-UP | | | | |
| Air Primary | 1 | 4N-0015 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 8N-0205 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| ZKC1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |

3406E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 1LW1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1LW230-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 1MM1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1MZ1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2WS1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2WS406-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 4AS206-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4AS382-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 5DS1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5EK1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 109-1376 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6BR1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |

Truck Engines

3406E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6BR593-UP | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 6TS1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8AZ1-UP | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| 9NN1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9WR1-UP | | | | |
| Air | 1 | 136-7353 | - | - |
| Air | 1 | 133-2217 | - | - |
| Air Primary | 1 | 4N-0015 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Agricultural Tractors

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO™ Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|---------------------------------------|---|---------------------------|-----|-----|-----|------------|----------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Front Axle, Main Drive Shaft Slip Spline, Power Take-Off Drive Shaft | High | Agricultural drawbar work at full throttle, engine lugged to max. power most of the time, little or no idling or travel in reverse. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | Medium | Agricultural drawbar work at full throttle but not always lugging engine. Some idling and some travel with no load. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| | Low | Considerable idling or travel with no load. | -20 | 40 | -4 | 104 | 2 | Utility Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

Lexion 450

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5531-799 | | | | |
| Air | 1 | 207-0744 | - | - |
| 5531-UP | | | | |
| Air | 1 | 209-2001 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 55K1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 5GG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6JK1273-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 8YW1-UP | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |

Lexion 460

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 55K1-900(Engine) | | | | |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 55K830-900(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 5GG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6541-UP | | | | |
| Air | 1 | 209-2001 | - | - |
| Air | 1 | 207-0744 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 6JK584-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 9FW1-461 | | | | |
| Coolant | 1 | 148-0503 | - | - |
| 9FW1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |

Agricultural Tractors

Lexion 460 R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 55K1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 5GG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6651-902 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 207-0744 | - | - |
| 6651-UP | | | | |
| Air | 1 | 209-2001 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| BEJ1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Lexion 465

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 3HZ1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Coolant | 1 | 148-0503 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 149-3298 | - | - |
| 55K1-900(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 55K1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 6JK584-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |

Lexion 470

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Lexion 470 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 6JK1353-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 9TW1-UP | | | | |
| Air Primary | 1 | 151-7737 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |

Lexion 470 R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4ZF1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 7651-902 | | | | |
| Air | 1 | 207-0744 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 7651-UP | | | | |
| Air | 1 | 209-2001 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |

Lexion 475 R

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4ZF1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 7671-838 | | | | |
| Air | 1 | 207-0744 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 7671-UP | | | | |
| Air | 1 | 209-2001 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |

Lexion 480

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Agricultural Tractors

Lexion 480 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2BZ1-UP | | | | |
| Coolant | 1 | 148-0503 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 7ZR1170-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 7ZR450-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

Lexion 480 R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 8661-UP | | | | |
| Air | 1 | 209-2001 | - | - |
| Air | 1 | 207-0744 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| BDL1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| JAC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Lexion 485

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 7ZR1116-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 7ZR1170-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 8ZW1-UP | | | | |
| Coolant | 1 | 148-0503 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 149-3298 | - | - |

Lexion 485 R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 8681-UP | | | | |
| Air | 1 | 207-0744 | - | - |
| Air | 1 | 209-2001 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| JAC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

35

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 3HS1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 8DN1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 108-1094 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 8DN549-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 8RD1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Agricultural Tractors

35 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 98Z1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z14982-19756(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z4350-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 9DF1-1055 | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 108-1094 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| ADK1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

45

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1DR1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 108-1094 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1DR1106-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 3BK1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |

45 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4DZ1-2123 | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 108-1094 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4KW1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 98Z1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z14966-19755(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z4350-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| ABF1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

55

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2CC1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 2EJ1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 3SM1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |

Agricultural Tractors

55 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 55K1-649(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 55K1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 55K650-UP(Engine) | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 5DK1-1849 | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 108-1094 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6NN1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 7DM1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Hydraulic | 1 | 108-1094 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 7TZ1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AEN1-UP | | | | |
| Air - Cab Recirculation | 1 | 117-6843 | - | - |
| Air - Cab Vent | 1 | 116-5796 | - | 142-7069 |
| Air - Cab, Charcoal | 1 | 142-7069 | - | 142-7069 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

65B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z32054-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7YC1-UP | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| Power Train | 2 | 9T-1817 | - | - |
| 7YC1117-UP | | | | |
| Air - Cab | 1 | 7X-6023 | - | - |
| Air - Cab | 1 | 7T-8945 | - | - |
| Air - Cab | 1 | 7X-6345 | - | - |
| 7YC2089-UP | | | | |
| Power Train | 1 | 6E-5596 | - | - |

65C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 08Z69250-84539(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z69250-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 08Z84540-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2ZJ1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 6E-6409 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 6E-6407 | - | - |

Agricultural Tractors

65C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| Power Train | 1 | 6E-5596 | - | - |
| 2ZJ500-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |
| 4ZF20127-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

65D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 08Z78500-84539(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z78500-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 08Z84540-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2ZJ1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2ZJ1000-2092 | | | | |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2ZJ1000-UP | | | | |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |
| Hydraulic | 1 | 6E-6409 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 6E-6407 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Power Train | 1 | 6E-5596 | - | - |
| 4ZF20127-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

65E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

65E (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1GM1-UP | | | | |
| Air | 1 | 122-1674 | - | 122-1674 |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |
| Air - Cab UHE | 1 | 139-3204 | - | 139-3204 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 6GS1-UP | | | | |
| Air | 1 | 122-1674 | - | 122-1674 |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab UHE | 1 | 139-3204 | - | 139-3204 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 7ZR575-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 7ZR649-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

70C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z72400-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2YL1-UP | | | | |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 6E-6407 | - | - |

Agricultural Tractors

70C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic | 1 | 6E-6409 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| Power Train | 1 | 6E-5596 | - | - |

75

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 43Z1-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Coolant | 1 | 7E-6014 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4CJ1-UP | | | | |
| Air - Cab | 1 | 7X-6345 | - | - |
| Air - Cab | 1 | 7X-6023 | - | - |
| Air - Cab | 1 | 7T-8945 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 2 | 9T-1817 | - | - |
| 4CJ442-UP | | | | |
| Power Train | 1 | 6E-5596 | - | - |

75C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 43Z490-UP(Engine) | | | | |
| Coolant | 1 | 7E-6014 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4KK1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

75C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 6E-6409 | - | - |
| Hydraulic | 1 | 6E-6407 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| Power Train | 1 | 6E-5596 | - | - |
| 4KK500-UP | | | | |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |

75D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5AR1-UP | | | | |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 6E-6407 | - | - |
| Hydraulic | 1 | 6E-6409 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic | 1 | 6E-5215 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| Power Train | 1 | 6E-5596 | - | - |
| 7ZR1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7ZR662-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

75E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Agricultural Tractors

75E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1HM1-UP | | | | |
| Air | 1 | 122-1674 | - | 122-1674 |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |
| Air - Cab UHE | 1 | 139-3204 | - | 139-3204 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 6HS1-UP | | | | |
| Air | 1 | 122-1674 | - | 122-1674 |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab UHE | 1 | 139-3204 | - | 139-3204 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 7ZR575-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

85C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 43Z720-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Coolant | 1 | 7E-6014 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9TK1-UP | | | | |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic | 1 | 6E-6409 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 6E-6407 | - | - |

85C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| Power Train | 1 | 6E-5596 | - | - |

85D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4GR1-UP | | | | |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 6E-6409 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 6E-6407 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| Power Train | 1 | 6E-5596 | - | - |
| 6AR1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

85E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1NM1-UP | | | | |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |
| Air - Cab UHE | 1 | 139-3204 | - | 139-3204 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |

Agricultural Tractors

85E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 6AR850-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6JS1-UP | | | | |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |
| Air - Cab UHE | 1 | 139-3204 | - | 139-3204 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |

95E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1SM1-UP | | | | |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |
| Air - Cab UHE | 1 | 139-3204 | - | 139-3204 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 6AR850-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6KS1-UP | | | | |
| Air - Cab Recirculation | 1 | 105-4968 | - | 139-3204 |
| Air - Cab UHE | 1 | 139-3204 | - | 139-3204 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |

Agricultural Tractors

95E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |

Articulated Dump Trucks

Coolants

| Cat Recommended Coolants | |
|---|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS•SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|----------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |

{1} Factory Fill Fluid

Oils - Transmission

The product(s) listed below are the Caterpillar preferred product for Powershift Transmissions. For additional options, please consult the Caterpillar Machine Fluids Recommendations Guide (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Powershift Transmissions | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W {1} | -20 | 10 | -4 | 50 |
| | Cat TDTO | SAE 30 | 0 | 50 | 32 | 122 |
| | Cat TDTO TMS | Multi-Grade | -10 | 50 | 14 | 122 |

{1} Factory Fill Fluid

Articulated Dump Trucks

Oils - Hydraulic System

The product(s) listed below are the Caterpillar preferred product for Hoist (Ejector), Steering and Brake System, Brake Control Valve Damper, and Suspension Hydraulic System for E Series II and 700 Series machines. For additional options, please consult the Caterpillar Machine Fluids Recommendations Guide (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Hoist (Ejector), Steering and Brake System, Brake Control Valve Damper, and Suspension Hydraulic System for E Series and 700 Series | Cat TDTO Cold Weather | SAE 0W-20 {2} | -40 | 40 | -40 | 104 |
| | Cat TDTO | SAE 10W {1} {2} | -20 | 50 | -4 | 122 |
| {1} Factory Fill Fluid | | | | | | |
| {2} The maximum allowable oil viscosity at 100°C is 6.6cSt (ASTM D445) | | | | | | |

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Differentials and Final Drives (except E Series II and 7000 Series Articulated Trucks) | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 14 | 50 | 122 |
| Differentials and Final Drives for E Series II and 700 Series Articulated Trucks | Cat TDTO Cold Weather | SAE 0W-20 | -40 | -10 | -40 | 14 |
| | Cat TDTO | SAE 30 | -20 | 15 | -4 | 59 |
| | | SAE 50 {1} | -15 | 40 | 5 | 104 |
| | Cat TDTO TMS | Multi-Grade | -25 | 22 | -13 | 72 |
| Output Transfer Gear for E Series II and 700 Series Articulated Trucks | Cat TDTO Cold Weather | SAE 0W-20 | -40 | -10 | -40 | 14 |
| | Cat TDTO | SAE 30 {1} | -20 | 50 | -4 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Articulated Dump Trucks

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|---|--|------------------------------|-----|-----|-----|----------------|----------------------------|
| | | | ° C | | ° F | | | |
| | | | Min | Max | Min | Max | | |
| Belt Tightener, Drive Shaft Slip Joint, Drive Shaft Spline, Drive Shaft Universal Joint, Fan Drive Pulley, Hoist Control Bellcrank, Hoist Cylinder Bearing, Pump Drive Universal Joint, Rear Axle A-Frame Bearing, Steering Cylinder End, Steering Linkage, Steering Tie Rod and Pin Bearings, Tachometer Drive, Tail Bearings | High | Long haul time with frequent adverse grades. Continuous use on very poorly maintained haul roads with high rolling resistance. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | Medium | Normal load and haul time. Varying load and haul road conditions. Some adverse grades. Some high rolling resistance. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| Low | Large amounts of idling. Short to medium hauls on well maintained level haul roads. Minimum total resistance. | -20 | 40 | -4 | 104 | 2 | Utility Grease | |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

D25C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|-----------------------|----------|-------------|----------|-----------------------|
| 13Z10559-UP(Engine) | | | | | Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | Hydraulic - FR | 1 | 4T-3131 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - | Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9YC1-UP | | | | | | | | | |

D25D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Articulated Dump Trucks

D25D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 13Z18390-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1HK1-UP | | | | |
| Air - Cab Heater | 1 | 9X-4717 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D30C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 13Z10559-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7ZC1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D30D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 13Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3AJ1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

Articulated Dump Trucks

D35-HP

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 3FD1-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D35C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 13Z10559-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2GD1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D40D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 11N1-10707(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 2JJ1-UP | | | | |
| Air - Cab Heater | 1 | 9X-4717 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

Articulated Dump Trucks

D40D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 70V1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V28930-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

D250E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 13Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5TN1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

D250E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 13Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

Articulated Dump Trucks

D250E II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4PS1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D300B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 13Z10559-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4SD1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D300E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 13Z33450-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 7FN1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

Articulated Dump Trucks

D300E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D300E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 13Z39400-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5KS1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D350C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 13Z10559-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 8XC1-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

Articulated Dump Trucks

D350C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - | Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D350D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|-----------------------|----------|-------------|----------|-----------------------|
| 13Z1-UP(Engine) | | | | | Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | Hydraulic - FR | 1 | 4T-3131 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - | Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9RF1-UP | | | | | | | | | |
| Air - Cab Heater | 1 | 9X-4717 | - | - | | | | | |

D350E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|----------------------------|----------|-------------|----------|-----------------------|
| 11N1-16579(Engine) | | | | | 9LR1-419 | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 | Coolant | 1 | 435-5142 | - | - |
| 11N16580-UP(Engine) | | | | | 9LR1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Air - Cab Heater | 1 | 7X-6012 | - | 200-8460 |
| 11N3500-UP(Engine) | | | | | Air - Cab Heater | 1 | 9X-4717 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| 41Z1-UP(Engine) | | | | | Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Engine Oil | 1 | 2U-6391 | - | - |
| Fuel | 1 | 4N-1981 | - | - | Fuel | 1 | 8H-7204 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | | | | | |

Articulated Dump Trucks

D350E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D350E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2XW1-UP | | | | |
| Air - Cab | 1 | 7X-6012 | - | 200-8460 |
| Air - Cab Heater | 1 | 9X-4717 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9AP1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

D400

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 1MD1-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

Articulated Dump Trucks

D400D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 11N1-10707(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 11N1-15937(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 11N1-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 70V28930-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 8TF1-UP | | | | |
| Air - Cab Heater | 1 | 9X-4717 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D400E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2YR1-685 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 2YR1-UP | | | | |
| Air - Cab | 1 | 7X-6012 | - | 200-8460 |
| Air - Cab Heater | 1 | 9X-4717 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 2U-6391 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 41Z1-13325(Engine) | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 41Z13657-UP(Engine) | | | | |
| Fuel | 1 | 4N-1981 | - | - |

Articulated Dump Trucks

D400E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 8PS1-UP | | | | |
| Air - Cab | 1 | 7X-6012 | - | 200-8460 |
| Air - Cab Heater | 1 | 9X-4717 | - | - |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| Air Secondary | 1 | 123-6856 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9AP1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| APF1-UP | | | | |
| Air - Cab | 1 | 7X-6012 | - | 200-8460 |
| Air - Cab Heater | 1 | 9X-4717 | - | - |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| Air Secondary | 1 | 123-6856 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

725

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| 3PD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 4TY500-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 9PY500-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| AFX1-1178 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| AFX1-UP | | | | |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |

Articulated Dump Trucks

725 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-5540 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| AFX1179-UP | | | | |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| AFX1583-UP | | | | |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| B1L1-1785 | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| B1L1-504 | | | | |
| Engine Oil | 1 | 196-5540 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| B1L1-711 | | | | |
| Air - Cab | 1 | 174-8145 | - | - |
| B1L1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| B1L1786-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| B1L470-711 | | | | |
| Air - Cab | 1 | 233-8359 | - | 233-8359 |
| B1L505-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| DWW1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| DWW976-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| JRH1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| MJA1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| RSX1-1762(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| RSX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TXE1424-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| WWA1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

730

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Articulated Dump Trucks

730 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| 4ZY500-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 5ED1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 9SY500-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| AGF1-1091 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| AGF1-UP | | | | |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-5540 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| AGF1092-UP | | | | |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| AGF1492-UP | | | | |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| B1M1-1674 | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| B1M1-391 | | | | |
| Engine Oil | 1 | 196-5540 | - | - |
| B1M1-410 | | | | |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| B1M1-630 | | | | |
| Air - Cab | 1 | 174-8145 | - | - |
| B1M1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| B1M1675-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| B1M379-630 | | | | |
| Air - Cab | 1 | 233-8359 | - | 233-8359 |
| B1M411-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| B1W1-184 | | | | |
| Engine Oil | 1 | 196-5540 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| B1W1-196 | | | | |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| B1W1-298 | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| B1W1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| B1W179-196 | | | | |
| Air - Cab | 1 | 233-8359 | - | 233-8359 |
| B1W185-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| B1W299-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

Articulated Dump Trucks

730 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| DNN1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| DNN970-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| JRH1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| KYP1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| MTA1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| RSX1-1762(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| RSX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| TXE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| WWB1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

735

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| 6LY500-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| AWR1-UP | | | | |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil | 1 | 196-5540 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| AWR857-UP | | | | |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |

Articulated Dump Trucks

735 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| B1N1-1011 | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| B1N1-320 | | | | |
| Engine Oil | 1 | 196-5540 | - | - |
| B1N1-436 | | | | |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| B1N1-617 | | | | |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| B1N1-704 | | | | |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| B1N1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Precleaner | 1 | 278-7725 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| B1N1012-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| B1N303-436 | | | | |
| Air - Cab | 1 | 233-8359 | - | 233-8359 |
| B1N618-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| B1N880-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| BET1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BJC500-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| JMC1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| JTA1-827(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| JTA828-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| JTK1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| LHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| WWC1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Precleaner | 1 | 278-7725 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

Articulated Dump Trucks

735 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

740

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| AXM1-1796 | | | | |
| Engine Oil | 1 | 196-5540 | - | - |
| AXM1-226 | | | | |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| AXM1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| AZZ1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 174-8145 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil | 1 | 196-5540 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| B1P1-1073 | | | | |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| B1P1-1516 | | | | |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| B1P1-2881 | | | | |

Articulated Dump Trucks

740 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| B1P1-621 | | | | |
| Engine Oil | 1 | 196-5540 | - | - |
| B1P1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Precleaner | 1 | 278-7725 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| B1P1517-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| B1P2882-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| B1P553-1073 | | | | |
| Air - Cab | 1 | 233-8359 | - | 233-8359 |
| B1R1-193 | | | | |
| Engine Oil | 1 | 196-5540 | - | - |
| B1R1-219 | | | | |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| B1R1-255 | | | | |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| B1R1-369 | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| B1R1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Precleaner | 1 | 278-7725 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| B1R188-219 | | | | |
| Air - Cab | 1 | 233-8359 | - | 233-8359 |
| B1R256-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| B1R370-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| BET1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| DTX1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

Articulated Dump Trucks

740 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| WWD1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Precleaner | 1 | 278-7725 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 2 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Asphalt Pavers

Oils - Hydraulic Systems

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmission

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Powershift Transmissions | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W {1} | -20 | 10 | -4 | 50 |
| | Cat TDTO | SAE 30 | 0 | 35 | 32 | 95 |
| | Cat TDTO | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-Grade | -15 | 43 | 5 | 110 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Special Applications

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---------------------|------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Auger and Conveyors | Cat GO | SAE 80W-90 | -20 | 40 | -4 | 104 |
| | Cat GO | SAE 85W-140 | -10 | 50 | 14 | 122 |
| | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |

{1} Factory Fill Fluid

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|---|---------------------------------------|---|---------------------------|-----|-----|-----|------------|----------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Track Takeup Linkage, Takeup Idler Bearings | High | Wide width, deep lift paving. | -15 | 50 | +5 | 122 | 2 | Extreme Application Grease |
| | Medium | 3-4 m (10'-12') width, 50-75 mm (2"-3") lift. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| | Low | Narrow width paving - low production. | -20 | 40 | -4 | 104 | 2 | Utility Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

AP-200B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|-------------|----------|-------------|----------|-----------------------|
| 2NK1-UP | | | | | Fuel | 1 | 1G-7206 | - | - |
| Air | 1 | 1G-7197 | - | - | Fuel | 1 | 081-3242 | - | - |
| Engine Oil | 1 | 081-2684 | - | - | Hydraulic | 1 | 077-3058 | - | - |

AP300

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Asphalt Pavers

AP300 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| B2Y1-UP | | | | |
| Air Primary | 1 | 294-2520 | - | - |
| Air Secondary | 1 | 294-2519 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

AP600D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| TFM1-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 281-4256 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 255-1193 | - | - |
| TFZ1-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 255-1193 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 281-4256 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |

AP-650B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK59985-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

AP-650B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-21159(Engine) | | | | |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| 9DN1-UP | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 9DN491-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 151-2409 | - | - |
| A7P1-UP | | | | |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| CRS2700-UP(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

AP-655C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| AYP1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 201-0875 | 201-0875 | 223-7810 |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CDG1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 201-0875 | 201-0875 | 223-7810 |
| Hydraulic - UHE | 1 | 077-5479 | - | 077-5479 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CDG310-UP | | | | |

Asphalt Pavers

AP-655C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| CPT1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 145-4501 | - | - |

AP655D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| GNN1-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 255-1193 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 281-4256 | - | - |
| GNZ1-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 176-9415 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 255-1193 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 281-4256 | - | - |
| MAN1-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 255-1193 | - | - |
| Hydraulic | 1 | 281-4256 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| MAT1-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 281-4256 | - | - |
| Hydraulic | 1 | 255-1193 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |

AP-800B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 1BF1-266 | | | | |
| Engine Oil | 1 | 9N-9546 | - | - |
| Filter | 1 | 081-7001 | - | - |
| Hydraulic | 1 | 8C-0292 | - | - |
| Hydraulic | 1 | 8T-7478 | - | - |
| Hydraulic | 1 | 8T-7479 | - | - |
| 1BF1-UP | | | | |
| Air Secondary | 1 | 100-6848 | - | - |
| Engine Oil | 1 | 033-7848 | - | - |
| 2LF170-175 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 9X-0939 | - | - |
| Hydraulic | 1 | 077-5795 | - | - |
| 2NF119-131 | | | | |
| Fuel | 1 | 9X-0939 | - | - |
| Hydraulic | 1 | 077-5795 | - | - |
| 2PF93-99 | | | | |
| Fuel | 1 | 9X-0939 | - | - |
| Hydraulic | 1 | 077-5795 | - | - |
| 2SF90-92 | | | | |
| Fuel | 1 | 9X-0939 | - | - |
| Hydraulic | 1 | 077-5795 | - | - |

AP-800C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 1PM1-UP | | | | |
| Air Primary | 1 | 102-9387 | - | - |
| Air Primary | 1 | 102-9388 | - | - |
| Engine Oil | 1 | 102-8972 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 1PM790-UP | | | | |
| Hydraulic | 1 | 7X-5312 | - | - |
| 1PM792-UP | | | | |
| Hydraulic | 1 | 176-9415 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

Asphalt Pavers

AP-800D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| A5P1-151 | | | | |
| Fuel | 1 | 119-0073 | - | - |
| A5P1-UP | | | | |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 7X-5312 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| A5P202-UP | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

AP-900B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 98Z31739-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| AGJ1-152 | | | | |
| Engine Oil | 1 | 102-8972 | - | - |
| AGJ1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| AGJ153-UP | | | | |
| Hydraulic | 1 | 7X-5312 | - | - |

AP-1000

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

AP-1000 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 1HD1-44 | | | | |
| Hydraulic | 1 | 054-1719 | - | - |
| 1HD1-57 | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 1HD1-97 | | | | |
| Hydraulic | 1 | 8T-7478 | - | - |
| 1HD1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Filter | 1 | 081-7001 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Power Train | 1 | 9T-1817 | - | - |
| 1HD45-UP | | | | |
| Hydraulic - UHE | 1 | 077-5479 | - | 077-5479 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2WG1242-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z1-2999(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z16010-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z3000-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

AP-1000B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4TF84000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 7HN1-311 | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 7HN1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 7HN254-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| 7HN312-UP | | | | |
| Fuel | 1 | 119-0073 | - | - |
| 98Z16051-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

Asphalt Pavers

AP-1000B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z30400-UP(Engine) | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| AGP1-175 | | | | |
| Fuel | 1 | 119-0073 | - | - |
| AGP1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

AP-1000D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| EAD1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

AP-1050

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 1JG1-110 | | | | |
| Hydraulic | 1 | 054-1719 | - | - |
| 1JG1-90 | | | | |
| Hydraulic | 1 | 8T-7479 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1JG1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |

AP-1050 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Filter | 1 | 081-7001 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 1JG111-UP | | | | |
| Hydraulic - UHE | 1 | 077-5479 | - | 077-5479 |
| 1JG126-UP | | | | |
| Fuel | 1 | 119-0073 | - | - |
| 1JG63-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| 1JG91-UP | | | | |
| Hydraulic | 1 | 117-9900 | - | 117-9900 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2WG1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z1-4237(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z4238-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

AP-1050B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 6ZN1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 6ZN195-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2504 | - | - |
| 98Z1135-16275(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z1135-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z16276-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z30400-UP(Engine) | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |

Asphalt Pavers

AP-1055B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 4TF84000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 8BM1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil | 1 | 102-8972 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 8BM167-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| 98Z1135-16275(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z1135-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z16267-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 98Z16276-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 98Z30400-UP(Engine) | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| A3P1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 2 | 7X-5312 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| ABB1-205 | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| ABB1-535 | | | | |
| Engine Oil | 1 | 102-8972 | - | - |
| ABB1-UP | | | | |
| Fuel | 1 | 119-0073 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| ABB206-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| ABB536-UP | | | | |
| Hydraulic | 2 | 7X-5312 | - | - |

AP-1055D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| A6P1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| FAC1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

BG600D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| B6K1-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 176-9415 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 255-1193 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 281-4256 | - | - |
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |

BG-225C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Asphalt Pavers

BG-225C (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5GN1-UP | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 5GN504-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 5HK59985-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-21159(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| B6G1-UP | | | | |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CRS2700-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

BG-230

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9AL1-UP | | | | |
| Air Primary | 1 | 102-9388 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 102-9387 | - | - |
| Engine Oil | 1 | 102-8972 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 9AL280-UP | | | | |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 7X-5312 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |

BG-230D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| B4G1-UP | | | | |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 7X-5312 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

BG-240C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 98Z31739-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| AGL1-232 | | | | |
| Engine Oil | 1 | 102-8972 | - | - |
| AGL1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| AGL233-UP | | | | |
| Hydraulic | 1 | 7X-5312 | - | - |

BG-245C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Asphalt Pavers

BG-245C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 4XN1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 4XN110-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2504 | - | - |
| 98Z1135-16275(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z1135-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z16276-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z30400-UP(Engine) | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |

BG-260C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4TF84000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 8GN1-576 | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 8GN1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 8GN548-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| 8GN577-UP | | | | |
| Fuel | 1 | 119-0073 | - | - |
| 98Z16051-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z30400-UP(Engine) | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| BYG1-204 | | | | |
| Fuel | 1 | 119-0073 | - | - |
| BYG1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |

BG-260C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

BG-260D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| BPW1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

BG-650

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| 9EK1-UP | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 138-3096 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |

Asphalt Pavers

BG-2255C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CKR1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 201-0875 | 201-0875 | 223-7810 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CPT1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |

BG-2455C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 4TF84000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6TN1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil | 1 | 102-8972 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 98Z1135-16275(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 98Z1135-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z16276-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z30400-UP(Engine) | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| ACM1-252 | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| ACM1-281 | | | | |
| Engine Oil | 1 | 102-8972 | - | - |
| ACM1-UP | | | | |
| Fuel | 1 | 119-0073 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |

BG-2455C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| ACM253-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| ACM282-UP | | | | |
| Hydraulic | 2 | 7X-5312 | - | - |
| B2G1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Hydraulic | 1 | 123-2873 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 077-3492 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 2 | 7X-5312 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

BG-2455D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| BNW1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BXW1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel | 1 | 119-0073 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Backhoe Loaders

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Hydraulic Systems for Side Shift Backhoe Loaders | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 |
| | Cat HYDO Adv 10 | SAE 10W {1} | -20 | 50 | -4 | 122 |
| | Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 |
| | Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 |
| | Cat Bio HYDO Adv | Bio HYDO | -20 | 40 | -4 | 104 |
| | Cat MTO | SAE 10W-30 | -20 | 40 | -4 | 104 |
| | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| | Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 |
| | Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 |
| | Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 |
| | Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | |
| Brake Reservoir | Cat HYDO Adv 10 | SAE 10W {1} | -20 | 50 | -4 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Front Axle Differentials Final Drives for A, B, C, D (only D with ZF axles) | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 84W-140 | -10 | 50 | 14 | 122 |
| | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| Front All Wheel Drive Axle Final Drivers for D Series (with Cat front axle), E Series, and F Series | Cat TDTO Cold Weather | SAE 0W-20 | | | | |
| | Cat TDTO | SAE 10W | | | | |
| | | SAE 30 | | | | |
| | | SAE 50 | | | | |
| Cat TDTO TMS | Multi-Grade | | | | | |
| {1} Factory Fill Fluid | | | | | | |

Oils - Transmission

The product(s) listed below are Caterpillar preferred product. For additional options, please consult Caterpillar Machine Fluids Recommendations (SEBU6250)

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Direct Drive Transmissions Powershift Transmissions | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 35 | -40 | 95 |

Backhoe Loaders

Oils - Transmission (Cont'd.)

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|-------------|--------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| | Cat TDTO | SAE 10W {1} | -20 | 35 | -4 | 95 |
| | Cat TDTO | SAE 30 | 25 | 50 | 77 | 122 |
| | Cat TDTO TMS | Multi-Grade | 10 | 50 | 50 | 122 |

{1} Factory Fill Fluid

Oils - Fixed Rear Axle

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Backhoe Loader Series | Brake Disc Part Number | 197-0017 Additive Volume | Oil Type | Viscosity Grade | °C | | °F | |
|--|------------------------|--------------------------|-------------|-----------------|-----|-----|-----|-----|
| | | | | | Min | Max | Min | Max |
| B, C, D Series | 133-7234 {1} | 1 L (1.1 qt) {2} | Cat TDTO 30 | SAE 30 | -25 | 40 | -13 | 104 |
| | 230-4017 | 150 mL (5.1 oz) {3} | | | | | | |
| 416E, 420E, 422E, 428E, 430E, 432E, 434E, 442E, 444E | 238-5291 | 500 mL (17.0 oz) {4} | | | | | | |
| 450E | 288-7303 | 200 mL (6.8 oz) {5} | | | | | | |

{1} Cat MTO or M2C 134-D can be used with 133-7234 brake disks.
 {2} The maximum amount of 197-0017 additive for this brake is 2 L (2.1 qt).
 {3} The maximum amount of 197-0017 additive for this brake is 300 mL (10.2 oz).
 {4} The maximum amount of 197-0017 additive for this brake is 550 mL (18.7 oz).
 {5} The maximum amount of 197-0017 additive for this brake is 250 mL (8.5 oz).

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|---|--|---|---------------------------|-----|-----|-----|--------------------------|-------------------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Drive Shaft Spline, Kingpin Bearing, Universal Joint, Wheel Bearing | High | Production work with long cycles and/or constant flow implements. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| Medium | General work with regular cycles in medium applications. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease | |
| Low | Utility work with intermittent cycles in light to medium applications. | -20 | 40 | -4 | 104 | 2 | Utility Grease | |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

414E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| ELB1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| TMS1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

416

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 5PC1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 5PC10762-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| 5PC2263-UP | | | | |
| Engine Oil | 1 | 4T-7948 | - | - |

416 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Backhoe Loaders

416 II (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 5PC1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 5PC10762-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| 5PC2263-UP | | | | |
| Engine Oil | 1 | 4T-7948 | - | - |

416B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 8SG1-11999 | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 8SG1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 8ZK1-5999 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| 8ZK1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 8ZK8961-UP | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

416C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 1WR1-2946 | | | | |
| Hydraulic | 1 | 6E-5215 | - | - |
| 1WR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 1XR1-683 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| 1XR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 4ZN1-5634 | | | | |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 4ZN1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| 5HK35900-UP(Engine) | | | | |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5YN1-3799 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| 5YN1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

Backhoe Loaders

416D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7SG1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| B2D1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| BFP1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| BFP12900-UP | | | | |
| Air Primary | 1 | 227-7448 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| BGJ1-1049 | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| BGJ1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BKG1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |

416D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BKG1300-UP | | | | |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| CHW1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| CKN1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| CRS1-UP(Engine) | | | | |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| CXP1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| G4D1-UP(Engine) | | | | |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |

416E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| BWC1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |

Backhoe Loaders

416E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| CBD1-7445 | | | | |
| Fuel - FWS | 1 | 228-9130 | - | - |
| CBD1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| CBD7446-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| LMS1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| MFG1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic UHE | 1 | 362-1163 | - | 362-1163 |
| MFG6001-UP | | | | |
| Filter-Oil | 1 | 447-6968 | - | - |
| SHA1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Primary | 1 | 227-7448 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

420D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

420D (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7BJ1-UP(Engine) | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ19000-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| BKC1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BKC502-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| BKC920-UP | | | | |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| BLN1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| BLN10300-UP | | | | |
| Air Primary | 1 | 227-7448 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| BLN12986-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |
| BMC1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BMC1060-UP | | | | |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| BMC611-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| C2C1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| C2L1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |

Backhoe Loaders

420D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| C4T1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| C4Y1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| C8A1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| CRS1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| FDP1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| FDP18400-UP | | | | |
| Air Primary | 1 | 227-7448 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| FDP25538-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |
| MBH1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 227-7448 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |

420E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Backhoe Loaders

420E (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| C4E1-UP(Engine) | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| DAN1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| DJL1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| G9F1-UP(Engine) | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| GAN1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| GEK1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| HLS1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Primary | 1 | 227-7448 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| HLS7843-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |
| KMW1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 227-7448 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| KMW3124-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |

Backhoe Loaders

420E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| PHC1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| PRA1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

422E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| DSK1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| HBE1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| MAW1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

Backhoe Loaders

422E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| MAW699-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Element-Water Separator | 1 | 361-9554 | - | - |

424D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 7SG1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| BGP1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| BKR1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| CJZ1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| RXA1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| S3G1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

Backhoe Loaders

424D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| S5A1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

426

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 7BC1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 7BC3477-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| 7BC479-UP | | | | |
| Engine Oil | 1 | 4T-7948 | - | - |

426 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 7BC1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 7BC3477-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| 7BC479-UP | | | | |
| Engine Oil | 1 | 4T-7948 | - | - |

426B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5YJ1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 6KL1-UP | | | | |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 6E-5215 | - | - |
| 6KL1200-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 6KL2199-UP | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

426C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1CR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 1ER1-363 | | | | |

Backhoe Loaders

426C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 9R-5896 | - | - |
| 1ER1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 1MR1-260 | | | | |
| Air Primary | 1 | 104-6040 | - | - |
| 1MR1-291 | | | | |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 1MR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 1NR1-453 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| 1NR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 1YR1-263 | | | | |
| Air Primary | 1 | 104-6040 | - | - |
| 1YR1-456 | | | | |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 1YR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 1ZR1-425 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| 1ZR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 5HK1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5HK35900-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| 6XN1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |

426C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 6XN1245-UP | | | | |
| Fuel | 1 | 138-3096 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7WN1-438 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| 7WN1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

428

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 6TC1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 6TC358-UP | | | | |
| Engine Oil | 1 | 4T-7948 | - | - |
| 6TC6564-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |

428 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Backhoe Loaders

428 II (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 6TC1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 6TC358-UP | | | | |
| Engine Oil | 1 | 4T-7948 | - | - |
| 6TC6564-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |

428B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7EJ1-5999 | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7EJ1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

428C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

428C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 1HR1-402 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| 1HR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 1HR402-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 2CR1-1049 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| 2CR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 2CR423-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK35000-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 8RN1-1628 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| 8RN1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 8RN1629-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

428D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Backhoe Loaders

428D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| BLL1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BLL651-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| BMT1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BMT1618-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| BNB1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| BNB700-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| BNS1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BNS1118-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| BXC1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| CRS1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| DSX1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |

428D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| MBM1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| S7C1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| S9D1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

428D NF

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7BJ19000-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ67008-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| S1K1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| S3N1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

Backhoe Loaders

428E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CRS59947-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| DPH1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| DPH1384-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |
| DXC1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| SNL1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| SNL4225-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |

430D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7BJ19000-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| BML1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |

430D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BML2281-UP | | | | |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| BML4800-UP | | | | |
| Air Primary | 1 | 227-7448 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| BNK1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| BNK5900-UP | | | | |
| Air Primary | 1 | 227-7448 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| C3J1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| C7E1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| C9P1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

430E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| C4E1-UP(Engine) | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| CRS1-1238(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| DDT1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |

Backhoe Loaders

430E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Primary | 1 | 227-7448 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 211-1026 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| DDT883-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |
| EAT1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 227-7448 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 211-1026 | - | - |
| EAT1404-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| MXB1-UP | | | | |
| Air | 1 | 278-8276 | - | - |
| Air | 1 | 278-8275 | - | - |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| RLN1-UP | | | | |
| Air | 1 | 278-8275 | - | - |
| Air | 1 | 278-8276 | - | - |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| SCD1-UP | | | | |
| Air | 1 | 278-8276 | - | - |
| Air | 1 | 278-8275 | - | - |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| SWC1-UP | | | | |
| Air | 1 | 278-8275 | - | - |
| Air | 1 | 278-8276 | - | - |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |

432D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7BJ1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ19000-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| BLD1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BLD1595-UP | | | | |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| CRS1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| S6B1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| S6H1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| TDR1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| WEP1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

Backhoe Loaders

432E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| BXE1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| JBA1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| JBA967-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |
| RXS1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

434E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| FSH1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |

434E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| SEF1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| SEF186-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| SJL1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| SJL268-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |
| SXB1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

436

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 5KF1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |

Backhoe Loaders

436 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 5KF806-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |

436 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 5KF1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 4W-6691 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 5KF806-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |

436B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK25600-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 6MJ1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |

436B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 6MJ800-UP | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| 7FL1-599 | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| 7FL1-UP | | | | |
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 7FL600-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| 7FL901-UP | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

436C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 1FR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 1PR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 1RR1-497 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| 1RR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

Backhoe Loaders

436C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 2AR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 2BR1-410 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| 2BR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 5HK35900-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 8TN1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 9JN1-383 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| 9JN1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

438

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 3DJ1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 4W-6691 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 3DJ828-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |

438 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 3DJ1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary | 1 | 8N-5504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 4W-6691 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 3DJ828-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |

438B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 3KK1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 8N-5504 | - | - |
| Air Secondary | 1 | 4W-6691 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |

Backhoe Loaders

438B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 3KK3000-UP | | | | |
| Hydraulic | 1 | 6E-5215 | - | - |
| 3KK800-UP | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |
| 5HK25600-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

438C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 1JR1-606 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 1JR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 1TR1-782 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| 1TR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Primary | 1 | 110-6326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 2DR1-1049 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 2DR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

438C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 5HK35000-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9KN1-560 | | | | |
| Fuel | 1 | 9R-5896 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 9KN1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 104-6040 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

438D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7BJ19000-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| BPE1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BPE664-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| BPN1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BPN476-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| S8J1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |

Backhoe Loaders

438D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| S8M1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

442D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7BJ19000-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| BRG1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BRG828-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| BRY1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| BRY747-UP | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| CRS1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| S4R1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| S4T1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |

442D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| SMJ1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| TBD1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

442E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CRS59947-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| EME1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| EME545-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |
| GKZ1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| PCR1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |

Backhoe Loaders

442E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

444E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CRS59947-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| HXB1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| LBE1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Element-Water Separator | 1 | 361-9554 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| NBA1-UP | | | | |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| NBA180-UP | | | | |
| Element-Water Separator | 1 | 361-9554 | - | - |

446

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 2FG1-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3NE1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6XF-UP | | | | |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 6XF1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary-Radial Seal | 1 | 7W-3920 | - | - |
| Air Secondary | 1 | 7C-1062 | - | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

446B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 1EY1-UP(Transmission) | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1FY1-UP(Transmission) | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1ZY1-UP(Transmission) | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2AY1-UP(Transmission) | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2FG6229-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Engine Oil | 1 | 7C-0896 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 3NE1-UP(Transmission) | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4RR1-1190(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4RR1-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| 4RR1191-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 5BL1-1499 | | | | |

Backhoe Loaders

446B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 7C-4949 | - | - |
| 5BL1-1507 | | | | |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 5BL1-1676 | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 5BL1-UP | | | | |
| Air - Cab | 1 | 7T-3519 | - | - |
| Air - Cab Recirculation | 1 | 7T-3549 | - | - |
| Air Primary-Radial Seal | 1 | 7W-3920 | - | - |
| Air Secondary | 1 | 7C-1062 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| 5BL1500-UP | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 117-4089 | - | - |
| 5BL2500-UP | | | | |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| 5BL919-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 8JX1-UP(Transmission) | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 97Z1-3460(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 97Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Engine Oil | 1 | 7C-0896 | - | - |
| 97Z3461-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

446D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2FG7200-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| DBL1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab Recirculation | 1 | 206-7514 | - | - |
| Air Primary | 1 | 108-0671 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 7W-3920 | - | - |
| Air Secondary | 1 | 7C-1062 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic - FR | 1 | 134-3014 | - | - |

450E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| C4E1-UP(Engine) | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| EBL1-UP | | | | |
| Air | 1 | 278-8275 | - | - |
| Air | 1 | 278-8276 | - | - |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| FILTER AS-HYD | 1 | 465-8903 | - | 465-8903 |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| LYR1-UP | | | | |
| Air | 1 | 278-8275 | - | - |
| Air | 1 | 278-8276 | - | - |
| Air - Cab | 1 | 211-2661 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |
| Hydraulic UHE | 1 | 362-1163 | - | 362-1163 |
| RBA1-UP | | | | |
| Air | 1 | 278-8275 | - | - |
| Air | 1 | 278-8276 | - | - |
| Air - Cab | 1 | 211-2661 | - | - |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 119-4740 | - | 221-1026 |

Cold Planers

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmission

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Powershift Transmissions | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W {1} | -20 | 10 | -4 | 50 |
| | Cat TDTO | SAE 30 | 0 | 35 | 32 | 95 |
| | Cat TDTO | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-Grade | -15 | 43 | 5 | 110 |
| {1} Factory Fill Fluid | | | | | | |

Cold Planers

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|--|---|---------------------------|-----|-----|-----|------------|----------------------------|
| | | | ° C | | ° F | | | |
| | | | Min | Max | Min | Max | | |
| Chain Tensioner, Fan Drive Bearings, Propel Transmission Control Cable, Pump Drive Shaft, Rotor Transmission Shift Linkage, Wheel Hub Bearings | High | 457 mm (18") soil/ 305 mm (12") asphalt. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | Medium | 305 mm (12") soil/ 150 mm (6") asphalt. | -15 | 50 | +5 | 122 | 2 | Prime Application Grease |
| | Low | 150 mm (6") soil/ 100 mm (4") asphalt. | -20 | 40 | -4 | 104 | 2 | Utility Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

PM-200

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| PIC1-UP | | | | |
| Air | 1 | 259-2022 | - | - |
| Air | 1 | 259-2023 | - | - |
| RHX1-1260(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| RHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXH1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

PM-201

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

PM-201 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| PNM1-UP | | | | |
| Air | 1 | 126-5802 | - | - |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Hydraulic | 1 | 274-5706 | - | - |
| Hydraulic | 1 | 1G-5459 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic | 1 | 1G-5377 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| RHX1-1260(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| RHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXH1-292(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| TXH1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

PM-465

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 41Z13657-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 41Z4926-13656(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 41Z4926-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5ZS1-186 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 5ZS1-UP | | | | |
| Air | 1 | 126-5802 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2510 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Hydraulic | 1 | 1G-5459 | - | - |
| Hydraulic | 1 | 1G-5377 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - UHE | 1 | 077-5479 | - | 077-5479 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5ZS146-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 5ZS187-UP | | | | |
| Hydraulic | 1 | 180-3813 | - | - |

Cold Planers

PM-565

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 3TK1-112 | | | | |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Secondary | 1 | 7N-1308 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| 3TK1-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 1G-5459 | - | - |
| Hydraulic | 1 | 1G-5377 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 077-5479 | - | 077-5479 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3TK103-UP | | | | |
| Air | 1 | 126-5802 | - | - |
| 3TK107-UP | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 3TK113-123 | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 48W34817-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

PM-565B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 8GS1-137 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 8GS1-223 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 8GS1-UP | | | | |
| Air | 1 | 126-5802 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 1G-5377 | - | - |
| Hydraulic | 1 | 1G-5459 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 077-5479 | - | 077-5479 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

PM-565B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8GS224-UP | | | | |
| Hydraulic | 1 | 180-3813 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 99C1019-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

PR-450

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 7DC204-363 | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 7DC204-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Air | 1 | 8T-6289 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |

PR-450C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 48W34000-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7PJ1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 8T-6289 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil | 1 | 8C-2982 | - | - |
| Engine Oil | 1 | 8T-3815 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 7PJ60-UP | | | | |
| Air | 1 | 126-5802 | - | - |

Cold Planers

PR-750B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| 38S13236-UP | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8AC1-139 | | | | |
| Engine Oil | 1 | 9N-7834 | - | - |
| Hydraulic | 1 | 8T-7479 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 8T-7478 | - | - |
| 8AC1-UP | | | | |
| Air Primary | 1 | 6N-6071 | - | - |
| Air Secondary | 1 | 6N-6072 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel | 1 | 8H-7204 | - | - |

PR-1000C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 03Z4000-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 03Z7212-UP | | | | |
| Engine Oil | 2 | 1R-0714 | - | - |
| 38S13236-UP | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5XC1-137 | | | | |
| Air Secondary | 1 | 9N-8192 | - | - |
| 5XC1-138 | | | | |
| Engine Oil | 1 | 9N-7834 | - | - |
| 5XC1-UP | | | | |
| Air Primary | 1 | 6N-6071 | - | - |
| Air Secondary | 1 | 6N-6072 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 5XC138-153 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 5XC143-147 | | | | |
| Hydraulic | 1 | 8T-7479 | - | - |
| 5XC143-150 | | | | |
| Hydraulic | 1 | 7R-8233 | - | - |
| 5XC143-UP | | | | |
| Engine Oil | 1 | 7R-8237 | - | - |
| 5XC148-UP | | | | |
| Hydraulic | 1 | 1G-5377 | - | - |
| Hydraulic | 1 | 1G-5459 | - | - |
| 73W1-17719(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 73W1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 79V1-UP(Engine) | | | | |

PR-1000C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 2 | 1R-0714 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Earthmoving Compactors

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Earthmoving Compactors

Oils - Hydraulic Systems

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmission

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Powershift Transmissions | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W {1} | -20 | 10 | -4 | 50 |
| | Cat TDTO | SAE 30 | 0 | 35 | 32 | 95 |
| | Cat TDTO | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-Grade | -15 | 43 | 5 | 110 |
| {1} Factory Fill Fluid | | | | | | |

Earthmoving Compactors

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-------------|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Drive Axles - Med Compactors (815-826 Series) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -25 | 15 | -4 | 59 |
| | | SAE 30 | -20 | 43 | -4 | 95 |
| | | SAE 50 {1} | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -25 | 43 | -13 | 110 |
| Drive Axles - Large Compactors (836 Series) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | -10 | -40 | 14 |
| | Cat TDTO | SAE 10W | -25 | 0 | -4 | 32 |
| | | SAE 30 | -20 | 20 | -4 | 68 |
| | | SAE 50 {1} | 10 | 50 | 50 | 122 |
| | | Cat TDTO TMS | Multi-grade | -25 | 22 | -13 |

{1} Factory Fill Fluid

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|---|---------------------------------------|--|---------------------------|-----|-----|-----|------------|-------------------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Articulation Bearings, Drive Shaft Spline, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Lift Cylinder Yoke Bearing, Steering Shaft, Tilt Cylinder Bearing. | High | Heavy dozing, compacting heavy material. Heavy landfill work. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| | Medium | Production dozing, most push-loading, shovel cleanup, normal compaction. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| | Low | Considerable idling or travel with no load. | -20 | 40 | -4 | 104 | 2 | Utility Grease |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

815B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Earthmoving Compactors

815B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 08Z25425-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 08Z3945-25424(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 08Z3945-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 17Z1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 2 | 9J-5461 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 17Z1133-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| 17Z464-UP | | | | |
| Power Train | 1 | 6P-4603 | - | - |
| 17Z809-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| KHX9820-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TX71-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

815F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1GN1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

Earthmoving Compactors

815F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2BS1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3PD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| BK11-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

816B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 08Z25425-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 08Z3945-25424(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 08Z3945-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 15Z1-1335 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 15Z1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |

Earthmoving Compactors

816B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 2 | 9J-5461 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 15Z339-UP | | | | |
| Power Train | 1 | 6P-4603 | - | - |
| 15Z989-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |

816F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3PD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 5FN1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| BMR1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Earthmoving Compactors

816F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Transmission | 1 | 343-4464 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

825C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 11N1-6369(Engine) | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V14495-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 70V14539-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V16376-UP(Engine) | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 70V27199-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 86X1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 86X430-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 86X647-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 86X731-UP | | | | |
| Hydraulic | 2 | 9J-5461 | - | - |
| Transmission | 1 | 343-4464 | - | - |
| BKN1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| LHX15363-UP(Engine) | | | | |

Earthmoving Compactors

825C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG2726-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

825G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 41Z212-2418(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 41Z212-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6RN1-278 | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 6RN1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6RN279-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| TXC780-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

825G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Earthmoving Compactors

825G II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| AXB1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| BKN1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

825H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| AZW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| AZW317-UP | | | | |
| Transmission | 1 | 343-4465 | - | - |
| LHX1-17628(Engine) | | | | |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 457-1527 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG108-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 457-1527 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| ZHC1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

Earthmoving Compactors

826C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 11N1-4039(Engine) | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V14495-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 70V14542-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V16376-UP(Engine) | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 70V27199-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 87X1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 87X1456-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 87X183-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 87X464-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 87X561-UP | | | | |
| Hydraulic | 2 | 9J-5461 | - | - |
| 87X587-UP | | | | |
| Transmission | 1 | 343-4464 | - | - |
| A5N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| A5Y1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BKN1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| LHX15363-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG2726-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |

Earthmoving Compactors

826C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - | Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

826G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|----------------------------|----------|-------------|----------|-----------------------|
| 41Z1-UP(Engine) | | | | | Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Filter | 1 | 108-5959 | - | - | Hydraulic - FR | 1 | 4T-3131 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Power Train | 1 | 6P-4603 | - | - |
| 41Z212-2418(Engine) | | | | | Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Coolant | 1 | 435-5142 | - | - | 7LN171-UP | | | | |
| 7LN1-170 | | | | | Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 | Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - | TXC1-UP(Engine) | | | | |
| 7LN1-UP | | | | | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Air - Cab | 1 | 112-7448 | - | 175-2838 | Filter | 1 | 108-5959 | - | - |
| Air - Cab | 1 | 107-0266 | - | - | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | | | | | |
| Filter | 1 | 108-5959 | - | - | | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | | | | | |

826G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Earthmoving Compactors

826G II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| AYH1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| BKN1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

826H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| AWF1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Precleaner | 1 | 258-6614 | - | - |
| AWF304-UP | | | | |
| Precleaner Ar-Cab Air | 1 | 2Q-8654 | - | - |
| AWF638-UP | | | | |
| Transmission | 1 | 343-4465 | - | - |
| LHX1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 457-1527 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG108-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 457-1527 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| ZXT1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |

Earthmoving Compactors

826H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 | Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

836

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|----------------------------|----------|-------------|----------|-----------------------|
| 3RL1-UP | | | | | Air - Cab Recirculation | 2 | 6P-1319 | - | - |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 | Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air - Cab Recirculation | 2 | 6P-1319 | - | - | Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - | Power Train | 1 | 6P-4603 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 | 7FR264-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 | Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - | Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Power Train | 1 | 6P-4603 | - | - | Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 | Hydraulic - FR | 1 | 4T-3131 | - | - |
| 48W35200-UP(Engine) | | | | | Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Engine Oil | 1 | 4N-1409 | - | - | 99C1500-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 | Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7FR1-UP | | | | | | | | | |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 | | | | | |

836G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Earthmoving Compactors

836G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 7MZ1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7RC1-1499(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 7RC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| BNT1-10128(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| BNT1-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BNT10129-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| BRL1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

836H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| BXD1-429 | | | | |
| Engine Oil | 1 | 115-2129 | - | - |
| BXD1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 457-1527 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Precleaner | 1 | 258-6614 | - | - |
| BXD1000-UP | | | | |
| Fuel | 1 | 222-6713 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Transmission | 1 | 337-5270 | - | - |

Earthmoving Compactors

836H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| BXD430-999 | | | | |
| Hydraulic | 1 | 126-1816 | - | 126-1816 |
| RHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXH1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| XTR1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic | 1 | 126-1816 | - | 126-1816 |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Precleaner | 1 | 258-6614 | - | - |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase (All Excavators Including Mini-Hex)

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Excavators

Oils - Hydraulic System (All Excavators Including Mini-Hex)

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Final Drives/Differentials (All Excavators but Mini Hex)

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Final Drives and Swing Drives for small, medium and large models and Final Drives for 307 and 308 mini excavators | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 {1} | -30 | 35 | -22 | 95 |
| | | SAE 50 | -15 | 50 | 5 | 122 |
| | Cat TDTO TMS | Multi-grade | -25 | 25 | -13 | 77 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Undercarriage

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Track Roller Frame Recoil Spring and Pivot Shaft Bearings | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 {1} | -20 | 25 | -4 | 77 |
| | | SAE 50 | 0 | 50 | 32 | 122 |
| | Cat TDTO TMS | Multi-grade | -25 | 25 | -13 | 77 |
| Track Idlers and Track Rollers | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| | Cat DEO / DEO-ULS | SAE 15W-40 {1} | -10 | 50 | 14 | 122 |
| | Cat FDAO SYN | Multi-grade | -30 | 50 | -22 | 122 |

{1} Factory Fill Fluid

Oils - Mini Hex

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Track Roller Frame Recoil Spring and Pivot Shaft Bearings | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 {1} | -20 | 25 | -4 | 77 |
| | | SAE 50 | 0 | 50 | 32 | 122 |
| | Cat TDTO TMS | Multi-grade | -25 | 25 | -13 | 77 |

{1} Factory Fill Fluid

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|--|---|--|-----|-----|-----|--------------------------|-------------------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Axle Bearings, Belt Tensioner, Blade Linkage, Boom and Stick Linkage, Boom Cylinder Bearing, Boom Cylinder Head, Cab Riser, Drive Shaft Support Bearing, Fan Drive Bearing, Steering Linkage, Stick Linkage, Swing Bearings, Swing Drive Gear, Swing Frame | High | Most pipeline applications in hard rocky material. Digging 90-95% of the daily work schedule. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| Medium | Most residential sewer applications in natural bed clay. Digging 60-85% of the daily work schedule. Most log loading applications. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease | |
| | | Low | Most utility, urban applications in sandy loam. Digging less than 50% of the daily work schedule. Scrap handling applications. | -20 | 40 | -4 | 104 | 2 |

Excavators

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

M312

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK25500-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 6TL1-409 | | | | |
| Hydraulic | 1 | 109-7293 | - | - |
| Hydraulic | 1 | 123-0177 | - | - |
| 6TL1-UP | | | | |
| Air - Cab | 1 | 145-4086 | - | - |
| Air - Cab | 1 | 145-4088 | - | - |
| Air - Cab Recirculation | 2 | 122-5873 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

M313C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| BDR1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Hydraulic | 1 | 229-2800 | - | - |

M313C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 8U-0723 | - | - |
| BDR215-UP | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| CRX1-1016(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| CRX1-4709(Engine) | | | | |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| CRX4710-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| H2A1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |

M313D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C4E1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| J3A1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| K3D1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 252-5001 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| W3H1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |

Excavators

M313D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| W3H5000-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |

M315

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK22000-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7ML1-859 | | | | |
| Hydraulic | 1 | 109-7293 | - | - |
| Hydraulic | 1 | 123-0177 | - | - |
| 7ML1-UP | | | | |
| Air - Cab | 1 | 145-4088 | - | - |
| Air - Cab | 1 | 145-4086 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 122-5873 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

M315C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| BDM1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 222-9020 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 222-9021 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |

M315C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| BDM425-UP | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| CRX1-1016(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| CRX1-4709(Engine) | | | | |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| CRX4710-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| H2B1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |

M315D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C4E1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| J5B1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| K5E1-UP | | | | |
| Air | 1 | 293-1137 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| W5M1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| ELEMENT-HYD | 1 | 361-7480 | - | - |

Excavators

M315D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| W5M5000-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |

M316C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| BDX1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| CPT1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 145-4501 | - | - |
| H2C1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |

M316D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |

M316D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| D6W1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| P6K1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 256-7903 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| W6A1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |

M318

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 4TF14681-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF30737-48995(Engine) | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4TF48996-UP(Engine) | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 6ES1-226 | | | | |
| Air | 1 | 8U-6669 | - | - |
| 6ES1-228 | | | | |
| Hydraulic | 1 | 109-7293 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 123-0177 | - | - |
| 6ES1-UP | | | | |
| Air - Cab | 1 | 145-4088 | - | - |
| Air - Cab | 1 | 145-4086 | - | - |
| Air - Cab Recirculation | 2 | 122-5873 | - | - |
| Air Secondary | 1 | 8T-7463 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Hydraulic | 1 | 8U-0723 | - | - |

Excavators

M318 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 9T-1817 | - | - |
| 6ES227-UP | | | | |
| Air Primary | 1 | 8T-7462 | - | - |
| 8AL1-1019 | | | | |
| Hydraulic | 1 | 109-7293 | - | - |
| Hydraulic | 1 | 123-0177 | - | - |
| 8AL1-1026 | | | | |
| Air | 1 | 8U-6669 | - | - |
| 8AL1-642 | | | | |
| Engine Oil | 2 | 123-3092 | - | - |
| 8AL1-UP | | | | |
| Air - Cab | 1 | 145-4088 | - | - |
| Air - Cab | 1 | 145-4086 | - | - |
| Air - Cab Recirculation | 1 | 122-5873 | - | - |
| Air Secondary | 1 | 8T-7463 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| 8AL1027-UP | | | | |
| Air Primary | 1 | 8T-7462 | - | - |
| 8AL643-UP | | | | |
| Hydraulic | 1 | 8U-0723 | - | - |
| 8SS1-UP | | | | |
| Air - Cab | 1 | 145-4088 | - | - |
| Air - Cab | 1 | 145-4086 | - | - |
| Air - Cab Recirculation | 2 | 122-5873 | - | - |
| Air Primary | 1 | 8T-7462 | - | - |
| Air Secondary | 1 | 8T-7463 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| ELEMENT-HYD | 1 | 361-7479 | 361-7479 | 132-7249 |
| Hydraulic | 1 | 8U-0723 | - | - |

M318C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| BCZ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| BEB1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |

M318C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CPT1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |
| H2D1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| H2F1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |

M318D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| D8W1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| D9X1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| P8L1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 256-7902 | - | - |

Excavators

M318D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| P9M1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| W8P1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| W8R1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| W8R5000-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |

M320

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 4TF18221-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF30737-48995(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4TF48996-UP(Engine) | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 6WL1-UP | | | | |
| Air - Cab | 1 | 145-4088 | - | - |

M320 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 145-4086 | - | - |
| Air - Cab Recirculation | 2 | 122-5873 | - | - |
| Air Primary | 1 | 8T-7462 | - | - |
| Air Secondary | 1 | 8T-7463 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 9T-1817 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 9PS1-UP | | | | |
| Air - Cab | 1 | 145-4086 | - | - |
| Air - Cab | 1 | 145-4088 | - | - |
| Air - Cab Recirculation | 2 | 122-5873 | - | - |
| Air Primary | 1 | 8T-7462 | - | - |
| Air Secondary | 1 | 8T-7463 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |

M322C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| BDK1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| BDY1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Primary | 1 | 152-7217 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 152-7219 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| CPT1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |
| H2E1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |

Excavators

M322C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| H2G1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 222-9020 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 222-9021 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |

M322D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| D2W1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| D2W416-UP | | | | |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| D3X1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 256-7902 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| P2T1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |

M322D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| P3W1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| W2S1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 252-5001 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| W2T1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Hydraulic | 1 | 8U-0723 | - | - |
| Hydraulic | 1 | 229-2800 | - | - |
| Hydraulic - UHE | 1 | 137-7249 | - | 137-7249 |
| W2T5000-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |

M325B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 98Z31257-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| BGN1-244 | | | | |
| Power Train - Cartridge | 1 | 180-0850 | - | - |
| BGN1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 41-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 41-3741 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |

Excavators

M325B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 126-1815 | - | 126-1815 |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Power Train | 1 | 193-7477 | - | - |

M325C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| PAN1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| XJA1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |

M325D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C7C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| EDF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GE81-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KAY1-245 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| KAY1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KAY2000-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| KGG1-239 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| KGG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |

Excavators

M325D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

M330D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| KRE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MBR1-UP | | | | |
| Air | 1 | 293-1137 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| ELEMENT-HYD | 1 | 361-7480 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| THY1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

W330B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| AME1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

W345B II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 7ZR1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| ANJ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| CDY1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Excavators

W345B II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 41-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2075 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2112 | - | - |
| Oil | 1 | 093-7521 | - | - |

W345C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| MHX300-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| R5K1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 51-8670 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Oil | 1 | 093-7521 | - | - |
| Power Train | 1 | 9T-1817 | - | - |
| TXF114-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

215

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 10X6424-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 12Z1-3850(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |

215 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 12Z3851-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 14Z1-UP | | | | |
| Hydraulic | 1 | 4T-3130 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4J-0816 | - | - |
| 61Z1-UP | | | | |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |

215B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 12Z6564-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 2XC1-UP | | | | |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 45V38841-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| 4JC1-UP | | | | |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |

225

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 12Z1-3849(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 12Z3850-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 51U1-UP | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 51U1303-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 51U1505-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| 51U188-UP | | | | |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| 61X1-UP | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |

Excavators

225 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 7W-7831 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 79V3594-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 79V8493-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0713 | - | - |

225B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 12Z-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 2ZD1-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 79V14935-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

225D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 12Z32562-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 2SJ1-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 79V19500-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

229

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 12Z-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 1GF1-UP | | | | |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 79V14935-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

231D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 1NK1-UP | | | | |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 79V19500-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

235

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 08Z1629-21659(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z21660-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |

Excavators

235 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 13Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 32K1-UP | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 62X1-UP | | | | |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| 81X1-UP | | | | |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

235B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 08Z30441-34951(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 10Z41091-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z10595-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 1FD1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6NC22835-33658(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 7WC1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |

235B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| R6J1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

235C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 08Z41870-63864(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 10Z41091-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3WG1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 5AF1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Excavators

235C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6NC22835-33658(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

235D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 10Z41091-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6NC22835-33658(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 8KJ1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

245

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 70V17849-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 70V4262-17848(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 70V8759-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 82X1-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| 95V1-UP | | | | |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| 95V280-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |

245B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6MF1-UP | | | | |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| 70V26356-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

245B II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Excavators

245B II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 11N1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6MF1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |

245D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 11N2781-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4LK1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |

301.5

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 3YW1-3236 | | | | |
| Hydraulic | 1 | 147-8451 | - | - |
| 3YW1-UP | | | | |
| Air - Cab | 1 | 146-6388 | - | - |
| Air Primary | 1 | 146-7472 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 150-4140 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 149-4533 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 3YW3237-UP | | | | |
| Engine Oil | 1 | 207-3072 | - | - |
| 5DW1-UP(Engine) | | | | |

301.5 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 220-1523 | - | - |
| 5DW1791-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 150-4140 | - | - |

302.5

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 4AZ1-UP | | | | |
| Air - Cab | 1 | 146-6388 | - | - |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Engine Oil | 1 | 150-4140 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| 4ZW1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| Engine Oil | 1 | 150-4140 | - | - |

303C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| AZS1-UP | | | | |
| Air - Cab | 1 | 284-5686 | - | - |
| BXT1-4785 | | | | |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| BXT1-UP | | | | |
| Air - Cab | 1 | 284-5686 | - | - |
| Air Primary | 1 | 146-7472 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 146-7473 | - | - |
| Engine Oil | 1 | 120-0664 | - | - |
| Hydraulic | 1 | 304-7196 | - | - |
| Hydraulic | 1 | 217-2456 | - | - |
| BXT4786-UP | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |

Excavators

304C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| ENW1-UP | | | | |
| Air - Cab | 1 | 284-5686 | - | - |
| FPK1-2192 | | | | |
| Power Train | 1 | 279-1353 | - | - |
| FPK1-6198 | | | | |
| Fuel Primary | 1 | 156-1200 | - | - |
| FPK1-UP | | | | |
| Air - Cab | 1 | 284-5686 | - | - |
| Air Primary | 1 | 146-7472 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 146-7473 | - | - |
| Engine Oil | 1 | 120-0664 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Hydraulic | 1 | 304-7195 | - | - |
| Hydraulic | 1 | 217-2456 | - | - |
| FPK6199-UP | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |

305C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| GYZ1-UP | | | | |
| Air - Cab | 1 | 284-5686 | - | - |
| HWJ1-4331 | | | | |
| Fuel Primary | 1 | 156-1200 | - | - |
| HWJ1-UP | | | | |
| Air - Cab | 1 | 284-5686 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 120-0664 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Hydraulic | 1 | 304-7195 | - | - |
| Hydraulic | 1 | 217-2456 | - | - |
| Power Train | 1 | 279-1353 | - | - |
| HWJ4332-UP | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |

306

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

306 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| MXH1-UP | | | | |
| Air - Cab A/C | 2 | 150-2128 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Engine Oil | 1 | 200-3259 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 183-8187 | - | - |
| Hydraulic | 1 | 217-2456 | - | - |
| SMD1-UP | | | | |
| Fuel Primary | 1 | 183-8187 | - | - |
| Hydraulic | 1 | 217-2456 | - | - |

307

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 2WM1-UP | | | | |
| Air - Cab Recirculation | 1 | 120-7448 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 4I-6078 | - | - |
| Hydraulic | 1 | 093-5369 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK12000-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

307B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| AFB1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab Recirculation | 1 | 120-7448 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Engine Oil | 1 | 194-9983 | - | - |

Excavators

307B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 4I-6078 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 093-5369 | - | - |

307C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| BAJ1-UP | | | | |
| Fuel Primary | 1 | 183-8187 | - | - |
| BCM1-UP | | | | |
| Air | 1 | 305-0367 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Engine Oil | 1 | 200-3259 | - | - |
| Fuel Primary | 1 | 183-8187 | - | - |
| Hydraulic | 1 | 093-5369 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| BMF1-UP | | | | |
| Fuel Primary | 1 | 183-8187 | - | - |
| BNE1-UP | | | | |
| Air | 1 | 305-0367 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Engine Oil | 1 | 200-3259 | - | - |
| Fuel Primary | 1 | 183-8187 | - | - |
| Hydraulic | 1 | 093-5369 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |

307D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| DSG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 200-3259 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| WZX1-1000 | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |

307D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| WZX1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Engine Oil | 1 | 200-3259 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Primary | 1 | 183-8187 | - | - |

308C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| KCX1-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 229-9047 | - | - |
| Air - Cab Recirculation | 1 | 207-0105 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 200-3259 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Primary | 1 | 183-8187 | - | - |
| Hydraulic | 1 | 093-5369 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |

308D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| FYC1-UP | | | | |
| Air - Cab | 1 | 284-4496 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 310-1252 | - | - |
| FYC370-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| GBT1-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 284-4496 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |

Excavators

308D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 310-1252 | - | - |
| GBT214-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |

311C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 6LK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| CKE1-1287 | | | | |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| CKE1-1861 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| CKE1-UP | | | | |
| Air | 1 | 305-0367 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| CLK1-UP | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| PAD1-335 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| PAD1-UP | | | | |
| Air | 1 | 305-0367 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

311D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

311D (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| CLA1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| DDW1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| DWR1-226 | | | | |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| DWR1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 108-0671 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| JKH1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| LKA1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PNJ1-295 | | | | |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| PNJ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |

Excavators

311D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 131-8903 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |

312

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 5HK6900-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 6BL1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 094-3229 | - | 139-1539 |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 4I-6078 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

312B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2KW1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 4I-6078 | - | - |

312B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 6SW1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 41-6078 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9FS1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 41-6078 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 9NW1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 41-6078 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |

312C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 6LK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 159-6102 | - | - |
| BNN1-366 | | | | |
| Hydraulic | 1 | 173-3434 | - | - |
| BNN1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 108-0671 | - | - |

Excavators

312C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BNN367-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| BWH1-1382 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| BWH1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| CBA1-2058 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| CBA1-4114 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| CBA1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| CBT1-599 | | | | |
| Hydraulic | 1 | 173-3434 | - | - |
| CBT1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| CBT600-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| DBN1-922 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| DBN1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

312C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| FDS1-351 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |
| FDS1-560 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| FDS1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Primary | 1 | 131-8902 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 108-0672 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

312D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| DLP1-631 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| DLP1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Element | 1 | 342-1823 | - | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Oil | 1 | 093-7521 | - | - |
| DLP623-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| HCW1-543 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| HCW1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Element | 1 | 398-7171 | - | - |
| Element | 1 | 342-1823 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Oil | 1 | 093-7521 | - | - |
| HCW544-UP | | | | |

Excavators

312D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| HJX1-248 | | | | |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| HJX1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| JBC1-1338 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| JBC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Element | 1 | 342-1823 | - | - |
| Element | 1 | 398-7171 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| JBC1339-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| JKH1-UP(Engine) | | | | |
| Filter-Fuel | 1 | 364-5287 | - | 364-5287 |
| Filter-Fuel | 1 | 364-5287 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| KCD1-268 | | | | |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| KCD1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| KES1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Element | 1 | 398-7171 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Oil | 1 | 093-7521 | - | - |
| LRK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

312D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| LRK714-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| PHH1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| RHL1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Element | 1 | 398-7171 | - | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Oil | 1 | 093-7521 | - | - |
| RKF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| SKA1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Element | 1 | 398-7171 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| TGY1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Element | 1 | 342-1823 | - | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| TNZ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| XGK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |

Excavators

312D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Element | 1 | 398-7171 | - | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |

313B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| BAS1-UP | | | | |
| Air - Cab A/C | 2 | 150-2128 | - | - |
| Air Primary | 1 | 6I-6434 | - | - |
| Engine Oil | 1 | 135-8311 | - | - |
| Engine Oil | 0 | 172-9662 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 185-9158 | - | - |
| Hydraulic | 1 | 4I-6078 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 094-3229 | - | 139-1539 |

314C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 6LK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| KJA1-124 | | | | |
| Air - Cab Recirculation | 1 | 207-0105 | - | - |
| KJA1-157 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| KJA1-258 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| KJA1-UP | | | | |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

314C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| KJA125-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 229-9047 | - | - |
| PCA1-1537 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| PCA1-474 | | | | |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| PCA1-UP | | | | |
| Air - Cab Recirculation | 1 | 207-0105 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PCA209-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 229-9047 | - | - |
| SNY1-301 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| SNY1-UP | | | | |
| Air - Cab | 1 | 229-9047 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

314D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| BYJ1-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 284-4496 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| JKH1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| PDP1-UP | | | | |
| Air - Cab | 1 | 284-4496 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |

Excavators

314D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SBP1-UP | | | | |
| Air - Cab | 1 | 284-4496 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SSZ1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TXN1-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| WLN1-223 | | | | |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| WLN1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Oil | 1 | 093-7521 | - | - |
| XHR1-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 131-8902 | - | - |
| Air Secondary | 1 | 131-8903 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

315

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3ZM1-419 | | | | |
| Fuel - FWS | 1 | 138-3100 | - | - |
| 3ZM1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 41-6078 | - | - |
| Hydraulic | 1 | 094-3229 | - | 139-1539 |
| 5HK12000-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

315B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5SW1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 41-6078 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 5XK14000-UP(Engine) | | | | |
| Fuel | 1 | 51-7951 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

Excavators

315C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5XK26900-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| AKE1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| ANF1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| CFB1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| CFT1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

315C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| CJC1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| CRX1-1016(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| MHK1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

315D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| BYK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| BZN1-152 | | | | |
| Engine Oil | 1 | 266-7796 | - | - |
| BZN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| BZN153-UP | | | | |
| Element | 1 | 398-7171 | - | - |
| CJN1-2846 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| CJN1-3072 | | | | |
| Engine Oil | 1 | 266-7796 | - | - |
| CJN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |

Excavators

315D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Element | 1 | 342-1823 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Oil | 1 | 093-7521 | - | - |
| CJN2847-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| CJN3073-UP | | | | |
| Element | 1 | 398-7171 | - | - |
| JGS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| JHA1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| JKH1-UP(Engine) | | | | |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| KBD1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Element | 1 | 342-1823 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| NCM1-194 | | | | |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| NCM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| TLE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |

317

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4MM1-802 | | | | |
| Fuel - FWS | 1 | 138-3100 | - | - |
| 4MM1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 4I-6078 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 094-3229 | - | 139-1539 |
| 5HK12000-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

317B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 5XK484-UP(Engine) | | | | |
| Fuel | 1 | 5I-7951 | - | - |
| 6DZ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 4I-6078 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| 9WW1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 4I-6078 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - |

Excavators

317N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK12000-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 9SR1-357 | | | | |
| Fuel - FWS | 1 | 138-3100 | - | - |
| 9SR1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 4I-6078 | - | - |
| Hydraulic | 1 | 094-3229 | - | 139-1539 |
| Hydraulic | 1 | 5I-8670 | - | - |

318B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 3LR1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab Recirculation | 1 | 147-4851 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel | 1 | 5I-7951 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 4I-6078 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| 5XK9971-UP(Engine) | | | | |
| Fuel | 1 | 5I-7951 | - | - |
| 7KZ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab Recirculation | 1 | 147-4851 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel | 1 | 5I-7951 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 4I-6078 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |

318B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| ADC1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 41-6078 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| AEJ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 41-6078 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - |

318C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7JK1-UP(Engine) | | | | |
| Fuel | 1 | 196-8219 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7JK54000-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| BTG1-485 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| BTG1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| DAH1-1211 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| DAH1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |

Excavators

318C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| FAA1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| GPA1-329 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3434 | - | - |
| GPA1-503 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| GPA1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 135-5788 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MDY1-355 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3434 | - | - |
| MDY1-797 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| MDY1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

319C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

319C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7JK1-UP(Engine) | | | | |
| Fuel | 1 | 196-8219 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7JK54000-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| KGL1-729 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| KGL1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 206-5234 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 152-7219 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

319D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| AYF1-309 | | | | |
| Engine Oil | 1 | 266-7796 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| AYF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Element | 1 | 342-1823 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| AYF310-UP | | | | |
| Element | 1 | 398-7171 | - | - |
| BZH1-300 | | | | |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| BZH1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| DAY1-214 | | | | |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| DAY1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |

Excavators

319D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| EAW1-209 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| EAW1-212 | | | | |
| Engine Oil | 1 | 266-7796 | - | - |
| EAW1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Element | 1 | 342-1823 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Oil | 1 | 093-7521 | - | - |
| EAW210-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| EAW213-UP | | | | |
| Element | 1 | 398-7171 | - | - |
| FMH1-195 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| FMH1-244 | | | | |
| Engine Oil | 1 | 266-7796 | - | - |
| FMH1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Element | 1 | 342-1823 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| FMH196-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| FMH245-UP | | | | |
| Element | 1 | 398-7171 | - | - |
| JKH1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| KFM1-262 | | | | |
| Engine Oil | 1 | 266-7796 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| KFM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Element | 1 | 342-1823 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| KRM1-228 | | | | |
| Engine Oil | 1 | 266-7796 | - | - |
| KRM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |

319D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| KRM229-UP | | | | |
| Element | 1 | 398-7171 | - | - |
| RJP1-151 | | | | |
| Engine Oil | 1 | 266-7796 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| RJP1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Element | 1 | 342-1823 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| WBJ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| ZCA1-301 | | | | |
| Engine Oil | 1 | 266-7796 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| ZCA1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 135-5788 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Air Secondary | 1 | 135-5787 | - | - |
| Element | 1 | 342-1823 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| ZGZ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 266-7796 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |

320

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Excavators

320 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3XK1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Fuel | 1 | 6I-2693 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 3XK1909-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| 3XK822-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF31357-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 4TF4123-UP(Engine) | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 4ZJ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Fuel | 1 | 6I-2693 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 4ZJ460-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| 4ZJ597-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| 9WG1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Fuel | 1 | 6I-2693 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 9WG1161-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| 9WG723-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |

320B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1XS1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |

320B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 2AS1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 3YZ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 143-2849 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 4TF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 4XW1-UP | | | | |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 5BR1-UP | | | | |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Power Train | 1 | 9T-1817 | - | - |
| 5GW1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 5MS1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |

Excavators

320B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 6LS1-UP | | | | |
| Power Train | 1 | 9T-1817 | - | - |
| 6LW1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 7JK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 5I-7951 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7JR1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 9WS1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Oil | 1 | 093-7521 | - | - |

320C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

320C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 7JK1-UP(Engine) | | | | |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| AMC1-3601 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| AMC1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| AMC3602-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| ANB1-3788 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3511 | - | - |
| ANB1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| ANB3789-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| AXK1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BBL1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |

Excavators

320C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BCN1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BDC1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| BDE1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BEA1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 61-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |

320C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BER1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - |
| BGB1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BKK1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 51-8670 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BMZ1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BPR1-4927 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| BPR1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BPR4928-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

Excavators

320C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| BPR5525-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| BRX1-1024 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| BRX1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BRX1025-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| BRX1089-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| CLM1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| CLZ1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3511 | - | - |
| Oil | 1 | 093-7521 | - | - |
| DBG1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| EAG1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |

320C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| EGA1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| EGL1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GAD1-237 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| GAD1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GLA1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |

Excavators

320C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| GNG1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| HBC1-UP | | | | |
| Air | 1 | 305-0367 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| HKT1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| JPL1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

320C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| JTG1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 61-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MAB1-403 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| MAB1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 61-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MAB404-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| MAC1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Oil | 1 | 093-7521 | - | - |
| MAC290-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| MAE1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| PAB1-1651 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| PAB1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |

Excavators

320C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PAB1652-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| PAC1-1264 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| PAC1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PAC382-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| RAW1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SAH1-1000 | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| SAH1-235 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| SAH1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SAH236-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| SBN1-1351 | | | | |

320C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| SBN1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 61-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| SBN1352-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| TBR1-1000 | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| TBR1-173 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| TBR1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TBR174-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |

320D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7JK60000-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| A6F1-2036 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| A6F1-2354 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| A6F1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |

Excavators

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Oil | 1 | 093-7521 | - | - |
| A6F2037-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| A8F1-3100 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| A8F1-3464 | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| A8F1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| A8F3101-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| A9F1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BWW1-239 | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| BWW1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Oil | 1 | 093-7521 | - | - |
| BWW141-UP | | | | |
| Air - Cab | 1 | 175-2838 | - | 175-2838 |

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|----------------------------|----------|-------------|----------|-----------------------|
| BWW255-UP | | | | | Air | 1 | 293-1137 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 | Air - Cab | 1 | 293-1184 | - | - |
| BWZ1-UP | | | | | Air - Cab | 1 | 245-7823 | - | - |
| Air | 1 | 293-1137 | - | - | Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air - Cab | 1 | 245-7823 | - | - | Air Secondary | 1 | 131-8821 | - | - |
| Air - Cab | 1 | 293-1184 | - | - | Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 | Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 | Fuel - FWS | 1 | 174-9570 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 | Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 | Hydraulic | 1 | 188-4142 | - | - |
| Air Secondary | 1 | 131-8821 | - | - | Hydraulic | 1 | 5I-8670 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - | Hydraulic | 1 | 188-4140 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - | Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Fuel - FWS | 1 | 174-9570 | - | - | Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - | Oil | 1 | 093-7521 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - | BZP1315-UP | | | | |
| Hydraulic | 1 | 216-6676 | - | - | Air Primary | 1 | 134-0685 | - | 134-0685 |
| Hydraulic | 1 | 188-4142 | - | - | C6E30000-UP(Engine) | | | | |
| Hydraulic | 1 | 188-4140 | - | - | Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| Hydraulic | 1 | 126-2075 | - | - | CXY1-253 | | | | |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 | Hydraulic | 1 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - | CXY1-UP | | | | |
| BZF1-UP | | | | | Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 | Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 | Air - Cab | 1 | 245-7823 | - | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 | Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 6I-2502 | - | - | Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - | Air Primary | 1 | 134-0685 | - | 134-0685 |
| Filter Element As-Oil | 1 | 376-8221 | - | - | Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Fuel - FWS | 1 | 174-9570 | - | - | Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - | Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - | Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Hydraulic | 1 | 188-4142 | - | - | Fuel | 1 | 196-8219 | - | - |
| Hydraulic | 1 | 188-4140 | - | - | Fuel - FWS | 1 | 174-9570 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 | Fuel - FWS | 1 | 117-4089 | - | - |
| Oil | 1 | 093-7521 | - | - | Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| BZP1-UP | | | | | Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

Excavators

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| CYZ1-395 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| CYZ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| CYZ277-UP | | | | |
| Air - Cab | 1 | 175-2838 | - | 175-2838 |
| CYZ396-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| DFB1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| DHE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| DHK1-881 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| DHK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| EAX1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Filter Element As-Oil | 1 | 376-8221 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| EBY1-117 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| EBY1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| EJT1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| FAL1-9016 | | | | |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| FAL1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |

Excavators

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| FAL9017-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| FXK1-218 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| FXK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GDC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Filter-Fuel | 1 | 364-5287 | - | 364-5287 |
| Filter-Fuel | 1 | 364-5287 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| GDP1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GKL1-139 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| GKL1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GKS1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GMX1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| HJC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JFZ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 61-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JGZ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JPD1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |

Excavators

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| JZA1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Filter-Fuel | 2 | 364-5287 | - | - |
| Filter-Fuel | 2 | 364-5287 | - | 364-5287 |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KGF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| KGF7706-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| KHN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KLM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| KTF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KZF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Filter-Fuel | 2 | 364-5287 | - | 364-5287 |
| Filter-Fuel | 2 | 364-5287 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MAE1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| MCH1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MDE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MGG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |

Excavators

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| MZD1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Filter-Fuel | 2 | 364-5287 | - | 364-5287 |
| Filter-Fuel | 2 | 364-5287 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PCM1-869 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| PCM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PCM1887-UP | | | | |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| PCX1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| PHX1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Filter Element-Air | 1 | 286-6318 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| Precleaner | 1 | 258-6614 | - | - |
| SNS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SRT1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SRT158-UP | | | | |

Excavators

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 175-2838 | - | 175-2838 |
| TAE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TDH1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 61-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| WBN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| WJN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| XCK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |

320D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| YDS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| ZGB1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

320S

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4TF31357-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 4TF4805-UP(Engine) | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air Secondary | 1 | 51-5208 | - | - |
| 4TF9537-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 61-2693 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6KM1-212 | | | | |
| Air - Cab | 1 | 51-3572 | - | - |
| 6KM1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Secondary | 1 | 51-5208 | - | - |
| Hydraulic | 1 | 41-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 41-3741 | - | - |

Excavators

320S (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 094-4412 | - | 139-1540 |
| 6KM213-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 108-0688 | - | - |

321C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 7JK6000-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| KCR1-286 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| KCR1-311 | | | | |
| Hydraulic | 1 | 173-3434 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| KCR1-UP | | | | |
| Air - Cab | 1 | 229-9047 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab Recirculation | 1 | 207-0105 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| KCR312-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| MAE1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| MCF1-1148 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| MCF1-1206 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 173-3434 | - | - |
| MCF1-UP | | | | |
| Air - Cab | 1 | 229-9047 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab Recirculation | 1 | 207-0105 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| MCF1207-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

321D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| GDC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| KBZ1-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MDT1-UP | | | | |
| Air - Cab | 1 | 229-9047 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MPG1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| NAS1-UP | | | | |
| Air - Cab | 1 | 229-9047 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PBD1-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 229-9047 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

Excavators

321D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| TXA1-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

322B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 1YS1-1352 | | | | |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| 1YS1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| Power Train | 1 | 9T-1817 | - | - |
| 1YS1353-UP | | | | |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| 1ZS1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 2ES1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

322B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 4TF28805-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z16500-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

322C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 3AK1083-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 55K6690-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 5GG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 6JK1915-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| BFK1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |

Excavators

322C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BGR1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BKJ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BKM1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BLP1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 61-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |

322C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| BPH1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BYL1-1000 | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| BYL1-1008 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| BYL1-UP | | | | |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BYL1001-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| BYL1009-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| C3R1-1021 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 158-9005 | - | - |
| C3R1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| C3R1001-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| C3R1022-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| CAM1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |

Excavators

322C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| CBY1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| CSW1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| DAA1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| EMR1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| FED1-188 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| FED1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |

322C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| FED189-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| HEK1-1071 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| HEK1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| HEK1072-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| LAR1-1000 | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| LAR1-1038 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 158-9005 | - | - |
| LAR1-UP | | | | |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| LAR1001-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| LAR1039-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| M2H1-1000 | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| M2H1-1001 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| M2H1-UP | | | | |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| M2H1001-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| M2H1002-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |

Excavators

322C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| MAR1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SLX199-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

322L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 4RM1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 4TF11600-50340(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 4TF11600-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF31357-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 8ML1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 98Z16020-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z4000-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 9RL1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |

322L (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 094-4412 | - | 139-1540 |

323D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 7JK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| BYM1-653 | | | | |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| BYM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| C6E30000-UP(Engine) | | | | |
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| CWG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| CYD1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

Excavators

323D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| DKW1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| GDC1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| GTF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JLG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

323D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JLG428-UP | | | | |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| LFL1-558 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| LFL1-649 | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| LFL1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 61-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 216-6676 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Oil | 1 | 093-7521 | - | - |
| LFL559-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| MAE1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 196-8219 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| NDE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 61-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| NDE238-UP | | | | |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| NES1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 61-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 61-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| NZF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |

Excavators

323D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Filter-Fuel | 2 | 364-5287 | - | - |
| Filter-Fuel | 2 | 364-5287 | - | 364-5287 |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PBE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PBM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| RAC1-529 | | | | |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| RAC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |

323D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SDC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SED1-370 | | | | |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| SED1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| WGC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| WNE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |

Excavators

323D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| YSD1-1328 | | | | |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| YSD1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| YSD1329-UP | | | | |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| ZMF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

323D MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

323D MHPU (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| DCJ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 134-0685 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| GDC1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| L5Z1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

324D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| BTK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| C7C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| CJX1-194 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| CJX1-UP | | | | |
| Air | 1 | 293-1137 | - | - |

Excavators

324D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| DFP1-271 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| DFP1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| EJC1-509 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| EJC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GPK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JAT1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |

324D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JGK1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JGK1403-UP | | | | |
| Air - Cab | 1 | 175-2838 | - | 175-2838 |
| JJG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| JJG385-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| JZR1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| LAB1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

Excavators

324D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| LAB418-UP | | | | |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| MND1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PYT1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SYM1-453 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| SYM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| T2D1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |

324D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TRH1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TSN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TX71-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

324D MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| C7C130-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| KJR1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Excavators

324D MHPU (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KJR147-UP | | | | |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |

325

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 2SK1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 2SL1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Fuel | 1 | 6I-2693 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 2SL528-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| 3LL1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Fuel | 1 | 6I-2693 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 3LL678-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| 4TF2472-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF3312-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 4TF38724-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 6RM1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 7LJ1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |

325 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 5I-5208 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 7LM1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 7TG1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 8NK1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 8YK1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 5I-3572 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 98Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z16033-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 9SG1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 9ZK1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Fuel | 1 | 6I-2693 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 9ZK143-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |

325B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Excavators

325B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1CK9600-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 2JR1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| Power Train | 1 | 9T-1817 | - | - |
| 4DS1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 173-3511 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 4TF24000-UP(Engine) | | | | |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 5BS1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 131-8821 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 6DN1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

325B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 8FN1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 98Z15029-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

325C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5GG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| AMH1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BFE1-1875 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| BFE1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Excavators

325C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BFE186-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| BFE1876-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| BKW1-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 229-9047 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 214-8558 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 200-3549 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| BMM1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BTD1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| CRB1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |

325C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| CSJ1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| DTF1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| G1L1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| G1L1001-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| JLC1-300 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| JLC1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |

Excavators

325C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| JLD1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| M2K1-2013 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| M2K1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| M2K1001-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| M2K1014-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| S2C1-186 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| S2C1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| S2C187-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| S3M1-1013 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |

325C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| S3M1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| S3M1001-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| S3M1014-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| S3M312-1013 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 173-3511 | - | - |
| S3M312-UP | | | | |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Y4P1-415 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Y4P1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| Y4P416-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

325C MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| BMA21500-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| MSG1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |

Excavators

325C MHPU (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

325D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| A3R1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| A3R505-UP | | | | |
| Hydraulic | 1 | 51-8670 | - | - |
| AZP1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 61-2504 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| C4H1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

325D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| C4H210-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| C7C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| C7K1-204 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| C7K1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| C7K1302-UP | | | | |
| Air - Cab | 1 | 175-2838 | - | 175-2838 |
| C7K201-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| C8L1-168 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| C8L1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| C8L1407-UP | | | | |
| Air - Cab | 1 | 175-2838 | - | 175-2838 |
| C8L167-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| C9M1-140 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| C9M1-1665 | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| C9M1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| C9M140-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| CYW1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |

Excavators

325D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| DBH1-216 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| DBH1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| ERK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| GBR1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GPB1-631 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| GPB1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |

325D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| KBE1-167 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| KBE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KDG1-174 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| KDG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KDG198-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| LAL1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

Excavators

325D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| MCL1-182 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| MCL1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| NAC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| NAC252-UP | | | | |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| PAL1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PKE1-641 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| PKE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

325D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| RJK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| RJK135-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| SCR1-553 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| SCR1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SCR668-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| T2S1-274 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| T2S1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |

325D MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Excavators

325D MHPU (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| C3N1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| C7C181-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| H3N1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| SRC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SRC104-UP | | | | |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |

325L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

325L (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2JK1-UP | | | | |
| Air | 1 | 7Y-0404 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Secondary | 1 | 5I-5208 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 4TF2472-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z1-2618(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 98Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

328D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C7C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| GTN1-173 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| GTN1-UP | | | | |
| Air - Cab | 1 | 284-4568 | - | - |
| Air - Cab | 1 | 229-9047 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KHX1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| MKR1-190 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| MKR1-UP | | | | |
| Air - Cab | 1 | 229-9047 | - | - |
| Air - Cab | 1 | 284-4568 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| RMX1-UP | | | | |
| Air | 1 | 293-1137 | - | - |

Excavators

328D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SWF1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

329D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| BFC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BYS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

329D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| C7C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| CZF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| DJF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| DTZ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| EBM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 61-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

Excavators

329D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| JHJ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| MNB1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 3 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| RSK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SCY1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TPM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

329D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TZL1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| WDK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| WLT1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| XDB1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |

Excavators

329D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| YFW1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 61-2504 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

330

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z27468-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2EL1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 51-3572 | - | - |
| Air Primary-Radial Seal | 1 | 7Y-1323 | - | - |
| Air Secondary | 1 | 7Y-1322 | - | - |
| Hydraulic | 1 | 41-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 41-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 2EL332-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 108-0688 | - | - |
| 2ZM1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary-Radial Seal | 1 | 7Y-1323 | - | - |
| Air Secondary | 1 | 7Y-1322 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 41-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 41-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 5YM1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary-Radial Seal | 1 | 7Y-1323 | - | - |

330 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 7Y-1322 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6SK1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6ZK1-UP | | | | |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary-Radial Seal | 1 | 7Y-1323 | - | - |
| Air Secondary | 1 | 7Y-1322 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 6ZK64-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| 8CK1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air Primary-Radial Seal | 1 | 7Y-1323 | - | - |
| Air Secondary | 1 | 7Y-1322 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 8CK206-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| 8FK1-UP | | | | |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary-Radial Seal | 1 | 7Y-1323 | - | - |
| Air Secondary | 1 | 7Y-1322 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |
| 8RL1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9ML1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9PJ1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9WJ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air Primary-Radial Seal | 1 | 7Y-1323 | - | - |
| Air Secondary | 1 | 7Y-1322 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Oil | 1 | 094-4412 | - | 139-1540 |

330B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Excavators

330B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1JS1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3YR1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 4RS1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 107-6995 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| 5EZ1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5LR1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| 5LS1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

330B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 6DR1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - |
| Power Train | 1 | 9T-1817 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8SR1-UP | | | | |
| Engine Oil | 1 | 107-6995 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| 8TR1-UP | | | | |
| Engine Oil | 1 | 107-6995 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| AME1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

330C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4ZF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 7AZ1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Excavators

330C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| B1K1-1016 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| B1K1-1017 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| B1K1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| B1K1001-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| B1K1017-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| B2L1-254 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| B2L1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| B2L255-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| B3M1-1000 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| B3M1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| B3M1001-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| B4N1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |

330C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| B4N1001-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| B4N1012-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| BTM1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| CAP1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| CAP2107-UP | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| CGZ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| CGZ901-UP | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| CYA1-835 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| CYA1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |

Excavators

330C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 5I-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| CYA430-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| D3C1-3003 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| D3C1-303 | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| D3C1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| D3C304-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| DKY1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 173-3511 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| Power Train | 1 | 9T-1817 | - | - |
| DKY4078-UP | | | | |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| GAG1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| GKX1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| HAA1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

330C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| JAB1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JCD1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 61-2503 | - | 132-7165 |
| Air Secondary | 1 | 142-1404 | - | - |
| Air Secondary | 1 | 61-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JNK233-UP | | | | |
| Hydraulic | 1 | 158-9005 | - | - |
| KDD1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |

Excavators

330C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MCA1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| MKM1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| RBH1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| SAN1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

330C MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4ZF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 7AZ1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| MSD1-UP | | | | |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| MSL1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 158-9005 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| SAN1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

330D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Excavators

330D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| B6H1-558 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| B6H1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| B6H43010-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| C5K1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| E4K1-353 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| E4K1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| E4K353-UP | | | | |
| Hydraulic | 1 | 51-8670 | - | - |
| EAH1-433 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| EAH1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| EDX1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

330D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| ERN1-283 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| ERN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| FFK1-243 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| FFK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GBC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GGE1-509 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| GGE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

Excavators

330D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| H3K1-355 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| H3K1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| H3K1417-UP | | | | |
| Air - Cab | 1 | 175-2838 | - | 175-2838 |
| H3K354-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| HAS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JJM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| Precleaner | 1 | 258-6614 | - | - |
| JLP1-282 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| JLP1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |

330D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| L2K1-221 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| L2K1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| L2K1306-UP | | | | |
| Air - Cab | 1 | 175-2838 | - | 175-2838 |
| L2K222-UP | | | | |
| Hydraulic | 1 | 51-8670 | - | - |
| LEM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| LEM194-UP | | | | |
| Hydraulic | 1 | 51-8670 | - | - |
| LRM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MEY1-254 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| MEY1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

Excavators

330D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MWP1-1425 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| MWP1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MWP1228-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| NBD1-604 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| NBD1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PEL1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| R2D1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |

330D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| RAS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| T2Y1-351 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| T2Y1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| THJ1-279 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| THJ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| THY1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Excavators

330D MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| D3D1-163 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - |
| D3D1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| D3D264-UP | | | | |
| Oil | 1 | 093-7521 | - | - |
| H3D1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| THY1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

336D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| DTS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

336D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| J2F1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JBF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JBT1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JWR1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |

Excavators

336D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KDJ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KKT1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| LMG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| M4T1-2449 | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| M4T1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| MDS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |

336D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| MPL1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MYG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MYP1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PGW1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |

Excavators

336D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PPN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| PRF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| PTB1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| THY1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| W3K1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

336D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| WET1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| WRK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| ZML1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4140 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

336E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| BMH1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |

Excavators

336E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BZY1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| CMR1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| DPX1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| FJH1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| GNY1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GTJ1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |

336E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| HDW1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JEA1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JRJ1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| KED1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MME1-UP(Engine) | | | | |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| MYE1-UP(Engine) | | | | |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| RZA1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

Excavators

336E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| SSL1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TEG1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil | 1 | 196-6581 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 289-7789 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TMZ1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| YCE1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| YEP1-UP | | | | |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 220-0453 | - | 220-0453 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 363-9402 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 250-0728 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

345B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 2NW1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 2SW1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 2 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 4SS1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| Power Train | 1 | 9T-1817 | - | - |
| 4SS214-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| 5WS1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6XS1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 7KS1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |

Excavators

345B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 2 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 7ZR1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 8KW1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| 9CW1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| 9GS1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Oil | 1 | 093-7521 | - | - |
| BFG1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 2 | 173-3511 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Oil | 1 | 093-7521 | - | - |
| CFM1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

345B II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

345B II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|-------------------------|----------|-------------|----------|-----------------------|
| 7ZR1-UP(Engine) | | | | | Air - Cab Recirculation | 1 | 147-4851 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 | Air Primary | 1 | 106-3969 | - | 132-7168 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Air Secondary | 1 | 106-3973 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - | Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| AGS1-UP | | | | | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Air - Cab | 1 | 305-0329 | - | - | Fuel - FWS | 1 | 133-5673 | - | - |
| Air - Cab | 1 | 108-0688 | - | - | Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 | Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Air Secondary | 1 | 106-3973 | - | - | Hydraulic | 1 | 126-2112 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Fuel - FWS | 1 | 133-5673 | - | - | Hydraulic | 1 | 126-2075 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - | Hydraulic | 1 | 200-3549 | - | - |
| Hydraulic | 1 | 126-2112 | - | - | Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 41-3948 | 184-3931 | 126-1813 | Oil | 1 | 093-7521 | - | - |
| Hydraulic | 1 | 126-2075 | - | - | ALB1-UP | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 | Air - Cab | 1 | 305-0329 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 | Air - Cab | 1 | 108-0688 | - | - |
| Oil | 1 | 093-7521 | - | - | Air Primary | 1 | 106-3969 | - | 132-7168 |
| Power Train | 1 | 9T-1817 | - | - | Air Secondary | 1 | 106-3973 | - | - |
| AKJ1-UP | | | | | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Air - Cab | 1 | 305-0329 | - | - | Fuel - FWS | 1 | 133-5673 | - | - |
| Air - Cab Recirculation | 1 | 147-4851 | - | - | Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 | Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Air Secondary | 1 | 106-3973 | - | - | Hydraulic | 1 | 126-2112 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 | Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Hydraulic | 1 | 41-3948 | 184-3931 | 126-1813 |
| Fuel - FWS | 1 | 133-5673 | - | - | Hydraulic | 1 | 126-2075 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - | Oil | 1 | 093-7521 | - | - |
| Hydraulic | 1 | 126-2112 | - | - | ALD1-UP | | | | |
| Hydraulic | 1 | 126-2075 | - | - | Air - Cab | 1 | 305-0329 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 | Air - Cab Recirculation | 1 | 147-4851 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 | Air Primary | 1 | 106-3969 | - | 132-7168 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 | Air Secondary | 1 | 106-3973 | - | - |
| Oil | 1 | 093-7521 | - | - | Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| AKX1-UP | | | | | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Air - Cab | 1 | 305-0329 | - | - | | | | | |

Excavators

345B II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 200-3549 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| AMD1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| AMJ1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| AMN1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| APB1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 41-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - |
| AYR1-UP | | | | |
| Air Primary | 1 | 142-1340 | - | 220-0454 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1403 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| CCC1-543 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2112 | - | - |
| CCC1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Oil | 1 | 093-7521 | - | - |
| CCC544-UP | | | | |
| Hydraulic | 2 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| CDJ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Oil | 1 | 093-7521 | - | - |
| DCW1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |

345B II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 126-2112 | - | - |
| Oil | 1 | 093-7521 | - | - |
| DET1-105 | | | | |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| DET1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Oil | 1 | 093-7521 | - | - |
| DET106-UP | | | | |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| FEE1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 2 | 188-4142 | - | - |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Oil | 1 | 093-7521 | - | - |

345C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| A3L1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 2 | 126-2075 | - | - |

Excavators

345C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BWY1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 247-8895 | - | - |
| Hydraulic | 1 | 200-3549 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| BWY280-UP | | | | |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| D3S1-174 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| D3S1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Oil | 1 | 093-7521 | - | - |
| Power Train | 1 | 9T-1817 | - | - |
| DHP1-247 | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| DHP1-437 | | | | |
| Hydraulic | 2 | 126-2075 | - | - |
| DHP1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Oil | 1 | 093-7521 | - | - |
| DHP248-382 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 2 | 173-3434 | - | - |
| DHP383-UP | | | | |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| ELS1-179 | | | | |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Oil | 1 | 093-7521 | - | - |
| ELS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |

345C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| ESD1-186 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| ESD1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| FPC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| GPH1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GBH1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| GCL1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| GPH1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |

Excavators

345C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| JAR1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| LYS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| M2R1-192 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| M2R1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Oil | 1 | 093-7521 | - | - |
| Power Train | 1 | 9T-1817 | - | - |
| MDC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Oil | 1 | 093-7521 | - | - |
| MHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| MTE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |

345C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| PJW1-1143 | | | | |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| PJW1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Oil | 1 | 093-7521 | - | - |
| Power Train | 1 | 9T-1817 | - | - |
| RFN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| S5M1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SCN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| SPC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

Excavators

345C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TAJ1-255 | | | | |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| TAJ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TBA1-170 | | | | |
| Hydraulic | 2 | 173-3434 | - | - |
| TBA1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 247-8895 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 200-3549 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TBA435-UP | | | | |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| TDG1-290 | | | | |
| Hydraulic | 2 | 173-3434 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| TDG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TXF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| WDE1-144 | | | | |
| Hydraulic | 2 | 173-3434 | - | - |
| WDE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |

345C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 200-3549 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 247-8895 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| WDE166-UP | | | | |
| Air Primary | 1 | 220-0454 | - | 220-0454 |

345C MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| B6N1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| M3E1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| M3F1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| MHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

Excavators

345C MHPU (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| NRF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| TXF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

345D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| BYC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 142-1403 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 247-8895 | - | - |
| Hydraulic | 1 | 200-3549 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| EEH1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| JKN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

Excavators

345D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| NEG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 200-3549 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 247-8895 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| NLM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 327-6618 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 142-1403 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| PBT1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 247-8895 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 200-3549 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| RAE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 200-3549 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 247-8895 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

345D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| RAJ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 142-1403 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| RGD1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Oil | 1 | 093-7521 | - | - |
| RGG1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| TXF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| YEE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 293-1184 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 220-0454 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 51-8670 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |

Excavators

350

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z70000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z29000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2ZL1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Oil | 2 | 094-4412 | - | 139-1540 |
| 2ZL171-UP | | | | |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| 3ML1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Oil | 2 | 094-4412 | - | 139-1540 |
| 3ML685-UP | | | | |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8HK1-UP | | | | |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Oil | 2 | 094-4412 | - | 139-1540 |
| 9FL1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Oil | 2 | 094-4412 | - | 139-1540 |

350L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

350L (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 13Z29000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9FL1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Oil | 2 | 094-4412 | - | 139-1540 |

365B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 6AR1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 2 | 1R-0762 | 1R-0762 | - |
| 9PZ1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| AGD1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab Recirculation | 1 | 147-4851 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 3 | 188-4142 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| CFJ1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab Recirculation | 1 | 147-4851 | - | - |

Excavators

365B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 3 | 188-4142 | - | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| CTY1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

365BL

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 6AR1-3914(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 2 | 1R-0762 | 1R-0762 | - |
| 9TZ1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

365BL II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 6AR1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 2 | 1R-0762 | 1R-0762 | - |
| DER1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| JMB1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| PEG1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 2 | 173-3511 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| SDL1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 2 | 173-3511 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |

Excavators

365C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| ELC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| FEN1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| GWC1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| GWC11-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| GWC226-UP | | | | |
| Hydraulic | 1 | 185-0336 | - | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| MCS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |

365C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| MCY1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| MEM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| PAR1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| TXG1-2061(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

Excavators

374D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| LHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| PAP1-290 | | | | |
| Filter Element As-Air | 1 | 373-1766 | - | - |
| Filter Element As-Air | 1 | 373-1765 | - | - |
| PAP1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| PAS1-871 | | | | |
| Filter Element As-Air | 1 | 373-1766 | - | - |
| Filter Element As-Air | 1 | 373-1765 | - | - |
| PAS1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| PAX1-436 | | | | |
| Filter Element As-Air | 1 | 373-1766 | - | - |
| Filter Element As-Air | 1 | 373-1765 | - | - |
| PAX1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| PJA1-145 | | | | |
| Filter Element As-Air | 1 | 373-1766 | - | - |
| Filter Element As-Air | 1 | 373-1765 | - | - |
| PJA1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

374D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

375

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 11N4295-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 41Z1-1786(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6NK1-90 | | | | |
| Air - Cab | 1 | 5I-3572 | - | - |
| 6NK1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 1 | 159-1428 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 159-1427 | - | - |
| Oil | 3 | 094-4412 | - | 139-1540 |
| 8WJ1-59 | | | | |
| Air Primary | 1 | 7Y-1196 | - | - |
| Air Secondary | 1 | 7Y-1197 | - | - |
| 8WJ1-76 | | | | |
| Air - Cab | 1 | 8C-4120 | - | - |
| Air - Cab | 1 | 5G-1913 | - | - |
| 8WJ1-UP | | | | |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Oil | 3 | 094-4412 | - | 139-1540 |
| 8WJ60-UP | | | | |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| 8WJ77-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| 9WL1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| TXC1-UP(Engine) | | | | |

Excavators

375 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

375L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 11N4295-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1JM1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Oil | 3 | 094-4412 | - | 139-1540 |
| 1JM2131-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 41Z1-1786(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 41Z1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9WL1-UP | | | | |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 159-1428 | - | - |
| Hydraulic | 1 | 159-1427 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Oil | 3 | 094-4412 | - | 139-1540 |
| TXC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

385B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

385B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| ANS1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 185-0336 | - | - |
| BKF1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 0 | 293-1184 | - | - |
| Air - Cab Recirculation | 1 | 147-4851 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 3 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| BKX1-UP | | | | |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| BLC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 2 | 1R-0762 | 1R-0762 | - |
| BLC1207-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| BLY1-UP | | | | |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 0 | 293-1184 | - | - |
| Air - Cab Recirculation | 1 | 147-4851 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 3 | 188-4142 | - | - |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| CLS1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 2 | 173-3511 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| FDL1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |

Excavators

385B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 2 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| MYA1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 2 | 173-3511 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| RCD1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 2 | 173-3511 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |

385C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| EAM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |

385C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| EDA1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| JCM1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| KBC1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| KGB1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| KKK1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |

Excavators

385C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| MMA1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| MNZ1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| RHX1-1260(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| RHX1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RHX1261-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| SBE1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| T2E1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |

385C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| T2F1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| TXH1-1260(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| TXH1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| WAW1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 143-8086 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 191-5650 | - | - |
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |

385C MHPU

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| M3W1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air - Cab | 1 | 245-7823 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |

Excavators

385C MHPU (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| MSF1-UP | | | | |
| Air | 1 | 293-1137 | - | - |
| Air | 1 | 122-1674 | - | 122-1674 |
| Air - Cab | 1 | 245-7823 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| RHX1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RHX2432-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TXH1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

5080

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 11N6900-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 41Z1-1786(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 41Z1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6XK1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 5I-3572 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |

5080 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 1N-4864 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 1 | 159-1427 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 159-1428 | - | - |
| Oil | 3 | 094-4412 | - | 139-1540 |
| 8SL1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 1N-4864 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Oil | 3 | 094-4412 | - | 139-1540 |
| TXC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

5090B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| BLC1207-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| BLC172-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 2 | 1R-0762 | 1R-0762 | - |
| CLD1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 173-3511 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 146-9290 | - | - |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| SJY1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 185-0336 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic | 2 | 173-3511 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| Hydraulic | 1 | 188-4142 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 188-4150 | - | - |
| Hydraulic | 1 | 223-7809 | - | 223-7809 |
| Hydraulic - UHE | 1 | 179-9806 | 179-9806 | 126-2131 |
| Hydraulic - UHE | 1 | 146-9290 | - | - |

Excavators

5110

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7GN1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| 7GN101-UP | | | | |
| Hydraulic | 1 | 126-2112 | - | - |
| 80M1-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8HN1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 108-0688 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 126-2112 | - | - |
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |

5110B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 80M3054-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| AAA1-293 | | | | |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| AAA1-362 | | | | |
| Hydraulic | 8 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 8 | 1R-0722 | 1R-0774 | 139-1536 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| AAA1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - UHE | 8 | 139-1536 | - | 139-1536 |
| AAA294-UP | | | | |

5110B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 130-3214 | - | - |
| Hydraulic - UHE | 1 | 4C-6860 | - | 4C-6860 |
| AAK1-227 | | | | |
| Hydraulic | 8 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 8 | 1R-0722 | 1R-0774 | 139-1536 |
| AAK1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 130-3214 | - | - |
| Hydraulic - UHE | 1 | 4C-6860 | - | 4C-6860 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 8 | 139-1536 | - | 139-1536 |
| AAT1-312 | | | | |
| Hydraulic | 8 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 8 | 1R-0722 | 1R-0774 | 139-1536 |
| AAT1-UP | | | | |
| Air - Cab | 1 | 108-0688 | - | - |
| Air - Cab | 1 | 305-0329 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 130-3214 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic - UHE | 8 | 139-1536 | - | 139-1536 |
| Hydraulic - UHE | 1 | 4C-6860 | - | 4C-6860 |

5130

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 5ZL1-57 | | | | |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| 5ZL1-UP | | | | |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Cab | 1 | 8C-4120 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 7W-5216 | - | - |
| Air Secondary | 1 | 7N-1308 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic | 12 | 4T-3134 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 12 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - UHE | 12 | 139-1536 | - | 139-1536 |
| 7YG1-2200(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 7YG1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 7YG1253-UP(Engine) | | | | |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| 7YG2201-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |

Excavators

5130B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| 2GR1-2627(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 2GR1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2GR2628-8284(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 4CS1-147 | | | | |
| Hydraulic | 12 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 12 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - UHE | 12 | 139-1536 | - | 139-1536 |
| 4CS1-172 | | | | |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 4CS1-UP | | | | |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 145-4758 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| 4CS148-UP | | | | |
| Hydraulic - ADV | 12 | 1R-0774 | 1R-0774 | 139-1536 |
| 4CS173-UP | | | | |
| Air - Charcoal | 2 | 141-7903 | - | 141-7903 |
| Hydraulic | 1 | 130-3214 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic - UHE | 1 | 4C-6860 | - | 4C-6860 |

5230

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2PK1-506(Engine) | | | | |
| Engine Oil | 4 | 1R-0716 | 1R-1808 | 244-4484 |
| 2PK1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2PK1613-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 2PK507-1612(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 7LL1-98 | | | | |
| Air - Cab | 1 | 8C-4120 | - | - |
| 7LL1-UP | | | | |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Hydraulic - Cartridge | 6 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 12 | 1R-0722 | 1R-0774 | 139-1536 |

5230 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 7LL99-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 145-4758 | - | - |

5230B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 4HZ1-UP | | | | |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 145-4758 | - | - |
| Air - Charcoal | 2 | 141-7903 | - | 141-7903 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 130-3214 | - | - |
| Hydraulic | 12 | 4T-3134 | - | - |
| Hydraulic - ADV | 12 | 1R-0774 | 1R-0774 | 139-1536 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 4C-6860 | - | 4C-6860 |
| Hydraulic - UHE | 12 | 139-1536 | - | 139-1536 |
| Hydraulic - UHE | 6 | 139-1537 | - | 139-1537 |
| 7TR1057-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 7TR634-1056(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 7TR634-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

Forestry Products

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Oils - Hydraulic Systems

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Cat MTO SAE 15W-40 is the preferred viscosity grade for the hydraulic hood tilt system when the ambient temperature is below -15 °C (+5 °F) and does not go above 40 °C (104 °F).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmissions

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Power Shift Transmission | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 {1} | 0 | 50 | 32 | 122 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -10 | 50 | 14 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Forestry Products

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Final Drive and Swing Drive | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 {1} {2} | -25 | 25 | -13 | 77 |
| | | SAE 50 {3} | -15 | 50 | 5 | 122 |
| | Cat TDTO TMS | Multi-grade | -30 | 25 | -22 | 77 |
| Final Drive, Swing Drive and Pump Drive for Knuckleboom Loaders Final Drive and Swing Drive for Model 501 Track Harvester Two Speed Transmission and Drive Axles for Model 584 Forwarders | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| Drive Axles for Wheel Log Skidders (525-545) and Wheel Feller Bunchers (533, 573) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -25 | 15 | -13 | 59 |
| | | SAE 30 {1} | -20 | 43 | -4 | 110 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -30 | 43 | -22 | 110 |
| Final Drives for Large Track Skidders (Stell Tracked Machines with Elevated Final Drives except the 561M and 561N) | Cat FDAO | SAE 60 {1} | -7 | 50 | 19 | 122 |
| | Cat FDAO SYN | Multi-grade | -15 | 50 | 5 | 122 |
| | Cat TDTO | SAE 30 | -25 | 15 | -13 | 59 |
| | | SAE 50 | -15 | 32 | 5 | 90 |
| | Cat TDTO TMS | Multi-grade | -35 | 15 | -31 | 59 |
| {1} Factory Fill Fluid | | | | | | |
| {2} Factory Fill Fluid for swing drives of certain configuration Log Loaders, Model 320 Track Harvester, and Track Feller Bunchers | | | | | | |
| {3} Factory Fill Fluid for final drives of certain configuration Log Loaders, Model 320 Track Harvester, and Track Feller Bunchers | | | | | | |

Oils - Undercarriage

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------------|----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Track Idlers and Track Rollers | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| | Cat DEO-ULS SYN | SAE 5W-40 | -35 | 40 | -31 | 104 |
| | Cat DEO-ULS / DEO | SAE 15W-40 {1} | -10 | 50 | 14 | 122 |
| | Cat FDAO SYN | Multi-grade | -30 | 50 | -22 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Special Application

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Variable Pitch Fan | Cat DEO-ULS SYN | SAE 5W-40 | -40 | 50 | -40 | 122 |
| | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | | |

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|---|---------------------------------------|--|---------------------------|-----|-----|-----|------------|-------------------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Articulation Bearings, Bogie Bearings, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Gate Cylinder, Grapple Head Rotator, Swing Drive Bearing, Swing Drive Gear, Winch Drive Shaft Bearing, Winch Drive Shaft Universal Joint, Winch Drum Bearing | High | 517- Skidding loads over 4536 kg (10,000 lb) in steep terrain (over 30%) with high skidding resistance. 525B- Skidding loads over 6800 kg (15,000 lb) in steep terrain (over 10%) with high skidding resistance. 527- Skidding loads over 6360 kg (14,000 lb) in steep terrain (over 30%) with high skidding resistance. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | Low | 517- Skidding loads up to 4536 kg (10,000 lb) in moderate terrain (8-30%) with medium skidding resistance. 525B- Skidding loads up to 6800 kg (15,000 lb) in moderate terrain (5-10%) with average skidding resistance. 527- Skidding loads up to 6360 kg (14,000 lb) in moderate terrain (8-30%) with medium skidding resistance. | -20 | 40 | -4 | 104 | 0.5 | Extreme Application Grease - Arctic |
| Fan Drive Bearings | Medium | 517- Skidding loads up to 4536 kg (10,000 lb) in moderate terrain (8-30%) with medium skidding resistance. 525B- Skidding loads up to 6800 kg (15,000 lb) in moderate terrain (5-10%) with average skidding resistance. 527- Skidding loads up to 6360 kg (14,000 lb) in moderate terrain (8-30%) with medium skidding resistance. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| | Low | 517- Skidding loads less than 4536 kg (10,000 lb) in flat terrain (0-8%) with low skidding resistance. 525B- Skidding loads less than 4500 kg (10,000 lb) in flat terrain (0-5%) with low skidding resistance. 527- Skidding loads less than 6360 kg (14,000 lb) in flat terrain (0-8%) with low skidding resistance. | -20 | 40 | -4 | 104 | 2 | Utility Grease |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

TK370

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Forestry Products

TK370 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 55K11587-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| WBD1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| FILTER AS-HYD | 2 | 465-8903 | - | 465-8903 |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |

TK371

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 55K12201-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| WBG1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| FILTER AS-HYD | 2 | 465-8903 | - | 465-8903 |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

TK380

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 55K11067-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

TK380 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| WBE1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2504 | - | - |
| FILTER AS-HYD | 2 | 465-8903 | - | 465-8903 |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |

TK381

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 55K12115-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| WBH1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| FILTER AS-HYD | 2 | 465-8903 | - | 465-8903 |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

TK711

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 1011-244 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| 1011-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Forestry Products

TK711 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 4ZF4479-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| THX1-33113(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

TK721

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 1021-344 | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| 1021-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 4ZF4479-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

TK722

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 1031-444 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1031-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |

TK722 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 4ZF4479-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

TK732

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 1041-544 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| 1041-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 4ZF4479-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

TK741

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Forestry Products

TK741 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 2021-224 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| 2021-UP | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 2 | 126-2075 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 202225-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| 4ZF10811-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

TK751

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 3011-1114 | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| 3011-324 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| 3011-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 2 | 126-2075 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 301325-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| 4ZF11157-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| THX345-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

TK752

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

TK752 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 3021-1144 | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 3021-424 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| 3021-UP | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 2 | 126-2075 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 302425-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| 4ZF11157-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| THX345-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

TK1051

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 3PD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 9HZ1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 2 | 185-8154 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1403 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 184-3931 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 41-3948 | 184-3931 | 126-1813 |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Oil | 1 | 093-7521 | - | - |

227

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Forestry Products

227 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 10W1-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 79V11612-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 79V8432-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0713 | - | - |

511

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 5111-302 | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| 5111-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 511287-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| 511303-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

521

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 5211-319 | | | | |
| Hydraulic | 2 | 126-2075 | - | - |
| 5211-337 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |

521 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 5211-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| 521316-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| 521338-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

522

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 5221-250 | | | | |
| Hydraulic | 2 | 126-2075 | - | - |
| 5221-272 | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| 5221-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 522248-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| 522273-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

522C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Forestry Products

522C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 07Z28250-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2WL1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 2 | 129-8357 | - | - |

532

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 5321-176 | | | | |
| Hydraulic | 2 | 126-2075 | - | - |
| 5321-179 | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| 5321-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 532177-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| 532180-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

533

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 55K11067-UP(Engine) | | | | |
| Fuel - FWS | 1 | 176-5618 | - | - |

533 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| 55K8343-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| CDR1-194 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 6C-9226 | - | - |
| CDR1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| FILTER AS-HYD | 2 | 465-8903 | - | 465-8903 |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |

539

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1PZ1-UP | | | | |
| Air | 1 | 208-2891 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 107-6995 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 126-2081 | 179-9806 | 126-2131 |
| 55K1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

541

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 5411-211 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| 5411-230 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |

Forestry Products

541 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 5411-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 541212-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| 541231-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

543

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 55K8950-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| ASJ1-UP | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| FILTER AS-HYD | 2 | 465-8903 | - | 465-8903 |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |

550

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

550 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 6JK1961-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 7ZN1-206 | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 7ZN1-UP | | | | |
| Air - Cab | 1 | 169-1476 | - | - |
| Air - Cab | 1 | 166-0559 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 174-6221 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 163-4032 | - | - |
| Hydraulic | 1 | 161-4741 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 7ZN207-207 | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |
| 7ZN208-209 | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 7ZN210-211 | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |
| 7ZN212-212 | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 7ZN213-UP | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |

550B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CPT1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| SAW1-UP | | | | |
| Air - Cab | 1 | 166-0559 | - | - |
| Air - Cab | 1 | 169-1476 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 174-6221 | - | - |
| Hydraulic | 2 | 163-4032 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 1 | 161-4741 | - | - |
| Oil | 1 | 093-7521 | - | - |

551

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Forestry Products

551 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 5511-117 | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| 5511-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 551118-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

552

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 5521-148 | | | | |
| Hydraulic | 2 | 126-2075 | - | - |
| 5521-154 | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| 5521-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| 552146-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |
| 552155-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

554

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

554 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 1AM1-UP | | | | |
| Air - Cab | 1 | 166-0559 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 161-5025 | - | - |
| Hydraulic | 1 | 163-4032 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Oil | 1 | 093-7521 | - | - |
| 7BJ1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| TGH1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 163-4032 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Oil | 1 | 093-7521 | - | - |

560B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CPT1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TRA1-UP | | | | |
| Air - Cab | 1 | 166-0559 | - | - |
| Air - Cab | 1 | 169-1476 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Hydraulic | 1 | 174-6221 | - | - |
| Hydraulic | 1 | 161-4741 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic | 2 | 163-4032 | - | - |
| Oil | 1 | 093-7521 | - | - |

Forestry Products

564

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CPT1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |
| KBN1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 152-7217 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 163-4032 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Oil | 1 | 093-7521 | - | - |

570

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 4XR1-310 | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 4XR1-UP | | | | |
| Air - Cab | 1 | 166-0559 | - | - |
| Air - Cab | 1 | 169-1476 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 174-6221 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 161-4741 | - | - |
| Hydraulic | 2 | 163-4032 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 4XR311-UP | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |
| 6JK1880-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |

570B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

570B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| BMA1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| CKG1-UP | | | | |
| Air - Cab | 1 | 169-1476 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 166-0559 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 174-6221 | - | - |
| Hydraulic | 2 | 163-4032 | - | - |
| Hydraulic | 1 | 161-4741 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - |

574

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 1FM1-260 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 1FM1-333 | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| 1FM1-433 | | | | |
| Hydraulic | 1 | 161-5025 | - | - |
| 1FM1-UP | | | | |
| Air - Cab | 2 | 166-0559 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel Primary | 1 | 146-6695 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 163-4032 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Oil | 1 | 093-7521 | - | - |
| 1FM261-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 1FM434-UP | | | | |
| Hydraulic | 1 | 126-2075 | - | - |
| 6JK1922-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |

574B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Forestry Products

574B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CPT1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |
| CZZ1-UP | | | | |
| Air - Cab | 2 | 166-0559 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic | 1 | 163-4032 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| RLS1-UP | | | | |
| Air - Cab | 1 | 170-7272 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 163-4032 | - | - |
| Hydraulic | 1 | 126-2075 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Oil | 1 | 093-7521 | - | - |

580

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 6JK1933-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 7CN1-218 | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 7CN1-UP | | | | |
| Air - Cab | 1 | 169-1476 | - | - |
| Air - Cab | 1 | 166-0559 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 161-4741 | - | - |
| Hydraulic | 1 | 174-6221 | - | - |
| Hydraulic | 2 | 163-4032 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - |
| 7CN219-219 | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |
| 7CN220-310 | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 7CN311-311 | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |
| 7CN312-313 | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 7CN314-UP | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |

580B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| BMA1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| CLT1-UP | | | | |
| Air - Cab | 1 | 169-1476 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 166-0559 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 174-6221 | - | - |
| Hydraulic | 2 | 163-4032 | - | - |
| Hydraulic | 1 | 161-4741 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |
| Oil | 1 | 093-7521 | - | - |

584

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 1081-UP | | | | |
| Air | 1 | 345-1947 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Filter | 1 | 385-2583 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1091-UP | | | | |
| Air | 1 | 345-1947 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Filter | 1 | 385-2583 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| PAK1-256 | | | | |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| PAK1-279 | | | | |
| Element | 1 | 351-6015 | - | - |
| PAK1-UP | | | | |
| Air | 1 | 345-1947 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| PAK257-293 | | | | |
| Transmission | 1 | 341-6643 | - | - |
| PAK280-UP | | | | |

Forestry Products

584 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Filter | 1 | 385-2583 | - | - |
| PBK1-249 | | | | |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| PBK1-267 | | | | |
| Element | 1 | 351-6015 | - | - |
| PBK1-UP | | | | |
| Air | 1 | 345-1947 | - | - |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| PBK250-276 | | | | |
| Transmission | 1 | 341-6643 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| PBK268-UP | | | | |
| Filter | 1 | 385-2583 | - | - |
| PBK277-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| TX71-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

1090 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| BZJ1-1119 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| BZJ1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BZJ2110-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |

1190

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| BZK1-1219 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |

1190 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 185-8154 | - | - |
| BZK1-2162 | | | | |
| Hydraulic | 2 | 126-2075 | - | - |
| BZK1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BZK2160-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |

1190 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| BZK1-1219 | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| BZK1-2162 | | | | |
| Hydraulic | 2 | 126-2075 | - | - |
| BZK1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1404 | - | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BZK2160-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |

1190T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| BZL1-1319 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| BZL1-2211 | | | | |
| Hydraulic | 2 | 126-2075 | - | - |
| BZL1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| FILTER AS-HYD | 2 | 465-8903 | - | 465-8903 |

Forestry Products

1190T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Oil | 1 | 093-7521 | - | - |
| BZL2211-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |

1190T II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| BZL1-1319 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 185-8154 | - | - |
| BZL1-2211 | | | | |
| Hydraulic | 2 | 126-2075 | - | - |
| BZL1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| FILTER AS-HYD | 2 | 465-8903 | - | 465-8903 |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BZL2211-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |

1290T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| BZM1-1419 | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| BZM1-2259 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| BZM1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BZM2260-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |

1290T II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| BZM1-1419 | | | | |
| Air - Cab | 1 | 185-8154 | - | - |
| BZM1-2259 | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| BZM1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 126-2075 | - | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| BZM2260-UP | | | | |
| Hydraulic | 1 | 5I-8670 | - | - |

1390

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| B3F1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| Hydraulic | 2 | 126-2075 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |

2290

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| P2D1-249 | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |

Forestry Products

2290 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 142-1404 | - | - |
| P2D1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| P2D250-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

2390

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| P3H1-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| P3H250-250 | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| P3H250-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| P3H251-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

2391

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

2391 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| P4K1-249 | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| P4K1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| P4K250-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

2491

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| P5J1-250 | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| P5J1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| P5J251-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

2590

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Forestry Products

2590 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| P6B1-249 | | | | |
| Air Primary | 1 | 142-1339 | - | 220-0453 |
| Air Secondary | 1 | 142-1404 | - | - |
| P6B1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 5I-8670 | - | - |
| Hydraulic - ADV | 3 | 1R-0792 | 1R-0792 | 167-2009 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Oil | 1 | 093-7521 | - | - |
| P6B250-UP | | | | |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Integrated Toolcarriers

Oils - Hydraulic Systems

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmission

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Powershift Transmissions | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W {1} | -20 | 10 | -4 | 50 |
| | Cat TDTO | SAE 30 | 0 | 35 | 32 | 95 |
| | Cat TDTO | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-Grade | -15 | 43 | 5 | 110 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Drive Axles - Med Compactors (815-826 Series) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -25 | 15 | -4 | 59 |
| | | SAE 30 {1} | -20 | 43 | -4 | 95 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -25 | 43 | -13 | 110 |
| {1} Factory Fill Fluid | | | | | | |

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|--|--|---|-----|-----|-----|--------------------------|-------------------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Articulation Bearings, Axle Oscillation Bearings, Bucket Pivot Bearings, Drive Shaft Spline, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Frame Pivot Bearings, Steering Cylinder Bearings, Steering Shaft, Wheel Brake Camshafts | High | Continuous and aggressive tight truck loading, hard bank excavation, an shot rock loading from a face. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| Medium | Maximum productivity in aggregate truck loading and hopper charging. Assumes the normal tramming and load and carry associated with the high productivity stockpile load-out and batch plant applications. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease | |
| | | Low | Light utility, construction, low production aggregate truck loading, and most logging applications where there is considerable idling, empty traveling, and load and carry. | -20 | 40 | -4 | 104 | 2 |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

IT12F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Integrated Toolcarriers

IT12F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1KF1-1004 | | | | |
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| 1KF1-819 | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| 1KF1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |
| Air Primary-Radial Seal | 1 | 7W-3920 | - | - |
| Air Secondary | 1 | 7C-1062 | - | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| 1KF1005-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1KF820-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 4I-7575 | - | - |
| Air Secondary | 1 | 6I-6582 | - | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 2ZF1-7590(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2ZF1-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| 2ZF7591-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

IT14G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| 1WN1-1378 | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| 1WN1-659 | | | | |
| Air Primary | 1 | 4I-7575 | - | - |
| Air Secondary | 1 | 122-4550 | - | - |
| 1WN1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1WN1039-UP | | | | |
| Fuel - FWS | 1 | 163-4465 | - | - |
| 1WN1334-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| 1WN251-1038 | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |
| 1WN660-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| 5HK11200-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 8ZM1-331 | | | | |
| Air Primary | 1 | 4I-7575 | - | - |
| Air Secondary | 1 | 122-4550 | - | - |

IT14G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 8ZM1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 111-8738 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 8ZM196-525 | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |
| 8ZM332-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| 8ZM526-UP | | | | |
| Fuel - FWS | 1 | 163-4465 | - | - |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| FWL1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| KZM1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

IT18B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1DF1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 1DF1085-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |
| 1DF351-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 45V57072-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4ZD1-UP | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| 4ZD377-UP | | | | |
| Hydraulic | 1 | 4T-3134 | - | - |

Integrated Toolcarriers

IT18F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2FG1500-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2FG1600-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| 2FG4905-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 5EJ1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6ZF1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 97Z156-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Engine Oil | 1 | 7C-0896 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 97Z388-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

IT24F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2FG3960-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |

IT24F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 6I-2693 | - | - |
| 2FG6264-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4NN1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4RR1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4RR223-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |
| Fuel | 1 | 6I-2693 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 4RR690-UP(Engine) | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 6KN1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 97Z1450-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 97Z3228-UP(Engine) | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 97Z5313-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |

IT28

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 2KC1-1165 | | | | |
| Air Primary | 1 | 8N-5389 | - | - |
| 2KC1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |
| Air Secondary | 1 | 8N-4901 | - | - |

Integrated Toolcarriers

IT28 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| 2KC1166-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| 45V1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| 45V39562-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8JB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 8JB822-1105 | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |

IT28B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1HF1-UP | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| 1HF587-UP | | | | |
| Hydraulic | 1 | 4T-3134 | - | - |
| 45V56301-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5SD1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 5SD340-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 5SD996-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |
| 7YJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

IT28F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1JL1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |

IT28F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1JL203-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 3CL1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 4T-3134 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4TF14727-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF8700-14726(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4TF8700-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 6RR1-88711(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z15832-UP(Engine) | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 98Z4539-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z820-4538(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z820-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

IT28G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4TF25000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 6RR1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

Integrated Toolcarriers

IT28G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 8CR1-UP | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 8CR1703-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 8CR2062-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| 8CR958-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 98Z1-30381(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 98Z131-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 9AR1-669 | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| 9AR1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 9AR447-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 9AR670-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| CPT1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| DBT1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission | 1 | 341-6643 | - | - |
| EWF1-372 | | | | |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| EWF1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Fuel | 1 | 234-7967 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| EWF373-UP | | | | |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| WAC1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |

IT28G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel Secondary | 1 | 145-4501 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

IT38F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 4TF22700-28599(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF22700-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 4TF28600-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 4TF32198-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 5DR1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5DR268-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 6FN1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6FN439-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 98Z17000-26077(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z21181-26077(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z7720-16999(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z7720-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

Integrated Toolcarriers

IT38G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 1CW1-328 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 1CW1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 55K652-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6JK1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 7BS1-404 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 7BS1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 7BS405-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |

IT38G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5GG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| BMA20888-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| BMA28000-UP(Engine) | | | | |

IT38G II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| CSX1-520 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| CSX1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CSX521-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |
| JAN1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

IT38H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C6E5531-26354(Engine) | | | | |
| Fuel Primary | 1 | 322-9532 | - | - |
| G9G1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Fuel Primary | 1 | 322-9532 | - | - |
| JNJ1-389 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| JNJ1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| JNJ329-520 | | | | |
| Fuel | 1 | 311-1110 | - | - |
| JNJ329-UP | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| JNJ390-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |

Integrated Toolcarriers

IT38H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| JNJ521-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 346-0523 | - | - |

IT62G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 55K2852-UP(Engine) | | | | |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 55K5148-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 6JK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6PS1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AKP1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

IT62G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| AYA1-216 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| AYA1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |

IT62G II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TX61-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

IT62H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C7C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| M5G1-602 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| M5G1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| M5G603-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |

Motor Graders

Coolants

| Cat Recommended Coolants | |
|---|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS•SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Oils - Hydraulic Systems

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Drain Interval with SOS |
|---|-----------------------|--------------------|-----|-----|-----|------------|-------------------------|-------------------------|
| | | | Min | Max | Min | Max | | |
| Hydraulic Systems, Swing Motor and Travel Motor | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours |
| | Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours |
| | Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours |
| | Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours |
| | Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours |
| | Cat MTO | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours |
| | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours |
| | Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours |
| | Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours |
| | Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours |
| | Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours | |
| Hydraulic Systems for M Series Motor Graders | Cat HYDO Advanced 10 | SAE 10W {1} | -15 | 40 | 5 | 104 | 3000 hours | 6000 hours |
| | Cat HYDO Advanced 30 | SAE 30 | 20 | 50 | 68 | 122 | 3000 hours | 6000 hours |
| | Cat BIO HYDO Adv | ISO 46 Multi-grade | -25 | 45 | -13 | 113 | 3000 hours | 6000 hours |
| | Cat TDTO Cold Weather | SAE 0W-20 | -25 | 40 | -13 | 104 | 3000 hours | 6000 hours |
| | Cat DEO Cold Weather | SAE 0W-40 | -35 | 40 | -31 | 104 | 2000 hours | 4000 hours |

{1} Factory Fill Fluid

Oils - Transmission

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|-------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Transmission | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 {1} | 0 | 35 | 32 | 95 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| Cat TDTO TMS | Multi-grade | -15 | 43 | -5 | 110 | |
| All Wheel Drive Gearbox | Cat TDTO | SAE 50 {1} | -15 | 50 | -5 | 122 |

{1} Factory Fill Fluid

Motor Graders

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Differential and Final Drive | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 {1} | 0 | 35 | 32 | 95 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -15 | 43 | -5 | 110 |
| Tandem Drive and Wheel Spindle Bearings | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W | -20 | 20 | -4 | 68 |
| | | SAE 30 {1} | -10 | 40 | 14 | 104 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -15 | 43 | -5 | 110 |

{1} Factory Fill Fluid

Oils - Circle Drive

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Circle Drive except 16H, 24H, 16M, and 24M Series | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| Circle Drive for 16H, 24H, 16M, and 24M Series | FDAO SYN | Multi-grade {1} | -15 | 50 | 5 | 122 |

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|---|---------------------------------------|---|---------------------------|-----|-----|-----|------------|-------------------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Articulation Bearings, Articulation Pins, Blade Lift Cylinder Socket, Centershift Cylinder Socket, Fan Drive Belt Tightener, Pump Drive Shaft | High | Ditching, fill spreading, spreading base material, ripping, heavy road maintenance, snow plowing. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| | Medium | Average road maintenance, road mix work, scarifying, snow plowing. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| | Low | Finish grading, light maintenance, road travel. | -20 | 40 | -4 | 104 | 2 | Utility Grease |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

12G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2EA1-18591(Transmission) | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2EA1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 2EA18592-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 2EA25000-UP(Transmission) | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3PL1-841 | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| 3PL1-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| 3PL842-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| 3WC1-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3WC1045-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| 3WC1067-UP | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 2S-1285 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| 4LE1-350(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 61M1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |

Motor Graders

12G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 61M11963-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 2 | 4T-3131 | - | - |
| Power Train - UHE | 2 | 132-8875 | - | 132-8875 |
| 61M12027-14996 | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 61M1483-7355 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 61M8401-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8TD4500-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

12H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 12S1-UP | | | | |
| Air - Cab | 2 | 231-4487 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary - Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

12H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2GS1-379 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 2GS1-652 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 2GS1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 2GS380-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2GS653-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 2LR1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 2WR1-565 | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| 2WR1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2WR1194-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 2WR526-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| 2WR566-UP | | | | |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 4ER1-551 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 4ER1-840 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 4ER1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |

Motor Graders

12H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 4ER1134-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 4ER552-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4ER841-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 4XM1-1147 | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| 4XM1-2008 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 4XM1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4XM1148-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4XM2009-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 4ZF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 5ZM1-297 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 5ZM1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 5ZM298-303 | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 5ZM298-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8MN1-627 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 8MN1-917 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 8MN1-UP | | | | |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |

12H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 8MN460-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 8MN628-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8MN918-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 8TD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| AMZ1-821 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| AMZ1-UP | | | | |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| AMZ822-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| CBK1-UP | | | | |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| XZJ1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

Motor Graders

12K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| JJA1-3072 | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| JJA1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| JJA3073-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| KHX1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| SZP1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

12M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| B921-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 245-6375 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 245-6376 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

12M (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B9F1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| B9F1369-UP | | | | |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| B9F325-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B9F670-UP | | | | |
| Filter | 1 | 357-5031 | - | - |
| B9R1-UP | | | | |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B9R170-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 346-0523 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| B9R32-UP | | | | |
| Engine Oil | 1 | 338-3540 | - | - |
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| CZM1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| G9G1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| MKD1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| R9B1-127 | | | | |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| R9B1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| TSZ1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

Motor Graders

14G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2CA1-1403(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2CA1404-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 96U1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 96U4785-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 96U560-4126 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 96U6695-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| 96U6984-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 96U7046-8861 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 96U8862-8873 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 96U8874-8874 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 96U8875-8875 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 96U8876-8876 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 96U8877-8879 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 96U8880-8880 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |

14G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 96U8881-8891 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 96U8892-8893 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 96U8894-8917 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 96U8918-8918 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 96U8919-8934 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| 96U8935-8935 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 96U8936-8953 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 96U8954-9581 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

14H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z84300-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z98627-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 3PD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 5LX1-1598(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 5LX1599-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

Motor Graders

14H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7WJ1-1121 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 7WJ1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7WJ1122-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| ASE1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| BSS1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

14M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| B9J1-1450 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| B9J1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Filter Element As-Air | 1 | 380-8942 | - | - |
| Filter Element As-Air | 1 | 380-8941 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |

14M (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| B9J121-1450 | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B9J288-1450 | | | | |
| Engine Oil | 1 | 338-3540 | - | - |
| DZM1601-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| R9J1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Filter Element As-Air | 1 | 380-8942 | - | - |
| Filter Element As-Air | 1 | 380-8941 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| RSX1-UP(Engine) | | | | |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| SLZ1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| TXE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

16G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2DA1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------------|----------|-------------|----------|-----------------------|
| 2DA1741-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 70V20135-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 70V4105-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 70V8265-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Motor Graders

16G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 93U1-1658 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 93U1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 93U1869-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 93U2458-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 93U2511-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| 93U2662-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 93U3460-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| A5X507-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| A5Y1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

16H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 11N13000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5ED478-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------------|----------|-------------|----------|-----------------------|
| 5MX1-1024(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 5MX1025-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 6ZJ1-168 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 6ZJ1-508 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 6ZJ1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |

16H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 6ZJ509-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| ATS1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| DWH1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| TXC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

16M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| B9H1-UP | | | | |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B9H260-UP | | | | |
| Engine Oil | 1 | 338-3540 | - | - |
| DZM1601-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| MHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Motor Graders

16M (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| MHX1304-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| R9H1-UP | | | | |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| R9H456-UP | | | | |
| Filter Element As-Air | 1 | 380-8942 | - | - |
| Filter Element As-Air | 1 | 380-8941 | - | - |
| SLZ1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| TXF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

24H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 7KK1-66 | | | | |
| Air Primary | 1 | 078-0070 | - | - |
| 7KK1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab Recirculation | 1 | 154-7108 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 4I-3950 | 4I-3950 | 126-1814 |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 130-3214 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 185-0337 | 185-0337 | 126-1814 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 4C-6860 | - | 4C-6860 |
| 80M1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

24M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| B931-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary | 1 | 245-3818 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 245-3819 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter Element As-Air | 1 | 380-8942 | - | - |
| Filter Element As-Air | 1 | 380-8941 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 197-1993 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B93129-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |
| B9K1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab Recirculation | 1 | 154-7108 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 197-1993 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B9K315-UP | | | | |
| Engine Oil | 1 | 338-3540 | - | - |
| B9K545-UP | | | | |
| Filter Element As-Air | 1 | 380-8942 | - | - |
| Filter Element As-Air | 1 | 380-8941 | - | - |
| B9K663-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |
| RHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| RHX2054-UP(Engine) | | | | |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| RHX2094-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| TXH1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Motor Graders

120G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 07Z1-499(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 07Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 07Z6688-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 11W1239-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| 11W1251-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 2S-1285 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| 2FA1-UP(Transmission) | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| 4HD1-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| 4ME1-334(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4ME335-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 87V1-UP | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 87V5734-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 87V736-5039 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 87V736-737 | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 87V739-743 | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 87V745-746 | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 87V750-754 | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 87V760-761 | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 87V763-768 | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

120G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 87V770-771 | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 87V776-5039 | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 87V8319-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 2 | 4T-3131 | - | - |
| Power Train - UHE | 2 | 132-8875 | - | 132-8875 |
| 87V8360-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 2S-1285 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2500 | - | - |
| 8XE1-UP(Transmission) | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| 9CB1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

120H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1241-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2AN1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2AN318-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |

Motor Graders

120H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4MK1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4TF48881-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 5FM1-2629 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 5FM1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 5FM2630-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 5GG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6NM1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6TM1-427 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 6TM1-442 | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6TM1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 6TM428-442 | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 6YN1-318 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 6YN1-344 | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| 6YN1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |

120H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 6YN319-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 98Z1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z4100-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9YR1-658 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 9YR1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| ALZ1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| CAF1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

120K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Motor Graders

120K (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| JAP1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| KHX1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| SZN1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

120M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| B9C1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| B9C1064-UP | | | | |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| B9C288-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B9C518-UP | | | | |
| Filter | 1 | 357-5031 | - | - |
| B9N1-UP | | | | |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |

120M (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Filter | 1 | 357-5031 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| B9N153-UP | | | | |
| Engine Oil | 1 | 338-3540 | - | - |
| B9N206-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B9N343-UP | | | | |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| B9W1-UP | | | | |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| B9W127-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| CBS1-UP | | | | |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| CZM1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| D9W1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| D9W109-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| D9W139-UP | | | | |
| Filter | 1 | 357-5031 | - | - |
| DJZ1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| G9G1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| GMG1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| MGT1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| NJD1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |

Motor Graders

120M (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| PJB1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| R9A1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| R9C1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| RMY1-UP | | | | |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

130G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------------|----------|-------------|----------|-----------------------|
| 07Z1-499(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 07Z500-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 07Z5694-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 12W1-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 12W1082-UP | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 2S-1285 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| 12W696-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| 1HC1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| 2EA1-18591(Transmission) | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2EA1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 2EA18592-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| 4LE1-350(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4LE351-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 74V1-UP | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 74V1771-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 74V2310-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 2 | 4T-3131 | - | - |
| Power Train - UHE | 2 | 132-8875 | - | 132-8875 |
| 74V2321-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 2S-1285 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| 74V388-1582 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8YE1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |

Motor Graders

135H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3YK1-352 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 3YK1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3YK353-599 | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 4TF60931-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 5GG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 7MM1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8WN1-795 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 8WN1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 8WN796-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 98Z4100-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| AMX1-191 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| AMX1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

135H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| BDJ1-110 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| BDJ1-117 | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| BDJ1-UP | | | | |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| BDJ111-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| CBC1-270 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| CBC1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |

140G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z1-1628(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 08Z1-UP(Engine) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Motor Graders

140G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------------|----------|-------------|----------|-----------------------|
| 13W1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13W443-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| 13W736-992 | | | | |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| 13W741-992 | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 2EA1-UP(Transmission) | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2EA18592-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 4LE1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 5MD1-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 72V1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 72V10214-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 2 | 4T-3131 | - | - |
| Power Train - UHE | 2 | 132-8875 | - | 132-8875 |
| 72V10334-UP | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 72V404-4004 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

140G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 72V4837-UP | | | | |
| Air - Cab | 1 | 5G-1913 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 8TD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| KHX16810-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

140H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z75200-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1261-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2ZK1-3425 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 2ZK1-3865 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 2ZK1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 2ZK3426-UP | | | | |

Motor Graders

140H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2ZK3866-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 3AS1-474 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 3AS1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 3AS475-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3FR1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3PD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 5HM1-1411 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 5HM1-2102 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HM1-UP | | | | |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 5HM1412-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 5HM2103-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8JM1-289 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 8JM1-290 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 8JM1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 8JM290-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8JM291-295 | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 8KM1-297 | | | | |

140H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 8KM1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 8KM298-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8TD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9TN1-1453 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 9TN1-796 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 9TN1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 9TN1454-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 9TN797-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9ZN1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9ZN647-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| APM1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |

Motor Graders

140H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| APM2575-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| ARF1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| CCA1-1867 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| CCA1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| XZH1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

140K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| JPA1-3422 | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| JPA1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |

140K (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| JPA3423-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| KHX10139-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| SZL1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

140M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| B9D1-1412 | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| B9D1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B9D4226-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| B9G1-1056 | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B9G1-251 | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| B9G1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |

Motor Graders

140M (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| B9G1001-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| B9M1-548 | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| B9M1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| B9M255-UP | | | | |
| Engine Oil | 1 | 338-3540 | - | - |
| B9M931-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| CZM1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| D9G1-208 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| D9G1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| D9G1001-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| MKD1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TSZ1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

143H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1A11-1246 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1A11-557 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 1A11-628 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 1A11-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 1A11235-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 1A11247-UP | | | | |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 130-3214 | - | - |
| Hydraulic - UHE | 1 | 4C-6860 | - | 4C-6860 |
| 1A1558-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3PD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| APN1-774 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| APN1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 147-0178 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| APN556-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

Motor Graders

143H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

160G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------------|----------|-------------|----------|-----------------------|
| 08Z32206-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2EA1-18591(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2EA18592-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 4JD141-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 2 | 4T-3131 | - | - |
| Power Train - UHE | 2 | 132-8875 | - | 132-8875 |
| 4JD184-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

160H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z96239-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

160H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2FM1-487 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 2FM1-684 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 2FM1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 2FM488-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2FM685-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 2HS1-383 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 2HS1-UP | | | | |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 2HS384-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3GM1-205 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 3GM1-88 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 3GM1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 3GM206-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 3GM89-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3HR1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3PD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6NC1-5230(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

Motor Graders

160H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6WM1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8TD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8TD10000-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 9EJ1-610 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 9EJ1-693 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 9EJ1-UP | | | | |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 9EJ611-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9EJ694-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 9JM1-355 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 9JM1-359 | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 9JM1-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 9JM356-359 | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| 9JM356-UP | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| ASD1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |

160H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| ASD194-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| ATB1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| CCP1-UP | | | | |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| XZK1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

160K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| JBP1-UP | | | | |
| Air - Cab | 1 | 8X-2925 | - | - |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 232-1732 | - | - |
| Air - Cab | 1 | 231-4486 | - | - |
| Air - Cab | 2 | 231-4487 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

Motor Graders

160K (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - | Air - Cab | 1 | 7T-7358 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 | Air - Cab | 1 | 232-1732 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - | Air Primary | 1 | 245-6375 | - | - |
| JBP107-UP | | | | | Air Secondary | 1 | 245-6376 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Fuel - FWS | 1 | 174-9570 | - | - |
| KHX10139-UP(Engine) | | | | | Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| SZM1-UP | | | | | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Air - Cab | 2 | 231-4487 | - | - | Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Air - Cab | 1 | 231-4486 | - | - | Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| Air - Cab | 1 | 8X-2925 | - | - | | | | | |

160M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|-------------------------|----------|-------------|----------|-----------------------|
| B9E1-UP | | | | | B9L1-506 | | | | |
| Air - Cab | 1 | 220-8800 | - | 220-8800 | Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| Air - Cab | 1 | 149-1912 | - | 220-8800 | B9L1-UP | | | | |
| Air - Cab Recirculation | 1 | 211-2660 | - | - | Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air Primary | 1 | 245-6375 | - | - | Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air Secondary | 1 | 245-6376 | - | - | Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Engine Oil | 1 | 338-3540 | - | - | Air Primary | 1 | 245-6375 | - | - |
| Filter | 1 | 357-5031 | - | - | Air Secondary | 1 | 245-6376 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - | Filter | 1 | 357-5031 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - | Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 191-9784 | - | - | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 | Hydraulic | 1 | 191-9784 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - | Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

160M (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| B9L243-UP | | | | |
| Engine Oil | 1 | 338-3540 | - | - |
| B9T1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| CZM1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| D9T1-UP | | | | |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab Recirculation | 1 | 211-2660 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Engine Oil | 1 | 338-3540 | - | - |
| Filter | 1 | 357-5031 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| MKD1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TSZ1-UP(Transmission) | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Off-Highway Trucks

Coolants

| | |
|--|--|
| Cat Recommended Coolants | |
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Oils - Hoist and Brakes System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Hoist, Torque Converter, and Brake System | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 |
| | Cat TDTO | SAE 10W {1} | -20 | 50 | -4 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Hydraulic System, Steering

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|--------------------|------------|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Steering System except for 785D, 793D, 793F, and 797 (all models) | Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 |
| | Cat HYDO Adv 30 | SAE 30 | 10 | 50 | 50 | 122 |
| | Cat BIO HYDO Adv | ISO 46 Multi-grade | -20 | 40 | -4 | 104 |
| | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 |
| | Cat DEO/DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 |
| | | | SAE 15W-40 | -15 | 50 | 5 |
| | Cat TDTO | SAE 10W | -20 | 40 | -4 | 104 |
| | | | SAE 30 | 10 | 50 | 50 |
| | Cat MTO | Multi-grade | -20 | 40 | -4 | 104 |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | |
| Steering System for 785D, 793D, 793F, 795F, 797B, and 797F | Cat HYDO Adv 30 | SAE 30 {1} | -5 | 50 | 23 | 122 |
| | Cat BIO HYDO Adv | ISO 46 Multi-grade | -25 | 35 | -13 | 95 |
| | Cat DEO/DEO-ULS | SAE 15W-40 | -15 | 50 | 5 | 122 |
| | Cat TDTO | SAE 30 | -5 | 50 | 23 | 122 |
| | Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 |

{1} Factory Fill Fluid

Oils - Transmission

Some Off-Highway Truck torque converters have a common sump with the transmission. These torque converters will use the same fluid recommendations as the transmission. The affected Off-Highway Truck models include 769D, 770, 771D, 772, 773D, 773E, 773F, 775D, 775E, 775F, 793C-F, and all 797 models.

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Power Shift Transmission except 768C, 768D, 769C, 769D, 770, 771C, 771D, 772, and all 797 models | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 {1} | 0 | 50 | 32 | 122 |
| | Cat TDTO TMS | Multi-grade | -10 | 50 | 14 | 122 |
| Power Shift Transmission for 768C, 768D, 769C, 769D, 770, 771C, 771D, and 772 | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 22 | -40 | 72 |
| | Cat TDTO | SAE 10W {1} | -20 | 22 | -4 | 72 |
| | | SAE 30 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | 10 | 50 | 50 | 122 |
| Power Shift Transmission for all 797 models | Cat TDTO | SAE 30 {1} | -6 | 50 | 21 | 122 |

{1} Factory Fill Fluid

Off-Highway Trucks

Oils - Final Drives / Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

For Temperatures below -10°C, refer to OMM or SEBU6250 for oil warm-up procedure.

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|--------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Differential, Front Wheels and Final Drives | Cat FDAO | SAE 60 {1} | -10 | 50 | 14 | 122 |
| | Cat FDAO SYN | Multi-grade | -10 | 50 | 14 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Special Application

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Power Stairway for 795 AC | Cat TDTO Cold Weather | SAE 0W-20 | 0 | 50 | 32 | 122 |
| | Cat TDTO | SAE 10W {1} | 0 | 50 | 32 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|---------------------------------------|---------------------|---------------------------|-----|-----|-----|------------|-------------------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Belt Tightener, Drive Shaft Slip Joint, Drive Shaft Spline, Drive Shaft Universal Joint, Fan Drive Pulley, Hoist Control Bellcrank, Hoist Cylinder Bearing, Pump Drive Universal Joint, Front and Rear Axle A-Frame Bearing, Steering Cylinder End, Steering Linkage, Steering Tie Rod and Pin Bearings, Swaybar, Tachometer Drive | High | 40-50% load factor. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| | Medium | 30-40% load factor. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| | Low | 20-30% load factor. | -20 | 40 | -4 | 104 | 2 | Utility Grease |
| Autolube System | | | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

Off-Highway Trucks

769C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 01X1-3745 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 01X1-UP | | | | |
| Air - Cab | 1 | 2G-1946 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 01X2127-4885 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 01X2877-5473 | | | | |
| Air - Cab | 1 | 8D-6644 | - | - |
| Air Primary | 1 | 8M-3119 | - | - |
| 01X2877-UP | | | | |
| Power Train | 1 | 6P-4603 | - | - |
| 01X3145-UP | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 01X5474-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 9X-8241 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| 48W28610-UP(Engine) | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 48W4828-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 48W9075-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5XD1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

769D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 5SS1-UP | | | | |
| Air - Cab | 1 | 282-5339 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |

Off-Highway Trucks

769D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 132-5447 | - | - |
| Power Train | 1 | 132-5448 | - | - |
| 5SS400-UP | | | | |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| 5TR1-1054 | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| 5TR1-368 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 5TR1-504 | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 5TR1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 5XD1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 99C1300-UP(Engine) | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 99C1717-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| BBB1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 132-5448 | - | - |
| Power Train | 1 | 132-5447 | - | - |

770

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| BZZ1-UP | | | | |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 246-5010 | - | - |
| Air Secondary | 1 | 142-1403 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 155-6061 | - | - |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Power Train | 1 | 132-5448 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Transmission | 1 | 343-4464 | - | - |
| BZZ761-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| JND1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| M7W1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

771C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Off-Highway Trucks

771C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 3BJ1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 9X-8241 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3BJ92-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| 48W34165-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 48W34199-UP(Engine) | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

771D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 5XD1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6JR1-108 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 6JR1-134 | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 6JR1-UP | | | | |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6YS1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |

771D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 132-5447 | - | - |
| Power Train | 1 | 132-5448 | - | - |
| 6YS251-UP | | | | |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 99C1717-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Coolant | 1 | 435-5142 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| BCA1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 132-5447 | - | - |
| Power Train | 1 | 132-5448 | - | - |

772

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| RHX1-2123(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| RHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| RLB1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Primary | 1 | 142-1340 | - | 220-0454 |
| Air Secondary | 1 | 142-1403 | - | - |

Off-Highway Trucks

772 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 246-5010 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 2 | 155-6061 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Power Train | 1 | 6P-4603 | - | - |
| Power Train | 1 | 132-5448 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| TXH1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

772B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 64W1-UP | | | | |
| Air - Cab | 1 | 9X-8241 | - | - |
| Air - Cab | 1 | 2G-1946 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 64W155-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 64W161-173 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 7W-5313 | - | - |
| 64W168-180 | | | | |
| Air - Cab | 1 | 8D-6644 | - | - |
| Air Primary | 1 | 8M-3119 | - | - |
| 64W181-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| 73W1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 73W5163-9609(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 73W6395-UP(Engine) | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 80M1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

773B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5JJ1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| 63W1-UP | | | | |
| Air - Cab | 1 | 2G-1946 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 63W1221-3159 | | | | |
| Air Primary | 1 | 8M-3119 | - | - |
| 63W1221-3295 | | | | |
| Air - Cab | 1 | 8D-6644 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| 63W3296-UP | | | | |
| Air - Cab | 1 | 9X-8241 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| 63W844-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 73W1-5162(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 73W1-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 73W5163-9609(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 73W6395-UP(Engine) | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 73W9610-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 80M1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

773D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 1KR1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5JJ1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Off-Highway Trucks

773D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7CS1-UP | | | | |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 132-5448 | - | - |
| Power Train | 1 | 132-5447 | - | - |
| 7CS481-UP | | | | |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| 7ER1-273 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 7ER1-UP | | | | |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 80M1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| NBJ1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - FR | 2 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 132-5447 | - | - |
| Power Train | 1 | 132-5448 | - | - |
| Transmission | 2 | 341-6643 | - | - |

773E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

773E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5JJ264-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 80M5383-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| ASK1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - FR | 2 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 132-5448 | - | - |
| Power Train | 1 | 132-5447 | - | - |
| Transmission | 2 | 341-6643 | - | - |
| BDA1-UP | | | | |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 132-5448 | - | - |
| Power Train | 1 | 132-5447 | - | - |
| DSD1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| KEG1-UP | | | | |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - FR | 2 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 132-5448 | - | - |
| Power Train | 1 | 132-5447 | - | - |
| Transmission | 2 | 341-6643 | - | - |
| KPH1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Off-Highway Trucks

773F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| EED1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 155-6061 | - | - |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| EED973-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| EHX1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| EHX2109-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| EXD1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 2 | 155-6061 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

775B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5JJ1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| 73W1-UP(Engine) | | | | |

775B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 4N-1409 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7XJ1-UP | | | | |
| Air - Cab | 1 | 9X-8241 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-8482 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 80M1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

775D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5JJ1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6KR1-105 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 6KR1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 80M1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8AS1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |

Off-Highway Trucks

775D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 132-5447 | - | - |
| Power Train | 1 | 132-5448 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 8AS325-UP | | | | |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

775E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 80M4530-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BEC1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - ADV | 2 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 132-5448 | - | - |
| Power Train | 1 | 132-5447 | - | - |

775F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| DLS1-UP | | | | |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 107-0266 | - | - |

775F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 155-6061 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| DLS995-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| EYG1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 282-5339 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 2 | 155-6061 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| LJX1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

776C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 2TK1-UP | | | | |
| Air - Cab | 1 | 9X-8241 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 4W-5716 | - | 132-7170 |
| Air Primary - UHE | 1 | 132-7170 | - | 132-7170 |
| Air Secondary | 1 | 6N-6072 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7YG1-2200(Engine) | | | | |

Off-Highway Trucks

776C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 7YG1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 7YG2201-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C8X1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

776D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2GR1-2632(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 2GR1-UP(Engine) | | | | |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2GR2633-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 5ER1-122 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| 5ER1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 5ER123-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| AFS1-UP | | | | |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

776D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| AFS81-UP | | | | |
| Hydraulic - ADV | 2 | 1R-0778 | - | - |
| C8T100-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

777

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2GR1-2632(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 2GR1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2GR2633-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 84A1-1283 | | | | |
| Air - Cab | 1 | 2G-1946 | - | - |
| 84A1-UP | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 84A1284-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

777B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Off-Highway Trucks

777B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| 2GR1986-2632(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 2GR1986-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2GR2633-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 4YC1-1387 | | | | |
| Air Primary | 1 | 8M-3119 | - | - |
| 4YC1-UP | | | | |
| Air - Cab | 1 | 8D-6644 | - | - |
| Air - Cab | 1 | 2G-1946 | - | - |
| Air Primary | 1 | 4W-5716 | - | 132-7170 |
| Air Primary - UHE | 1 | 132-7170 | - | 132-7170 |
| Air Secondary | 1 | 6N-6072 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 99W1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| LJW5431-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

777C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2GR8016-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 4XJ1-UP | | | | |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |
| Air - Cab | 1 | 9X-8241 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| Air Primary | 1 | 4W-5716 | - | 132-7170 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary - UHE | 1 | 132-7170 | - | 132-7170 |
| Air Primary - UHE | 2 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 6N-6072 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Filter-Air | 1 | 175-2835 | - | 175-2835 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

777C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7YG1-2200(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 7YG1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 7YG2201-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| LJW5431-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

777D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2GR1-UP(Engine) | | | | |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2GR2413-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 2YW1-105 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 2YW1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 1N-4864 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2YW106-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 2YW77-UP | | | | |
| Power Train | 1 | 6P-4603 | - | - |
| 3PR1-1007 | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 3PR1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |

Off-Highway Trucks

777D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 2 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - FWS | 2 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3PR1008-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 8BR1-633(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 8BR1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 8BR634-UP(Engine) | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| AGC1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Primary - UHE | 2 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 1N-4864 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 2 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| AGC777-UP | | | | |
| Hydraulic - ADV | 2 | 1R-0778 | - | - |
| AGY1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |

777D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| AGY81-UP | | | | |
| Hydraulic - ADV | 2 | 1R-0778 | - | - |
| C8T1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| FKR1-UP | | | | |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - ADV | 2 | 1R-0778 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| FKR1394-UP | | | | |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Transmission | 1 | 343-4464 | - | - |
| Transmission | 2 | 343-4465 | - | - |
| JDM1-363(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| LJW5430-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

777F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| JRP1-2758 | | | | |
| Hydraulic | 2 | 4T-3132 | - | - |

Off-Highway Trucks

777F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| JRP1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Engine Oil | 1 | 293-3645 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 155-6061 | - | - |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - ADV | 1 | 1R-0778 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| JRP2759-UP | | | | |
| Transmission | 2 | 343-4465 | - | - |
| JXP1-186 | | | | |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| JXP1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 220-8800 | - | 220-8800 |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 246-5009 | - | - |
| Air Secondary | 1 | 246-5010 | - | - |
| Engine Oil | 1 | 293-3645 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 155-6061 | - | - |
| Hydraulic - ADV | 1 | 1R-0778 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| JXP187-UP | | | | |
| Transmission | 2 | 343-4465 | - | - |
| LJW1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| WTK1-UP | | | | |
| Engine Oil | 1 | 293-3645 | - | - |

784B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

784B (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 4WJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 5RK1-13 | | | | |
| Air - Charcoal | 3 | 141-7903 | - | 141-7903 |
| 5RK1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 1N-4864 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

784C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 2PZ1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic | 1 | 1C-6405 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - ADV | 2 | 1R-0778 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| Transmission | 2 | 343-4465 | - | - |
| 2PZ106-UP | | | | |
| Air Primary | 1 | 251-5885 | - | 292-5862 |
| Air Secondary | 1 | 9Y-7663 | - | - |
| 8BR1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |

Off-Highway Trucks

784C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 8BR3120-UP(Engine) | | | | |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 8BR3121-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| 8BR816-3120(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

785

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 8BR1-3120(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8BR1-UP(Engine) | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 8BR3121-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| 8BR605-633(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 8GB1-405 | | | | |
| Air Primary | 1 | 8M-3119 | - | - |
| 8GB1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8GB223-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| 96Z212-936(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 96Z212-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 96Z937-UP(Engine) | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |

785B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 4WJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 4WJ1262-UP(Engine) | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| 6HK1-432 | | | | |
| Air - Charcoal | 3 | 141-7903 | - | 141-7903 |
| 6HK1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| Hydraulic | 1 | 4T-3132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6HK587-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 8BR1-3120(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8BR1-UP(Engine) | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 8BR3121-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

785C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 1HW1-105 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Power Train | 1 | 6P-4603 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1HW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |

Off-Highway Trucks

785C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Primary | 1 | 251-5885 | - | 292-5862 |
| Air Secondary | 1 | 1N-4864 | - | - |
| Air Secondary | 1 | 9Y-7663 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic | 1 | 1C-6405 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 5AZ1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Secondary | 1 | 1W-3636 | - | - |
| Hydraulic | 1 | 1C-6405 | - | - |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 5AZ400-UP | | | | |
| Hydraulic - ADV | 2 | 1R-0778 | - | - |
| 7TR1-1056(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 7TR1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 7TR1057-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 7TR1461-3555(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7TR3556-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| 8BR1-3120(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8BR1-633(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 8BR1-UP(Engine) | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 8BR3121-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| APX1-1886 | | | | |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| APX1-367 | | | | |
| Air Primary | 1 | 4W-5228 | - | 132-7171 |
| Air Secondary | 1 | 1N-4864 | - | - |
| APX1-874 | | | | |
| Hydraulic | 1 | 1C-6405 | - | - |
| APX1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 251-5885 | - | 292-5862 |
| Air Secondary | 1 | 9Y-7663 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

785C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| Transmission | 2 | 343-4465 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| APX1789-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| APX2181-UP | | | | |
| Fuel - FWS ADV | 2 | 438-5385 | 438-5385 | 438-5386 |
| APX368-UP | | | | |
| Air Primary UHE | 1 | 419-9162 | - | 419-9162 |
| Air Secondary | 1 | 267-3005 | - | - |
| APX410-1851 | | | | |
| Hydraulic - ADV | 2 | 1R-0778 | - | - |

785D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| B7F1-775(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| B7F1-UP(Engine) | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| B7F776-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| D851-UP(Engine) | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| DMC1-126 | | | | |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - ADV | 2 | 1R-0778 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| DMC1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary UHE | 1 | 419-9162 | - | 419-9162 |
| Air Secondary | 1 | 267-3005 | - | - |
| Fuel - FWS ADV | 2 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary | 1 | 7E-6719 | - | - |

Off-Highway Trucks

785D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| DMC127-UP | | | | |
| Transmission | 2 | 343-4465 | - | - |
| Transmission | 1 | 343-4464 | - | - |
| MSY1-254 | | | | |
| Hydraulic - ADV | 2 | 1R-0778 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| MSY1-262 | | | | |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| MSY1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary UHE | 1 | 419-9162 | - | 419-9162 |
| Air Secondary | 1 | 267-3005 | - | - |
| Fuel - FWS ADV | 2 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| MSY255-UP | | | | |
| Transmission | 2 | 343-4465 | - | - |
| Transmission | 1 | 343-4464 | - | - |

787B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 2PK450-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 9TM1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 251-5886 | - | 292-5863 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 1W-3636 | - | - |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 4T-4284 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |

787B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

789

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 54Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 7TR1-3555(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7TR1-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 7TR3556-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| 9ZC1-346 | | | | |
| Air Primary | 1 | 8M-3119 | - | - |
| 9ZC1-610 | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 9ZC1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary UHE | 1 | 419-9162 | - | 419-9162 |
| Air Secondary | 1 | 1W-3636 | - | - |
| Air Secondary | 1 | 267-3005 | - | - |
| Hydraulic | 1 | 4T-4284 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

Off-Highway Trucks

789B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2PK1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2PK1613-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 7EK1-230 | | | | |
| Air - Charcoal | 3 | 141-7903 | - | 141-7903 |
| 7EK1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary UHE | 1 | 419-9162 | - | 419-9162 |
| Air Secondary | 1 | 267-3005 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| Hydraulic | 1 | 4T-4284 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic | 2 | 4T-3132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7EK445-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 7TR1-3555(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7TR1-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 7TR3556-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

789C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

789C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 2BW1-124 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Power Train | 1 | 6P-4603 | - | - |
| 2BW1-1893 | | | | |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 2BW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 251-5886 | - | 292-5863 |
| Air Primary UHE | 1 | 419-9162 | - | 419-9162 |
| Air Secondary | 1 | 267-3005 | - | - |
| Air Secondary | 1 | 1W-3636 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel - FWS ADV | 2 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4T-4284 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| 2BW1864-UP | | | | |
| Transmission | 1 | 343-4464 | - | - |
| Transmission | 2 | 343-4465 | - | - |
| 2BW511-1863 | | | | |
| Hydraulic - ADV | 2 | 1R-0778 | - | - |
| 7TR1-1056(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 7TR1-3555(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7TR1-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 7TR3556-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| 8WM1-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8WM3262-3262(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| 8WM3262-UP(Engine) | | | | |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

793

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Off-Highway Trucks

793 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 3SJ1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air Primary | 2 | 251-5885 | - | 292-5862 |
| Air Primary UHE | 2 | 419-9162 | - | 419-9162 |
| Air Secondary | 2 | 267-3005 | - | - |
| Air Secondary | 2 | 9Y-7663 | - | - |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 6E-2575 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 54Z570-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 2 | 1R-0755 | 1R-0755 | 422-7587 |

793B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1HL1-101 | | | | |
| Air - Charcoal | 3 | 141-7903 | - | 141-7903 |
| 1HL1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 2 | 251-5885 | - | 292-5862 |
| Air Primary UHE | 2 | 419-9162 | - | 419-9162 |
| Air Secondary | 2 | 267-3005 | - | - |
| Air Secondary | 2 | 9Y-7663 | - | - |
| Fuel Secondary | 1 | 7E-6719 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 6E-2575 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 1HL323-451 | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

793B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 1HL404-UP | | | | |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 1HL466-UP | | | | |
| Hydraulic | 1 | 4T-3134 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| 2PK1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

793C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 4AR1-78 | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 4AR1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 2 | 251-5885 | - | 292-5862 |
| Air Primary UHE | 2 | 419-9162 | - | 419-9162 |
| Air Secondary | 2 | 9Y-7663 | - | - |
| Air Secondary | 2 | 267-3005 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 6E-2575 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4GZ1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 2 | 251-5885 | - | 292-5862 |
| Air Primary UHE | 2 | 419-9162 | - | 419-9162 |
| Air Secondary | 2 | 267-3005 | - | - |

Off-Highway Trucks

793C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 2 | 9Y-7663 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 6E-2575 | - | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4GZ163-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| 7TR1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 8WM1-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 8WM122-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 8WM294-3262(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 8WM3262-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| 8WM3263-UP(Engine) | | | | |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| ATY1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 2 | 251-5885 | - | 292-5862 |
| Air Primary UHE | 2 | 419-9162 | - | 419-9162 |
| Air Secondary | 2 | 267-3005 | - | - |
| Air Secondary | 2 | 9Y-7663 | - | - |
| Filter-Oil | 1 | 360-4135 | - | - |
| Fuel - FWS | 1 | 111-0716 | 111-0716 | 4P-7384 |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic | 1 | 6E-2575 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| ATY708-UP | | | | |
| Fuel - FWS ADV | 2 | 438-5385 | 438-5385 | 438-5386 |

793C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| CBR1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 2 | 251-5885 | - | 292-5862 |
| Air Primary UHE | 2 | 419-9162 | - | 419-9162 |
| Air Secondary | 2 | 9Y-7663 | - | - |
| Air Secondary | 2 | 267-3005 | - | - |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 6E-2575 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 1R-0778 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

793D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| 7TR1-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 7TR3556-3562(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| 8WM1-3262(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8WM1-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 8WM3263-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| FDB1-1520 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| FDB1-468 | | | | |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| FDB1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 2 | 251-5885 | - | 292-5862 |

Off-Highway Trucks

793D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Primary UHE | 2 | 419-9162 | - | 419-9162 |
| Air Secondary | 2 | 267-3005 | - | - |
| Air Secondary | 2 | 9Y-7663 | - | - |
| Engine Oil | 2 | 277-5812 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Filter-Oil | 1 | 360-4135 | - | - |
| Filter-Oil | 2 | 363-2702 | - | - |
| Fuel - FWS ADV | 2 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 2 | 249-2337 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - ADV | 1 | 1R-0778 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| FDB147-UP | | | | |
| Transmission | 1 | 343-4464 | - | - |

793F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| B7B100-1611(Engine) | | | | |
| Engine Oil | 2 | 340-6283 | - | - |
| B7B100-UP(Engine) | | | | |
| Filter-Fuel | 3 | 422-7587 | - | 422-7587 |
| B7B1612-UP(Engine) | | | | |
| Engine Oil ADV | 2 | 394-4550 | 394-4550 | - |
| B7C100-1003(Engine) | | | | |
| Engine Oil | 2 | 340-6283 | - | - |
| B7C100-UP(Engine) | | | | |
| Filter-Fuel | 3 | 422-7587 | - | 422-7587 |
| B7C1004-UP(Engine) | | | | |
| Engine Oil ADV | 2 | 394-4550 | 394-4550 | - |
| RBT1-171 | | | | |
| Engine Oil | 1 | 293-3645 | - | - |
| RBT1-UP | | | | |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 200-2422 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary UHE | 2 | 419-9162 | - | 419-9162 |
| Air Secondary | 2 | 267-3005 | - | - |
| Engine Oil | 1 | 293-3646 | - | - |
| Engine Oil | 1 | 340-0402 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 340-0403 | - | - |
| Hydraulic | 1 | 340-0406 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| RBT172-UP | | | | |
| Filter Element As-Oil | 1 | 393-3692 | - | - |
| SND1-UP | | | | |
| Air - Cab | 1 | 326-7963 | - | - |

793F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary UHE | 2 | 419-9162 | - | 419-9162 |
| Air Secondary | 2 | 267-3005 | - | - |
| Engine Oil | 1 | 340-0402 | - | - |
| Engine Oil | 1 | 293-3646 | - | - |
| Engine Oil | 1 | 293-3645 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 340-0406 | - | - |
| Hydraulic | 1 | 340-0403 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| SND132-UP | | | | |
| Filter Element As-Oil | 1 | 393-3692 | - | - |
| SSP1-985 | | | | |
| Engine Oil | 1 | 293-3645 | - | - |
| SSP1-UP | | | | |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary UHE | 2 | 419-9162 | - | 419-9162 |
| Air Secondary | 2 | 267-3005 | - | - |
| Engine Oil | 1 | 340-0402 | - | - |
| Engine Oil | 1 | 293-3645 | - | - |
| Engine Oil | 1 | 293-3646 | - | - |
| Filter Element As-Oil | 1 | 393-3692 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 340-0406 | - | - |
| Hydraulic | 1 | 340-0403 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

797

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Off-Highway Trucks

797 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 1AW1-553(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 1AW1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 1AW554-UP(Engine) | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| 1AW559-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2CS1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2CS991-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5JY1-711(Transmission) | | | | |
| Hydraulic - UHE | 2 | 167-2009 | - | 167-2009 |
| 5ST1-UP | | | | |
| Hydraulic - UHE | 2 | 167-2009 | - | 167-2009 |
| 5ST82-UP | | | | |
| Filter Element As-Oil | 2 | 417-8416 | - | - |
| 5YW1-233 | | | | |
| Hydraulic | 1 | 159-2967 | - | - |
| 5YW1-237 | | | | |
| Air Primary | 5 | 251-5886 | - | 292-5863 |
| Air Secondary | 5 | 1W-3636 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 5YW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 251-5885 | - | 292-5862 |
| Air Primary UHE | 1 | 419-9162 | - | 419-9162 |
| Air Secondary | 1 | 9Y-7663 | - | - |
| Air Secondary | 1 | 267-3005 | - | - |
| Engine Oil | 1 | 194-0593 | - | - |
| Filter-Oil | 2 | 363-2702 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Primary | 1 | 155-2952 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 2 | 155-6061 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| 5YW238-UP | | | | |
| Hydraulic - ADV | 1 | 1R-0778 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| A4K1-1007(Engine) | | | | |
| Engine Oil | 2 | 340-6283 | - | - |
| A4K1-UP(Engine) | | | | |
| Filter-Fuel | 4 | 422-7587 | - | 422-7587 |
| A4K1008-UP(Engine) | | | | |
| Engine Oil ADV | 2 | 394-4550 | 394-4550 | - |

797B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| 1AW559-UP(Engine) | | | | |
| Engine Oil - ADV | 3 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2CS991-1091(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 2CS991-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5JY677-UP(Transmission) | | | | |
| Filter Element As-Oil | 2 | 417-8416 | - | - |
| Hydraulic - UHE | 2 | 167-2009 | - | 167-2009 |
| 5ST121-191 | | | | |
| Hydraulic - UHE | 2 | 167-2009 | - | 167-2009 |
| 5ST192-UP | | | | |
| Filter Element As-Oil | 2 | 417-8416 | - | - |
| A4K1-1007(Engine) | | | | |
| Engine Oil | 2 | 340-6283 | - | - |
| A4K1-UP(Engine) | | | | |
| Filter-Fuel | 4 | 422-7587 | - | 422-7587 |
| A4K1008-UP(Engine) | | | | |
| Engine Oil ADV | 2 | 394-4550 | 394-4550 | - |
| DSP1-UP(Transmission) | | | | |
| Filter Element As-Oil | 2 | 417-8416 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| DSP300-UP(Transmission) | | | | |
| Hydraulic - UHE | 2 | 167-2009 | - | 167-2009 |
| JSM1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 251-5885 | - | 292-5862 |
| Air Primary UHE | 1 | 419-9162 | - | 419-9162 |
| Air Secondary | 1 | 9Y-7663 | - | - |
| Air Secondary | 1 | 267-3005 | - | - |
| Engine Oil | 1 | 194-0593 | - | - |
| Filter-Oil | 2 | 363-2702 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel Primary | 1 | 155-2952 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 2 | 155-6061 | - | - |
| Hydraulic - ADV | 1 | 1R-0778 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 4 | 167-2009 | - | 167-2009 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| T6B1-UP | | | | |
| Filter Element As-Oil | 2 | 417-8416 | - | - |
| T6B2-UP | | | | |
| Hydraulic - UHE | 2 | 167-2009 | - | 167-2009 |

Off-Highway Trucks

797F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| J2C1-31 | | | | |
| Hydraulic | 1 | 340-0404 | - | - |
| J2C1-UP | | | | |
| Filter Element As-Oil | 1 | 424-7616 | - | - |
| JH51-UP(Transmission) | | | | |
| Filter Element As-Oil | 2 | 417-8416 | - | - |
| LAJ1-491 | | | | |
| Engine Oil | 1 | 293-3645 | - | - |
| LAJ1-UP | | | | |
| Air | 2 | 277-7838 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Engine Oil | 1 | 293-3646 | - | - |
| Engine Oil | 1 | 340-0402 | - | - |
| Filter Element As-Air | 2 | 419-9172 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 340-0406 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| LAJ492-UP | | | | |
| Filter Element As-Oil | 1 | 393-3692 | - | - |
| LLM1-1323(Engine) | | | | |
| Engine Oil | 2 | 340-6283 | - | - |
| LLM1-UP(Engine) | | | | |
| Filter-Fuel | 4 | 422-7587 | - | 422-7587 |
| LLM1299-UP(Engine) | | | | |
| Engine Oil ADV | 2 | 394-4550 | 394-4550 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| R1N1-731(Transmission) | | | | |
| Hydraulic | 1 | 340-0404 | - | - |
| R1N125-UP(Transmission) | | | | |
| Filter Element As-Oil | 2 | 417-8416 | - | - |
| T1H1-377 | | | | |
| Hydraulic | 1 | 340-0404 | - | - |
| T1H378-UP | | | | |
| Filter Element As-Oil | 1 | 424-7616 | - | - |
| T6W1-UP(Transmission) | | | | |
| Filter Element As-Oil | 2 | 417-8416 | - | - |
| WSP1-124 | | | | |
| Engine Oil | 1 | 293-3645 | - | - |
| WSP1-UP | | | | |
| Air | 2 | 277-7838 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Engine Oil | 1 | 293-3646 | - | - |
| Engine Oil | 1 | 340-0402 | - | - |
| Filter Element As-Air | 2 | 419-9172 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 340-0406 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| WSP125-UP | | | | |
| Filter Element As-Oil | 1 | 393-3692 | - | - |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Paving Compactors

Oils - Hydraulic Systems

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

For hydraulic system recommendations for machines not listed below, please consult the Operation and Maintenance Manual for that machine.

| Compartment | Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Drain Interval with SOS |
|---|-----------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | | Min | Max | Min | Max | | |
| Hydraulic Systems and Hydrostatic Transmissions except for Pneumatic Compactors PS-150B SN: 3XR00621-Up, PS-200B SN: 5JR00393-Up, PS-360B SN: 9LS00259-Up, PS-150C, and PS-360C | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours |
| | Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours |
| | Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours |
| | Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours |
| | Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours |
| | Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours |
| | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours |
| | Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours |
| | Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours |
| | Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours |
| | Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours |
| | Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours |
| Hydraulic Systems and Hydrostatic Transmissions for Pneumatic Compactors PS-150B SN: 3XR00621-Up, PS-200B SN: 5JR00393-Up, PS-360B SN: 9LS00259-Up, PS-150C, and PS-360C | Cat TDTO TMS | Multi-grade {1} | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours |

{1} Factory Fill Fluid

Oils - Transmissions

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Powershift Transmissions | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W {1} | -20 | 10 | -4 | 50 |
| | Cat TDTO | SAE 30 | 0 | 35 | 32 | 95 |
| | Cat TDTO | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-Grade | -20 | 43 | -4 | 110 |

{1} Factory Fill Fluid

Paving Compactors

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------------|-----------------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Drive Axles for Medium Compactors (815-826), Vibratory Soil Compactor model numbers with the E or higher suffix | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 | -25 | 25 | -13 | 77 |
| | | SAE 50 {1} | -15 | 50 | 5 | 122 |
| Cat TDTO TMS | Multi-grade | -30 | 43 | -22 | 110 | |
| Drive Axles for Large Compactors | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 | -25 | 25 | -13 | 77 |
| | | SAE 50 {1} | -15 | 50 | 5 | 122 |
| Cat TDTO TMS | Multi-grade | -25 | 22 | -13 | 72 | |
| Axle for the Series 500 Vibratory Soil Compactor models with the D suffix or lower | Cat MTO | Multi-grade {1} | -25 | 40 | -13 | 104 |
| Vibratory Compactor Eccentric Weight Housing, Final Drive Planetary Drum, and Vibratory Support | Cat Synthetic Compactor Oil | Synthetic ISO 220 {1} | -20 | 50 | -4 | 122 |
| Propel Final Drive | Cat TDTO | SAE 50 {1} | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -20 | 43 | -4 | 110 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Attachments

The product(s) listed below are the Caterpillar preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Auger, Conveyor, and Pump Drive Reducers | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| {1} Factory Fill Fluid | | | | | | |

Paving Compactors

Oils - Undercarriage

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------------|----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Track Idlers and Track Rollers | Cat DEO / DEO-ULS | SAE 15W-40 {1} | -10 | 50 | -14 | 122 |
| | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| | Cat FDAO SYN | Multi-grade | -30 | 50 | -22 | 122 |

{1} Factory Fill Fluid

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|---------------------------------------|---|---------------------------|-----|-----|-----|------------|----------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Articulation Bearing, Control Cables, Drum Bearings, Leveling Blade, Operator Platform, Oscillating Bearings, Oscillating Pins, Steering Cylinder Ends, Steering Pins, Weight Bearings | High | Vibration 80-100%, heavy cohesive soil, 350 mm (12") lifts or more. | -15 | 50 | +5 | 122 | 2 | Extreme Application Grease |
| | Medium | Vibration 50-80%, granular soil, 100 mm - 305 mm (4"-12") lifts. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| | Low | Vibration 30-50%, asphalt mix, 51 mm - 100 mm (2"-4") lifts. | -20 | 40 | -4 | 104 | 2 | Utility Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

CB14

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CAA1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| DST1-UP | | | | |
| Air | 1 | 234-9828 | - | - |
| Air Primary | 1 | 139-4834 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| DTT1-UP | | | | |
| Air | 1 | 234-9828 | - | - |
| Air Primary | 1 | 139-4834 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |

Paving Compactors

CB14 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

CB22

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2201-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CMY1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

CB24

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2401-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CMY1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

Paving Compactors

CB32

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3201-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CMY1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

CB34

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3451-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

CB34XW

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3471-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |

CB34XW (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

CB-214C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 9XK1-UP | | | | |
| Air | 1 | 1G-7197 | - | - |
| Engine Oil | 1 | 081-2684 | - | - |
| Fuel | 1 | 081-3242 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 1G-7206 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CB-214D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1TZ1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 4ZW1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

CB-214E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Paving Compactors

CB-214E (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2141-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CSS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

CB-224C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3AL1-UP | | | | |
| Air | 1 | 1G-7197 | - | - |
| Engine Oil | 1 | 081-2684 | - | - |
| Fuel | 1 | 081-3242 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 1G-7206 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CB-224D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4ZW1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| 8RZ1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

CB-224E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2241-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CSS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

CB-225D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4ZW1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| 9FZ1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

CB-225E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2251-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |

Paving Compactors

CB-225E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CSS1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 220-1523 | - | - |

CB-314

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 6HD1-UP | | | | |
| Filter | 1 | 078-0402 | - | - |
| Hydraulic | 1 | 077-5795 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 6HD9-UP | | | | |
| Air Primary | 1 | 077-4145 | - | - |

CB-334D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 3JZ1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 4CZ1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 4HW1-UP(Engine) | | | | |
| Engine Oil | 1 | 150-4140 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| 4ZW1-6017(Engine) | | | | |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| 4ZW1-UP(Engine) | | | | |
| Engine Oil | 1 | 150-4140 | - | - |
| 4ZW6158-6161(Engine) | | | | |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| DCZ1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |

CB-334D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

CB-334E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| C3A1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| C3D1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| C4F1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| C4J1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| C4X1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CSS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

Paving Compactors

CB-334E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| C3E1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CSS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

CB-335D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| 4HW1-UP(Engine) | | | | |
| Engine Oil | 1 | 150-4140 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| 4ZW1-6017(Engine) | | | | |
| Fuel | 1 | 150-4142 | - | - |
| Fuel | 1 | 155-8080 | - | - |
| 4ZW1-UP(Engine) | | | | |
| Engine Oil | 1 | 150-4140 | - | - |
| 4ZW6158-6161(Engine) | | | | |
| Fuel | 1 | 155-8080 | - | - |
| Fuel | 1 | 150-4142 | - | - |
| 5PZ1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| BBW1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| D4E1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

Paving Compactors

CB-335E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| C5F1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| C5J1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CSD5943-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CSS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

CB-335E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| C3C1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| C3F1-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CSS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

Paving Compactors

CB-434

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3TF1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |
| Air Primary | 1 | 068-7744 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 5E-8346 | - | - |
| Hydraulic - UHE | 1 | 7R-4568 | - | - |

CB-434B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK1-5329(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| 5HK1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5HK20500-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| 6AL1-UP | | | | |
| Air Primary | 1 | 6I-1450 | - | - |
| Air Secondary | 1 | 6I-1451 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6AL53-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 133-5343 | - | - |
| 7YN1-UP | | | | |
| Air Primary | 1 | 6I-1450 | - | - |
| Air Secondary | 1 | 6I-1451 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 7YN43-UP | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 9RM1-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

CB-434C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

CB-434C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 4DN1-UP | | | | |
| Air Primary | 1 | 6I-1450 | - | - |
| Air Secondary | 1 | 6I-1451 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4MW1-UP | | | | |
| Air Primary | 1 | 6I-1450 | - | - |
| Air Secondary | 1 | 6I-1451 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5HK5330-64170(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| 5HK5330-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5HK65488-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

CB-434D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CNH1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CPR1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 6C-9226 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

CB-523

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Paving Compactors

CB-523 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 6TD1-UP | | | | |
| Air | 1 | 082-9649 | - | - |
| Engine Oil | 1 | 081-4661 | - | - |
| Filter | 1 | 083-1226 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Filter - Cartridge | 1 | 082-8290 | - | - |
| Fuel Secondary | 1 | 081-4662 | - | - |

CB-523B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 7FK1-UP | | | | |
| Air | 1 | 082-9649 | - | - |
| Engine Oil | 1 | 081-4661 | - | - |
| Filter | 1 | 083-1226 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Filter - Cartridge | 1 | 082-8290 | - | - |
| Fuel Secondary | 1 | 081-4662 | - | - |

CB-524

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 6WD1-UP | | | | |
| Air | 1 | 082-9649 | - | - |
| Engine Oil | 1 | 081-4661 | - | - |
| Filter | 1 | 083-1226 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Filter - Cartridge | 1 | 082-8290 | - | - |
| Fuel Secondary | 1 | 081-4662 | - | - |

CB-525

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

CB-525 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 6XD1-UP | | | | |
| Air | 1 | 082-9649 | - | - |
| Engine Oil | 1 | 081-4661 | - | - |
| Filter | 1 | 083-1226 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Filter - Cartridge | 1 | 082-8290 | - | - |
| Fuel Secondary | 1 | 081-4662 | - | - |

CB-525B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1N11-UP | | | | |
| Air | 1 | 082-9649 | - | - |
| Engine Oil | 1 | 081-4661 | - | - |
| Filter | 1 | 083-1226 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Filter - Cartridge | 1 | 082-8290 | - | - |
| Fuel Secondary | 1 | 081-4662 | - | - |

CB-534B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4JL1-UP | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4JL192-UP | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK13000-UP(Engine) | | | | |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5RN1-UP | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5RN59-UP | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

Paving Compactors

CB-534B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 159-6102 | - | - |

CB-534C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1WS1-UP | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4JL1-UP | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4JL192-UP | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| 5HK20500-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5HN1-UP | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5HN111-888 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 5HN889-UP | | | | |
| Hydraulic | 1 | 180-3813 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |

CB-534D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

CB-534D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| B5M1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C2B1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C4B1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C8M1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 1R-1804 | - | - |
| EAA1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| FEA1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| FGH1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| GCA1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CB-535B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3AR1-UP | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 3AR109-UP | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 5HK20500-UP(Engine) | | | | |

Paving Compactors

CB-535B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

CB-544

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK22000-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 8FM1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 9RM1-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

CB-545

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2FS1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5HK22000-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |

CB-545 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

CB-564D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6D1-UP | | | | |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C6D109-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| CRS1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| D4M1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CB-634C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3BR1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5CL1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5CL132-UP | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 98Z1230-3713(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z1230-UP(Engine) | | | | |

Paving Compactors

CB-634C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z21647-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 98Z3714-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

CB-634D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 98Z36869-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| CDF1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CC24

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2411-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CMY1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

CC34

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3461-UP | | | | |
| Air Primary | 1 | 146-7472 | - | - |
| Air Secondary | 1 | 146-7473 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 222-6420 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

CD44

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| C6B1-UP | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |

CD54

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| J5R1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Paving Compactors

CP54

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C4E1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C5Y1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C5Y129-UP | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |

CP56

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C5P1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C5P751-UP | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| FCP1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Paving Compactors

CP64

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C6P1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| C6P128-UP | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| P7F1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CP74

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| P8F1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Paving Compactors

CP76

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C7L1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C7L223-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| JCP1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JCP134-UP | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |

CP-323C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5HK26000-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| 6DM1-404 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 6DM1-UP | | | | |
| Air Primary | 1 | 6I-1450 | - | - |
| Air Secondary | 1 | 6I-1451 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 123-8999 | - | 117-9900 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6DM392-UP | | | | |
| Engine Oil | 1 | 192-0156 | - | - |
| 6DM405-UP | | | | |
| Hydraulic | 1 | 180-3813 | - | - |
| 6JD1-UP | | | | |
| Engine Oil | 1 | 033-7848 | - | - |
| 6JD66-UP | | | | |
| Air Primary | 1 | 077-3968 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |

Paving Compactors

CP-323C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 077-3569 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 1R-1804 | - | - |
| EAS1-UP | | | | |
| Air Primary | 1 | 6I-1450 | - | - |
| Air Secondary | 1 | 6I-1451 | - | - |
| Engine Oil | 1 | 192-0156 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

CP-433C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 1ZN1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Air - Cab | 1 | 154-6500 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2JM1-507 | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| 2JM1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2JM508-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| 4JZ1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5HK13000-UP(Engine) | | | | |

Paving Compactors

CP-433C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 138-3100 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

CP-433E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| ASN1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BTY1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CFK1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| CYE1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CP-533

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

CP-533 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 3ZL1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4TF13299-42391(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF5805-13298(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4TF5805-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 5AL1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 98Z1-4334(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z23027-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z4335-31594(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 98Z4335-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

CP-533C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 3XN1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 3XN89-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 3YN1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 3YN100-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4TF20600-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF42392-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z23027-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

Paving Compactors

CP-533C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 98Z5500-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

CP-533D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4TF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6AZ1-310 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 6AZ1-UP | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AFC1-356 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| AFC1-384 | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| AFC1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CP-533E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| ASM1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 206-5234 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CP-533E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| BZG1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BZG1313-UP | | | | |
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| DAM1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| TLH1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CP-553

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 7BD1-195 | | | | |
| Hydraulic | 1 | 077-5795 | - | - |
| 7BD1-202 | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 7BD1-65 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 077-7261 | - | - |
| 7BD1-UP | | | | |
| Air Primary | 1 | 9Y-6834 | - | - |
| Fuel | 1 | 9X-0939 | - | - |
| Hydraulic | 2 | 078-0419 | - | - |

CP-563

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Paving Compactors

CP-563 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 1YJ1-322 | | | | |
| Hydraulic - UHE | 1 | 7R-4568 | - | - |
| 1YJ1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 1YJ323-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4TF1-13298(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4TF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 4TF13299-42391(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 4TF13299-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 5AJ1-76 | | | | |
| Hydraulic - UHE | 1 | 7R-4568 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 5AJ1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic | 1 | 5E-5755 | - | - |
| 5AJ72-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 98Z1-4334(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z23027-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z4335-31594(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 98Z4335-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

CP-563C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 4TF1-UP(Engine) | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| 4TF19400-47634(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 4TF19400-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4TF36062-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 5JN1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CP-563C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 5JN453-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 5KN1-UP | | | | |
| Air - Cab | 1 | 154-6500 | - | - |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5KN240-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 98Z16285-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 98Z21190-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z5500-20222(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z5500-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

CP-563D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 4TF44156-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 5LZ1-346 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 5LZ1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 98Z29296-38205(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 9ZW1-122 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 9ZW1-581 | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| 9ZW1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 9ZW123-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |

Paving Compactors

CP-563E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| BWE1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CNT1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CPT1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |

CP-573E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| ASY1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| ASZ1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CPT1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |

CP-643

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

CP-643 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 7GD1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |
| Hydraulic | 2 | 9J-5461 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |

CP-653

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 7JD1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |
| Hydraulic | 2 | 9J-5461 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |

CP-663E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 8XJ1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| AFL1-UP | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| ASF1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CPT1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |
| DAF1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |

Paving Compactors

CP-663E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CS54

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C4E1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C5R1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| C5R630-UP | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C5W1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C5W684-UP | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |

CS56

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| C5S1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

CS56 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C5S1687-UP | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| FCS1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JMM1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CS64

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C6S1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| C6S178-UP | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C7F1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Paving Compactors

CS74

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C8F1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 2 | 180-3813 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C8S1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C8S169-UP | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |

CS76

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| CYX1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JCS1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 2 | 180-3813 | - | - |

CS76 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JCS218-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |

CS-323C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1EN1-298 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 1EN1-UP | | | | |
| Air Primary | 1 | 6I-1450 | - | - |
| Air Secondary | 1 | 6I-1451 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 123-8999 | - | 117-9900 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1EN279-UP | | | | |
| Engine Oil | 1 | 192-0156 | - | - |
| 1EN299-UP | | | | |
| Hydraulic | 1 | 180-3813 | - | - |
| 1TM1-UP | | | | |
| Engine Oil | 1 | 033-7848 | - | - |
| 5HK26000-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 6JD1-UP | | | | |
| Engine Oil | 1 | 033-7848 | - | - |
| 6JD66-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 077-3968 | - | - |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Hydraulic | 1 | 077-3569 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| DAR1-UP | | | | |
| Air Primary | 1 | 6I-1450 | - | - |
| Air Secondary | 1 | 6I-1451 | - | - |
| Engine Oil | 1 | 192-0156 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |

CS-431C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Paving Compactors

CS-431C (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1XF1-UP | | | | |
| Engine Oil | 1 | 033-7848 | - | - |
| 3WZ1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5HK20500-UP(Engine) | | | | |
| Fuel - FWS | 1 | 138-3100 | - | - |
| 6EN1-UP | | | | |
| Air - Cab | 1 | 154-6500 | - | - |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 108-0671 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6EN133-UP | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9XL1-203 | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| 9XL1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 9XL204-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

CS-433C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1FS1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

CS-433C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1XZ1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2TN1-262 | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| 2TN1-UP | | | | |
| Air - Cab | 1 | 154-6500 | - | - |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 3TM1-154 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 3TM1-613 | | | | |
| Air Primary | 1 | 108-0671 | - | - |
| Air Secondary | 1 | 108-0672 | - | - |
| 3TM1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 3TM281-UP | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 3TM614-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| 5BZ1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5HK13000-UP(Engine) | | | | |
| Fuel - FWS | 1 | 138-3100 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

CS-433E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Paving Compactors

CS-433E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| ASR1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BTT1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CFP1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| DAC1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CS-531C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4TF17600-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF42392-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 5ZN1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5ZN160-UP | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 5ZN172-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 98Z23027-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z8537-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

Paving Compactors

CS-531C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 9RN1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 9RN252-UP | | | | |
| Hydraulic | 1 | 133-5343 | - | - |

CS-531D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 3AZ1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4MZ1-UP | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4MZ390-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 180-3813 | - | - |
| 4TF50000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| AGH1-246 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| AGH1-UP | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CS-533C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Paving Compactors

CS-533C (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 2WN1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2WN184-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 2XN1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2XN459-459 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 2XN491-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4TF20600-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF42392-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z23027-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z5500-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

CS-533D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4TF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 5CZ1-435 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 5CZ1-UP | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AET1-417 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| AET1-472 | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| AET1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |

Paving Compactors

CS-533D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 131-8821 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CS-533E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| ASL1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BZE1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BZE2258-UP | | | | |
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| CST1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| DAK1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 206-5234 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 206-5235 | - | - |
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| TBE1-UP | | | | |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| TJL1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Paving Compactors

CS-553

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 7AD1-184 | | | | |
| Fuel | 1 | 077-7261 | - | - |
| 7AD1-466 | | | | |
| Hydraulic | 1 | 077-5795 | - | - |
| 7AD1-496 | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 7AD1-UP | | | | |
| Air Primary | 1 | 9Y-6834 | - | - |
| Fuel | 1 | 9X-0939 | - | - |
| Hydraulic | 2 | 078-0419 | - | - |

CS-563

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 4TF1-13298(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4TF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 4TF13299-42391(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 4TF13299-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7GG1-286 | | | | |
| Hydraulic - UHE | 1 | 7R-4568 | - | - |
| 7GG1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic | 1 | 5E-5755 | - | - |
| 7GG269-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 8XF1-643 | | | | |
| Hydraulic - UHE | 1 | 7R-4568 | - | - |
| 8XF1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 8XF644-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 98Z1-4334(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z23027-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z4335-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

Paving Compactors

CS-563C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4KN1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4KN687-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4LN1-UP | | | | |
| Air - Cab | 1 | 154-6500 | - | - |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4LN760-760 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4LN789-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4TF1-UP(Engine) | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2500 | - | - |
| 4TF19400-47634(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 4TF19400-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF36062-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z16285-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 98Z21190-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z5500-20222(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z5500-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

CS-563D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 1SZ1-UP | | | | |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

Paving Compactors

CS-563D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1SZ20405-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 2RZ1-701 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 2RZ1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4TF44156-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z1-38205(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 98Z20405-38205(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 9MW1-144 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 9MW1-979 | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| 9MW1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 9MW145-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |

CS-563E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| ASA1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CNG1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CPT1-UP(Engine) | | | | |

CS-563E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 145-4501 | - | - |
| MCP1-UP | | | | |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CS-573

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 4TF13299-42391(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 4TF13299-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF42392-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 4TF5805-13298(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4TF5805-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 8PK1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Air - Cab | 1 | 7R-2258 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic | 1 | 5E-5755 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CS-573C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4TF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 4TF23400-47634(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |

Paving Compactors

CS-573C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 6LN1-UP | | | | |
| Air - Cab | 1 | 154-6500 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6LN70-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| 6LN84-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |

CS-573D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 2YZ1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4TF44156-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z33158-38205(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| CMK1-197 | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| CMK1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CS-573E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

CS-573E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CEB1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CNN1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CPT1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |

CS-583

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 1EL1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic | 1 | 5E-5755 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4TF13299-42391(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF5805-13298(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4TF5805-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 8YJ1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 98Z1-4334(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z23027-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z4335-31594(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 98Z4335-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

Paving Compactors

CS-583C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 4TF15700-47634(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 4TF15700-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF36062-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 7MN1-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 7MN138-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 7NN1-UP | | | | |
| Air - Cab | 1 | 154-6500 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 5E-5755 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 7NN133-UP | | | | |
| Air - Cab | 1 | 114-2964 | - | - |
| 7NN299-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 98Z20223-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 98Z21190-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z5500-20222(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 98Z5500-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

CS-583D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 2CZ1-131 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 2CZ1-182 | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2CZ1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |

CS-583D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic | 1 | 133-5343 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2CZ132-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 3GZ1-545 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 3GZ1-UP | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4TF44156-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z29296-38205(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

CS-583E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CNX1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CPT1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 145-4501 | - | - |
| DAJ1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CS-643

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Paving Compactors

CS-643 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 12Z1-UP(Engine) | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 7FD1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 9J-5461 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| 7GD1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic | 2 | 9J-5461 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |

CS-653

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 12Z1-UP(Engine) | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 7HD1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 9J-5461 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |
| 7JD1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic | 2 | 9J-5461 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0719 | 1R-0773 | 132-8875 |

CS-663E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

CS-663E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 8XJ1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| AEF1-UP | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| ASB1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CPT1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |
| DAG1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

CS-683E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 8XJ1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| AGR1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| ASG1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 2 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CPT1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |
| DAD1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 131-8822 | - | 134-0685 |
| Air Secondary | 1 | 131-8821 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |

Paving Compactors

CS-683E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 180-3813 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

PF-290B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 1XW1-89 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 1XW1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1XW90-UP | | | | |
| Hydraulic | 1 | 180-3813 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK59700-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

PF-300B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK24000-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 6HM1-412 | | | | |
| Hydraulic - Cartridge | 2 | 081-5100 | - | - |
| 6HM1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 187-4243 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 123-8189 | - | - |
| 6HM413-UP | | | | |
| Engine Oil | 1 | 194-8557 | - | - |

PF-300B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 6HM88-195 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 9RM1-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

PF-300C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| PFB1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 194-8557 | - | - |
| Hydraulic | 1 | 187-4243 | - | - |
| Power Train | 1 | 123-8189 | - | - |

PS-150B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 3XR1-633 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 3XR1-UP | | | | |
| Air Primary | 1 | 139-4834 | - | - |
| Air Primary | 1 | 155-5402 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 155-5401 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 3XR634-UP | | | | |
| Hydraulic | 1 | 180-3813 | - | - |
| 5HK31500-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |

Paving Compactors

PS-150B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 138-3096 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 159-6102 | - | - |

PS-150C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| FPS1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 139-4834 | - | - |
| Air Primary | 1 | 155-5402 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 155-5401 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| G4D1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| NPK1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

PS-200B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 5HK147-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5JR1-402 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 5JR1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 139-4834 | - | - |
| Air Primary | 1 | 155-5402 | - | - |
| Air Secondary | 1 | 155-5401 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |

PS-200B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5JR403-UP | | | | |
| Hydraulic | 1 | 180-3813 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

PS-300B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 4PN1-364 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4PN1-525 | | | | |
| Hydraulic - Cartridge | 2 | 081-5100 | - | - |
| 4PN1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic | 1 | 187-4243 | - | - |
| Power Train | 1 | 123-8189 | - | - |
| 4PN137-364 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 4PN526-UP | | | | |
| Engine Oil | 1 | 194-8557 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK24000-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

PS-300C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Paving Compactors

PS-300C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| PFS1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 194-8557 | - | - |
| Hydraulic | 1 | 187-4243 | - | - |
| Power Train | 1 | 123-8189 | - | - |

PS-360B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK59700-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9LS1-270 | | | | |
| Hydraulic | 1 | 133-5343 | - | - |
| 9LS1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 139-4834 | - | - |
| Air Primary | 1 | 155-5402 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Air Secondary | 1 | 155-5401 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 9LS271-UP | | | | |
| Hydraulic | 1 | 180-3813 | - | - |

PS-360C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| G4D1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| PJF1-UP | | | | |
| Air Primary | 1 | 206-5234 | - | - |

Paving Compactors

PS-360C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 206-5235 | - | - |
| Hydraulic | 1 | 180-3813 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

PS-500

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 7XD1-13 | | | | |
| Engine Oil | 2 | 8N-9586 | - | - |
| Fuel | 1 | 1W-8633 | - | - |
| 7XD1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Hydraulic - Cartridge | 2 | 081-5100 | - | - |
| Transmission - Cartridge | 1 | 081-4803 | - | - |
| 90N67000-UP | | | | |
| Engine Oil | 2 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Pipelayers

Coolants

| Cat Recommended Coolants | |
|---|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS•SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmission

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Powershift Transmissions | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W {1} | -30 | 0 | -22 | 32 |
| | Cat TDTO | SAE 30 | -25 | 25 | -13 | 77 |
| | Cat TDTO | SAE 50 | -15 | 50 | 5 | 122 |
| | Cat TDTO TMS | Multi-Grade | -15 | 50 | 5 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Pipelayers

Oils - Attachments

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|----------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Winches | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 | 0 | 35 | 32 | 95 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -20 | 43 | -4 | 110 |
| PACCAR Winches | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |

Oils - Undercarriage

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Track Pins | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| Recoil Spring for the Track Roller Frame and the Pivot Shaft Bearings | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 {1} | -20 | 25 | -4 | 77 |
| | | SAE 50 | 0 | 50 | 32 | 122 |
| | Cat TDTO TMS | Multi-grade | -25 | 25 | -13 | 77 |
| Track Idlers and Track Rollers | Cat DEO / DEO-ULS | SAE 15W-40 {1} | -10 | 50 | 14 | 122 |
| | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| | Cat FDAO SYN | Multi-grade | -30 | 50 | -22 | 122 |

{1} Factory Fill Fluid

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | OIL Type | Viscosity Grade | °C | | °F | |
|-------------|--------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Final Drive | Cat FDAO | SAE 60 {1} | -7 | 50 | 19 | 122 |
| | Cat TDTO | SAE 30 | -25 | 15 | -13 | 59 |
| | | SAE 50 {2} | -15 | 32 | 5 | 90 |
| | Cat TDTO TMS | Multi-grade | -35 | 15 | -31 | 59 |
| | Cat FDAO SYN | Multi-grade | -15 | 50 | 5 | 122 |

{1} Factory Fill Fluid

{2} Factory Fill Fluid for PL61 standard configuration machine.

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|--|---|---|-----|-----|-----|--------------------------|-------------------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Adjust Track, Angle Blade Tilt Brace, Equalizer Bar Pins, Fan Drive Belt Tightener, Lift Cylinder Yoke Bearing, Winch Drum Bearing, Winch Fairlead Rollers | High | Ditching, fill spreading, spreading base material, ripping, heavy road maintenance, snow plowing. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| Medium | Average road maintenance, road mix work, scarifying, snow plowing. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease | |
| | | Low | Finish grading, light maintenance, road travel. | -20 | 40 | -4 | 104 | 2 |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

PL61

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |

Pipelayers

PL61 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - UHE | 1 | 319-0844 | - | - |
| Fuel Secondary - UHE | 1 | 306-9199 | - | - |
| WGS1-UP | | | | |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

561M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 1KW1-270 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 1KW1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1KW271-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 4TF33310-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |

561N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| BMA5896-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CPH1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

561N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| CSW1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| TAD1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |

572R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 10Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2HZ1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 6NC1-UP(Engine) | | | | |

Pipelayers

572R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| AAC1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| R6J1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

572R II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 7ZR6828-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8Z81-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| DSC1-301 | | | | |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-1786 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| DSC1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

572R II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| DSC302-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| DSC494-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

578

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 11N1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1MK1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 70V1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 70V31500-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8HB1-426 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 8HB1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary | 1 | 1P-7360 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 2 | 4T-0522 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 2 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| Hydraulic - UHE | 2 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 9P-0856 | - | - |
| 9EB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |

583R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Pipelayers

583R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2XS1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 2 | 139-1537 | - | 139-1537 |
| Power Train | 1 | 9P-0856 | - | - |
| 41Z6800-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

583T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CMX1-289 | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Transmission | 1 | 343-4465 | - | - |
| CMX1-UP | | | | |
| Air | 1 | 289-4225 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - ADV | 2 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 2 | 139-1536 | - | 139-1536 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CMX180-UP | | | | |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab Heater | 1 | 201-5023 | - | - |
| CMX469-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

587R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 41Z23000-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BXL1-297 | | | | |
| Air | 1 | 289-4225 | - | - |
| BXL1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 243-3758 | - | - |
| Hydraulic | 1 | 249-2337 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - FR | 2 | 156-0214 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BXL298-UP | | | | |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab Heater | 1 | 201-5023 | - | - |
| BXL406-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| TXC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

587T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| FAT1-UP | | | | |
| Air | 1 | 289-4225 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 243-3758 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 249-2337 | - | - |
| Hydraulic - FR | 2 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| FAT255-UP | | | | |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab Heater | 1 | 201-5023 | - | - |
| FAT475-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

Pipelayers

587T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG3039-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

589

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 1EM451-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 31Z1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel | 1 | 7N-4415 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 31Z474-UP | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 48W18080-26673(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 48W18080-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Road Reclaimers

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Reclaimer Mixers

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|--------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Front Propel Planetary Drives | Cat TDTO | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -20 | 50 | -4 | 122 |
| Rotor Chain Drive Case and Rotor Bearing Reservoir | Cat TDTO | SAE 30 | 0 | 35 | 32 | 122 |
| Rotor Transmission | Cat TDTO | SAE 10W | -20 | 50 | -4 | 122 |
| Rotor Differential | Cat GO | SAE 80W-90 | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------|--------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Propel Final Drive | Cat TDTO | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -20 | 43 | -4 | 110 |

Oils - Attachments

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Auger, Conveyor, and Pump Drive Reducers | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |

{1} Factory Fill Fluid

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|---------------------------------------|---|---------------------------|-----|-----|-----|------------|----------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Chain Tensioner, Fan Drive Bearings, Propel Transmission Control Cable, Pump Drive Shaft, Rotor Transmission Shift Linkage, Wheel Hub Bearings | High | 457 mm (18") soil/ 305 mm (12") asphalt. | -15 | 50 | +5 | 122 | 2 | Extreme Application Grease |
| | Medium | 305 mm (12") soil/ 150 mm (6") asphalt. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| | Low | 150 mm (6") soil/ 100 mm (4") asphalt. | -20 | 40 | -4 | 104 | 2 | Utility Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

RM-250C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Road Reclaimers

RM-250C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 41Z18140-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| AWG1-UP | | | | |
| Air - Cab A/C | 1 | 136-8063 | - | - |
| Air - Cab A/C | 1 | 128-4038 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Hydraulic | 1 | 098-4240 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

RM-300

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| BWR1-UP | | | | |
| Air - Cab | 1 | 234-0138 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 9U-6984 | 9U-6984 | 9U-6983 |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| BWR487-UP | | | | |
| Air - Cab | 1 | 233-8359 | - | 233-8359 |
| RSX1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXE118-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

RM-350

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

RM-350 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 11N7919-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 41Z257-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5FK1-136 | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| 5FK1-40 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5FK1-UP | | | | |
| Air - Cab | 3 | 119-6215 | - | - |
| Engine Oil - Cartridge | 1 | 110-7464 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 098-4240 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 5FK104-UP | | | | |
| Hydraulic | 1 | 1G-5459 | - | - |
| Hydraulic | 1 | 1G-5377 | - | - |
| Hydraulic - ADV | 1 | 130-3212 | 130-3212 | 126-1814 |
| 5FK41-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

RM-350B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 41Z2438-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7FS1-232 | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| 7FS1-UP | | | | |
| Air - Cab | 3 | 119-6215 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 1G-5459 | - | - |
| Hydraulic | 1 | 1G-5377 | - | - |
| Hydraulic | 1 | 098-4240 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| AXW1-UP | | | | |
| Air - Cab | 3 | 119-6215 | - | - |

Road Reclaimers

RM-350B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Hydraulic | 1 | 1G-5377 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 1G-5459 | - | - |
| Hydraulic | 1 | 098-4240 | - | - |
| Hydraulic - ADV | 1 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

RM-500

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| ASW1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 9U-6984 | 9U-6984 | 9U-6983 |
| Hydraulic | 1 | 176-9415 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| ASW110-UP | | | | |
| Air - Cab | 1 | 234-0138 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Hydraulic | 1 | 054-1719 | - | - |
| ASW334-UP | | | | |
| Air - Cab | 1 | 233-8359 | - | 233-8359 |
| LHX1-2061(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| LHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

RR-250

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

RR-250 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 11N7072-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6ED1-113 | | | | |
| Hydraulic | 1 | 098-4240 | - | - |
| Hydraulic - UHE | 1 | 077-5479 | - | 077-5479 |
| 6ED1-341 | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| 6ED1-362 | | | | |
| Air | 1 | 8C-2238 | - | - |
| Air Primary | 1 | 6N-6071 | - | - |
| Air Secondary | 1 | 6N-6072 | - | - |
| 6ED1-UP | | | | |
| Air - Cab | 1 | 8C-2005 | - | - |
| Air - Cab A/C | 1 | 136-8063 | - | - |
| Air - Cab A/C | 1 | 128-4038 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 6ED189-UP | | | | |
| Hydraulic | 1 | 098-4240 | - | - |
| 6ED216-UP | | | | |
| Hydraulic | 1 | 8T-7478 | - | - |
| 6ED239-362 | | | | |
| Hydraulic - UHE | 1 | 077-5479 | - | 077-5479 |
| 6ED342-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6ED363-367 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 6ED363-UP | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| 6ED368-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

RR-250B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 11N13299-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3RR1-UP | | | | |
| Air - Cab A/C | 1 | 136-8063 | - | - |
| Air - Cab A/C | 1 | 128-4038 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Hydraulic | 1 | 098-4240 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 41Z1-8379(Engine) | | | | |

Road Reclaimers

RR-250B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Coolant | 1 | 435-5142 | - | - |
| 41Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

SM-350

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 11N7919-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1RM1-31 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 1RM1-78 | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| 1RM1-UP | | | | |
| Air - Cab | 3 | 119-6215 | - | - |
| Engine Oil - Cartridge | 1 | 110-7464 | - | - |
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic | 1 | 098-4240 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 1RM32-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| 1RM60-UP | | | | |
| Hydraulic | 1 | 1G-5459 | - | - |
| Hydraulic | 1 | 1G-5377 | - | - |
| Hydraulic - ADV | 1 | 130-3212 | 130-3212 | 126-1814 |
| 41Z257-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

SS-250

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

SS-250 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 11N7072-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6DD1-117 | | | | |
| Hydraulic | 1 | 098-4240 | - | - |
| Hydraulic - UHE | 1 | 077-5479 | - | 077-5479 |
| 6DD1-307 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 6DD1-323 | | | | |
| Air | 1 | 8C-2238 | - | - |
| Air Primary | 1 | 6N-6071 | - | - |
| Air Secondary | 1 | 6N-6072 | - | - |
| 6DD1-UP | | | | |
| Air - Cab | 1 | 8C-2005 | - | - |
| Air - Cab A/C | 1 | 128-4038 | - | - |
| Air - Cab A/C | 1 | 136-8063 | - | - |
| Fuel | 1 | 8H-7204 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 6DD199-UP | | | | |
| Hydraulic | 1 | 098-4240 | - | - |
| 6DD222-UP | | | | |
| Hydraulic | 1 | 8T-7478 | - | - |
| 6DD239-323 | | | | |
| Hydraulic - UHE | 1 | 077-5479 | - | 077-5479 |
| 6DD308-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6DD3156-3713 | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 6DD324-331 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 6DD332-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

SS-250B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 11N13299-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 41Z1-8379(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 41Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5GR1-UP | | | | |
| Air - Cab A/C | 1 | 128-4038 | - | - |
| Air - Cab A/C | 1 | 136-8063 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |

Road Reclaimers

SS-250B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel | 1 | 8H-7204 | - | - |
| Hydraulic | 1 | 098-4240 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 054-1719 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Skid Steer Loaders

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Final Drive for Multi-Terrain Loaders and Compact Track Loaders | Cat Synthetic GO | SAE 75W-140 {1} | -30 | 45 | -22 | 113 |
| Track Idlers and Track Rollers for Compact Track Loaders | Cat DEO / DEO-ULS | SAE 15W-40 {1} | -10 | 50 | 14 | 122 |
| | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| | Cat FDAO SYN | Multi-grade | -30 | 50 | -22 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|---|---------------------------------------|----------------------------|---------------------------|-----|-----|-----|------------|--------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| External Lube Points | Medium {1} | Normal load and conditions | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| {1} Refer to the Operation and Maintenance Manual for more information. | | | | | | | | |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

216

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3NW1-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| 3NW1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| 4NZ1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4NZ3400-UP | | | | |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| GGA1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

216B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CYS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| GGA1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

Skid Steer Loaders

216B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| RLL1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| RLL6800-UP | | | | |
| Fuel | 1 | 1G-7206 | - | - |

216B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| GGA1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| RLL1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| RLL6800-UP | | | | |
| Fuel | 1 | 1G-7206 | - | - |

216B3

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| CD31-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 231-0167 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |

Skid Steer Loaders

216B3 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| DSN1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JXM1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

226

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3NW1-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| 5FZ1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5FZ1528-UP | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |

226B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Skid Steer Loaders

226B (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| AS21-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| GGA1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| MJH1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MJH12175-UP | | | | |
| Fuel | 1 | 1G-7206 | - | - |
| MWD1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| SNA1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

226B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYP1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 220-1523 | - | - |
| CYS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

Skid Steer Loaders

226B2 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| MJH1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MJH12175-UP | | | | |
| Fuel | 1 | 1G-7206 | - | - |

228

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| 3NW727-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 6BZ1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6BZ368-UP | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |

232

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| CAB1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 236-5081 | - | - |
| Air Primary | 1 | 134-8726 | - | - |

Skid Steer Loaders

232 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 140-2334 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

232B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| GGA1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| SCH1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

232B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYS1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 220-1523 | - | - |
| SCH1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |
| Air Primary | 1 | 231-0167 | - | - |

232B2 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

236

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3NW1-29422(Engine) | | | | |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| 4YZ1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |
| Air Primary | 1 | 110-6326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4YZ1068-5750 | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |

236B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| HEN1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |

Skid Steer Loaders

236B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

236B2

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| HEN1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 231-8132 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

236B3

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| A9H1-654 | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |
| A9H1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 110-6326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |

242

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

242 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 3NW11401-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW29423-34104(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| CMB1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

242B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| BXM1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| GGA1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

242B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Skid Steer Loaders

242B2 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| BXM1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

246

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3NW1-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| 5SZ1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5SZ873-6369 | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |

246B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |

246B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS37727-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| PAT1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |
| Air Primary | 1 | 110-6326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

246C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-60343(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS60344-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| JAY1-5076 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 233-9856 | - | - |
| JAY1-UP | | | | |
| Air - Cab | 1 | 265-6619 | - | - |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

247

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3NW1-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| CML1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |

Skid Steer Loaders

247 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

247B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| ESL1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| GGA1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| KB31-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MTL1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MTL5700-UP | | | | |
| Fuel | 1 | 1G-7206 | - | - |
| TSL1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

247B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| GGA1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| MTL1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| MTL5700-UP | | | | |
| Fuel | 1 | 1G-7206 | - | - |

248

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3NW1-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| 6LZ1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6LZ402-1594 | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |

248B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Skid Steer Loaders

248B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS37727-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| SCL1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

252

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 3NW12500-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| FDG1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 236-5081 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

252B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| SCP1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 231-8132 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

252B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 233-9856 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

252B2

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| SCP1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 231-8132 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

252B3

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| TNK1-605 | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |
| TNK1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 303-6658 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Skid Steer Loaders

256C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-60343(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS60344-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| DWS1-1711 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 233-9856 | - | - |
| DWS1-UP | | | | |
| Air - Cab | 1 | 265-6619 | - | - |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

257

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 3NW12500-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| 3NW21000-29422(Engine) | | | | |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| CMM1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

257B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

257B (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| GGA1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| SLK1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |
| Air Primary | 1 | 231-0167 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

257B2

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CSD1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYP1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| CYS1-UP(Engine) | | | | |
| Engine Oil | 1 | 220-1523 | - | - |
| SLK1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - Cab | 1 | 303-6658 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 231-0168 | - | - |
| Fuel | 1 | 1G-7206 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

262

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 3NW12500-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| CED1-1412 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 131-1812 | - | - |
| CED1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |
| Air Primary | 1 | 110-6326 | - | - |

Skid Steer Loaders

262 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

262B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS37727-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| PDT1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

262C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| CJS1-60343(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| MST1-3920 | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |
| MST1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 265-6619 | - | - |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MST5600-UP | | | | |
| Engine Oil | 1 | 267-2528 | - | - |

267

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 3NW12500-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| CMP1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 236-5081 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

267B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS37727-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| CYC1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

268B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Skid Steer Loaders

268B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS37727-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| LBA1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

272C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-60343(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS60344-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CYM1670-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| RED1-UP | | | | |
| Air - Cab | 1 | 265-6619 | - | - |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

277

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 3NW12500-29422(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW29423-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| CNC1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |
| Air Primary | 1 | 110-6326 | - | - |

277 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

277B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS3727-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| MDH1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

277C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS60344-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| JWF1-2428 | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| JWF1-UP | | | | |
| Air - Cab | 1 | 265-6618 | - | - |
| Air - Cab | 1 | 265-6619 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JWF3000-UP | | | | |
| Engine Oil | 1 | 267-2528 | - | - |

Skid Steer Loaders

277C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| KCC1-UP | | | | |
| Air - Cab | 1 | 265-6618 | - | - |
| Air - Cab | 1 | 265-6619 | - | - |
| Air Primary | 1 | 110-6326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

279C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| MBT1-1929 | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |
| MBT1-UP | | | | |
| Air - Cab | 1 | 265-6618 | - | - |
| Air - Cab | 1 | 265-6619 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MBT3500-UP | | | | |
| Engine Oil | 1 | 267-2528 | - | - |

287

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3NW33700-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| CNY1-UP | | | | |
| Air - Cab Heater | 1 | 142-9291 | - | - |
| Air - Cab Recirculation | 1 | 236-5081 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 191-9784 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

287B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS37727-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| ZSA1-UP | | | | |
| Air - Cab | 1 | 303-6658 | - | - |
| Air - Cab | 1 | 231-8132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

287C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS60344-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| MAS1-2014 | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| MAS1-UP | | | | |
| Air - Cab | 1 | 265-6619 | - | - |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MAS2500-UP | | | | |
| Engine Oil | 1 | 267-2528 | - | - |

289C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Skid Steer Loaders

289C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| JMP1-1739 | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |
| JMP1-UP | | | | |
| Air - Cab | 1 | 265-6618 | - | - |
| Air - Cab | 1 | 265-6619 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JMP3400-UP | | | | |
| Engine Oil | 1 | 267-2528 | - | - |

297C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-60343(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS60344-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CYM1502-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| GCP1-1716 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 233-9856 | - | - |
| GCP1-UP | | | | |
| Air - Cab | 1 | 265-6619 | - | - |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

299C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CYM293-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| JSP1-1377 | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |
| JSP1-UP | | | | |
| Air - Cab | 1 | 265-6619 | - | - |

Skid Steer Loaders

299C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 110-6326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Telehandlers

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Hydraulic Systems, Service Brake System, Transmission, Differentials and Front Drivers for TH220, TH225, TH330, TH360 and Hydraulic Systems for TH336, TH337, TH406, TH407, TH414, TH417, TH514, TL642, TL943, TL1055, and TL1255 | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 |
| | Cat TDTO | SAE 10W {1} | -20 | 40 | -4 | 104 |
| | | SAE 30 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -20 | 50 | -4 | 122 |
| | Cat DEO / DEO-ULS | SAE 15W-40 | -15 | 50 | 5 | 122 |
| | | SAE 10W-30 | -20 | 40 | -4 | 104 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Axle Differentials & Wheel Ends

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

Oils - Axle Differentials & Wheel Ends (Cont'd.)

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Hydraulic Systems, Service Brake System, Transmission, Differentials and Front Drivers for TH220, TH225, TH330, TH360 and Hydraulic Systems for TH336, TH337, TH406, TH407, TH414, TH417, TH514, TL642, TL943, TL1055, and TL1255 | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 |
| | Cat TDTO | SAE 10W {1} | -20 | 40 | -4 | 104 |
| | | SAE 30 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -20 | 50 | -4 | 122 |
| | Cat DEO / DEO-ULS | SAE 15W-40 | -15 | 50 | 5 | 122 |
| | | SAE 10W-30 | -20 | 40 | -4 | 104 |

{1} Factory Fill Fluid

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Axle Differentials and Wheel Ends for TH336 through TH514, TL642C, and TL943C | Cat TDTO | SAE 30 | -20 | 40 | -4 | 104 |
| Axle Differentials and Wheel Ends for TL642, TL943, TL1055, and TL1255 (except for C Series) | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO | SAE 80W-90 {1} | -23 | 49 | -10 | 120 |
| | | SAE 85W-140 | -12 | 49 | 10 | 120 |
| | Cat TDTO TMS | Multi-grade | -20 | 50 | -4 | 122 |

{1} Factory Fill Fluid

Oils - Transmission & Transfer Case

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Transmission and Transfer Case for TL642, TL943, TL1055, and TL1255 | Cat MTO | Multi-grade {1} | -23 | 40 | -10 | 104 |
| | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 35 | -40 | 95 |
| | Cat TDTO | SAE 10W | -20 | 35 | -4 | 95 |
| | | SAE 30 | 25 | 50 | 77 | 122 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | 10 | 50 | 50 | 122 |
| Cat ATF | Multi-grade synthetic | -40 | -1 | -40 | 30 | |
| Transmission and Transfer Case for TH406, TH407, TH514/417, TH336, and TH337 | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 35 | -40 | 95 |
| | Cat TDTO | SAE 10W {1} | -20 | 35 | -4 | 95 |
| | | SAE 30 | 25 | 50 | 77 | 122 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | 10 | 50 | 50 | 122 |

{1} Factory Fill Fluid

Telehandlers

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|---------------------------------------|--|---------------------------|-----|-----|-----|------------|----------------------------|
| | | | ° C | | ° F | | | |
| | | | Min | Max | Min | Max | | |
| Boom Chain, Boom Cylinder Pin, Boom Extension and Retraction Chain Pulley, Boom Head Section, Boom Pivot Shaft, Compensating Cylinder Bearing, Drive Shaft Spline, Fork Leveling Cylinder Pin, Frame Leveling Cylinder Pin, Stabilizer and Cylinder Bearings | High | Heavy loading, continuous loading with steady cycling. | -15 | 50 | +5 | 122 | 2 | Extreme Application Grease |
| | Medium | Normal load and work conditions. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| | Low | Considerable idling or travel with no load. | -20 | 40 | -4 | 104 | 2 | Utility Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

TH31-C9I

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| PAZ1-UP | | | | |
| Air Primary - UHE | 1 | 132-7167 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |

TH35

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

TH35 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| SDS1-UP | | | | |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| TNB1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |

TH35-C13I

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| PBY1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - FR | 1 | 134-3014 | - | - |

TH35-C13T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| PBW1-UP | | | | |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic - FR | 1 | 134-3014 | - | - |

TH35-C15T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Telehandlers

TH35-C15T (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| PBL1-UP | | | | |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Hydraulic - FR | 1 | 134-3014 | - | - |

TH62

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 3LN1-749 | | | | |
| Fuel | 1 | 130-6321 | - | - |
| 3LN1-796 | | | | |
| Hydraulic | 1 | 6E-5215 | - | - |
| 3LN1-935 | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 3LN1-938 | | | | |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 3LN1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Power Train | 1 | 123-8189 | - | - |
| 3LN927-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 4TM1-1234 | | | | |
| Fuel | 1 | 130-6321 | - | - |
| 4TM1-1296 | | | | |
| Hydraulic | 1 | 6E-5215 | - | - |
| 4TM1-1954 | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 4TM1-2305 | | | | |
| Hydraulic - FR | 1 | 134-3014 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4TM1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Power Train | 1 | 123-8189 | - | - |
| 4TM1733-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

TH63

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 3NN1-1059 | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 3NN1-868 | | | | |
| Hydraulic | 1 | 6E-5215 | - | - |
| 3NN1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel | 1 | 130-6321 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Power Train | 1 | 123-8189 | - | - |
| 3NN1050-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 5WM1-1587 | | | | |
| Fuel | 1 | 130-6321 | - | - |
| 5WM1-1777 | | | | |
| Hydraulic | 1 | 6E-5215 | - | - |
| 5WM1-2708 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 138-3100 | - | - |
| 5WM1-3054 | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 5WM1-3815 | | | | |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 5WM1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Power Train | 1 | 123-8189 | - | - |
| 5WM2709-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

TH82

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 3JN1-559 | | | | |
| Hydraulic | 1 | 6E-5215 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 3JN1-578 | | | | |
| Fuel | 1 | 130-6321 | - | - |

Telehandlers

TH82 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 3JN1-688 | | | | |
| Fuel - FWS | 1 | 138-3100 | - | - |
| 3JN1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Power Train | 1 | 123-8189 | - | - |
| 3JN689-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 3KN1-438 | | | | |
| Fuel | 1 | 130-6321 | - | - |
| 3KN1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Power Train | 1 | 123-8189 | - | - |
| 3KN458-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

TH83

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 3RN1-1071 | | | | |
| Fuel | 1 | 130-6321 | - | - |
| 3RN1-1891 | | | | |
| Fuel - FWS | 1 | 138-3100 | - | - |
| 3RN1-2055 | | | | |
| Hydraulic | 1 | 6E-5215 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 3RN1-4014 | | | | |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| 3RN1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Power Train | 1 | 123-8189 | - | - |
| 3RN4015-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel | 1 | 101-3376 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

TH83 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 101-3376 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

TH103

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 3PN1-600 | | | | |
| Hydraulic | 1 | 6E-5215 | - | - |
| 3PN1-901 | | | | |
| Fuel - FWS | 1 | 138-3100 | - | - |
| 3PN1-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - FR | 1 | 134-3014 | - | - |
| Power Train | 1 | 123-8189 | - | - |
| 3PN472-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 5HK35319-61356(Engine) | | | | |
| Fuel | 1 | 101-3376 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK35319-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 9RM1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |

TH210

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Telehandlers

TH210 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 7SG1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| CEC1-UP | | | | |
| Air - Cab | 1 | 204-3124 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Hydraulic | 1 | 200-1546 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| MHT1-UP | | | | |
| Air - Cab | 1 | 204-3124 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 200-1546 | - | - |

TH215

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 7SG1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| CEG1-UP | | | | |
| Air - Cab | 1 | 204-3124 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Hydraulic | 1 | 200-1546 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| MHS1-UP | | | | |
| Air - Cab | 1 | 204-3124 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic | 1 | 200-1546 | - | - |

TH220B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

TH220B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| CRX1-106(Engine) | | | | |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| CRX1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| SLA1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 201-5023 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

TH330B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| CRX1-106(Engine) | | | | |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| CRX1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| SLB1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 201-5023 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

TH340B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| CRX1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| CRX4387-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| SLC1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 201-5023 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |

Telehandlers

TH340B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

TH350B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7BJ19000-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| CRX1-106(Engine) | | | | |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| CRX1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| SLD1-599 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 151-2409 | - | - |
| SLD1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |
| Air - Cab Heater | 1 | 201-5023 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

TH355B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| CRX1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| CRX4387-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| JRK1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |
| Air - Cab Heater | 1 | 201-5023 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

TH360B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7BJ1-UP(Engine) | | | | |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| 7BJ19000-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| CRX1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| CRX4387-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| SLE1-1349 | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| SLE1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |
| Air - Cab Heater | 1 | 201-5023 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

TH460B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7BJ19000-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| CRX1-106(Engine) | | | | |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| CRX1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| SLF1-899 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 151-2409 | - | - |
| SLF1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |
| Air - Cab Heater | 1 | 201-5023 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Telehandlers

TH560B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| CRX1-106(Engine) | | | | |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| CRX1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| SLG1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 201-5023 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

TH580B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| CRX1-206(Engine) | | | | |
| Engine Oil - Cartridge | 1 | 1R-1801 | - | - |
| CRX1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| SLH1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 201-5023 | - | - |
| Air Primary | 1 | 206-5234 | - | - |
| Air Secondary | 1 | 206-5235 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Track Loaders

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Final Drive | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 {1} | -25 | 25 | -13 | 77 |
| | | SAE 50 | -15 | 50 | 5 | 122 |
| | Cat TDTO TMS | Multi-grade | -30 | 25 | -22 | 77 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Undercarriage

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Equalizer Bar End and Pin Joint | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| Track Roller Frame Recoil Spring and the Pivot Shaft Bearings | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 {1} | -20 | 25 | -4 | 77 |
| | | SAE 50 | 0 | 50 | 32 | 122 |
| | Cat TDTO TMS | Multi-grade | -25 | 25 | -13 | 77 |
| Track Idlers and Track Rollers | Cat DEO / DEO-ULS | SAE 15W-40 {1} | -10 | 50 | 14 | 122 |
| | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| | Cat FDAO SYN | Multi-grade | -30 | 50 | -22 | 122 |

{1} Factory Fill Fluid

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|---------------------------------------|--|---------------------------|-----|-----|-----|------------|-------------------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Equalizer Bar Pin, Recoil Piston, Track Adjustment | High | Continuous excavating and loading from bank. Land clearing. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | Extreme Application Grease |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| | Medium | Bank or stockpile loading with idling periods. Load and carry. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| | Low | Large amounts of idling in any application. | -20 | 40 | -4 | 104 | 2 | Utility Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

931B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Track Loaders

931B (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 25Y1-UP | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 26Y1-UP | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 29Y1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 30Y1-UP | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 45V32894-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| 4SC1-UP | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 6EC1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

931C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2BJ1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 45V69306-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5LG1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 6RF1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 7HF1-UP | | | | |

931C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 8AF1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

931C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2AK1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 45V90750-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6AJ1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 7YJ1-2721(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7YJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| 7YJ2722-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 9AG1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

933

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Track Loaders

933 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5XK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel | 1 | 5I-7951 | - | - |
| 8FL1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 8FL393-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0734 | - | - |
| 9EL1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 9EL109-UP | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |

933C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4MS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5JS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5XK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel | 1 | 5I-7951 | - | - |

935B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

935B (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 3DF1-UP | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 45V60736-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |

935C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 45V69350-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8CF1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

935C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 45V90750-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5DJ1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 7YJ1-2721(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7YJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |

Track Loaders

935C II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 7YJ2722-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 1R-0740 | 1R-0750 | - |

939

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5XK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel | 1 | 5I-7951 | - | - |
| 9GL1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

939C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5XK12250-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel | 1 | 5I-7951 | - | - |
| 6DS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

943

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

943 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 03Y1-1230 | | | | |
| Air - Cab | 2 | 9G-1518 | - | 175-2833 |
| Air - Cab | 1 | 8G-0844 | - | - |
| 03Y1-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |
| 03Y1281-UP | | | | |
| Air Primary | 1 | 8N-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 03Y1482-UP | | | | |
| Air - Cab | 1 | 8G-0844 | - | - |
| 10X5416-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10X6425-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| 19Z1-194 | | | | |
| Air - Cab | 2 | 9G-1518 | - | 175-2833 |
| Air - Cab | 1 | 8G-0844 | - | - |
| 19Z1-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------------|----------|-------------|----------|-----------------------|
| 19Z202-UP | | | | |
| Air Primary | 1 | 8N-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 19Z274-UP | | | | |
| Air - Cab | 1 | 8G-0844 | - | - |
| 1DA1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 1DA2761-UP(Transmission) | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 45V38842-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7YJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

953

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 10X5418-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10X6424-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| 20Z1-189 | | | | |
| Air - Cab | 1 | 8G-0844 | - | - |
| Air - Cab | 2 | 9G-1518 | - | 175-2833 |
| 20Z1-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |
| 20Z327-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 8G-0844 | - | - |
| 45V38842-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4NA1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 77Y1-849 | | | | |
| Air - Cab | 1 | 8G-0844 | - | - |
| Air - Cab | 2 | 9G-1518 | - | 175-2833 |

Track Loaders

953 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 77Y1-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 77Y1209-UP | | | | |
| Air - Cab | 1 | 8G-0844 | - | - |

953B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------------|----------|-------------|----------|-----------------------|
| 4NA6222-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 4TF17905-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF3496-17904(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 4TF3496-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 5MK1-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |

953C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 2ZN1-1749 | | | | |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| 2ZN1-4697 | | | | |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| 2ZN1-942 | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 2ZN1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| 2ZN1750-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |

953C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 22N943-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 4TF19620-43692(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 4TF19620-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF35267-UP(Engine) | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| BBX1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic | 1 | 209-6906 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| GRK914-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

953D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 319-0844 | - | - |
| Fuel Secondary - UHE | 1 | 306-9199 | - | - |
| LBP1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 209-8217 | - | - |
| Air Primary | 1 | 252-5001 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 252-5002 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Track Loaders

963

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 07Z1055-15440(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 07Z15441-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 07Z8663-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 12Z1-9573(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 12Z6169-UP(Engine) | | | | |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 12Z9574-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 18Z1-860 | | | | |
| Air - Cab | 2 | 9G-1518 | - | 175-2833 |
| 18Z1-UP | | | | |
| Air - Cab | 1 | 8G-0844 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 18Z1544-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| 21Z1-147 | | | | |
| Air - Cab | 2 | 9G-1518 | - | 175-2833 |
| 21Z1-4547 | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| 21Z1-UP | | | | |
| Air - Cab | 1 | 8G-0844 | - | - |
| 21Z452-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| 21Z4548-5657 | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 4TA1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

963B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4TF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 4TF32801-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 8EX1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

963B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 9BL1-UP | | | | |
| Air - Cab | 2 | 9G-1518 | - | 175-2833 |
| Air - Cab | 1 | 8G-8287 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| 9BL1816-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |

963C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2DS1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| 2DS2563-UP | | | | |
| Hydraulic - ADV | 2 | 1R-0774 | 1R-0774 | 139-1536 |
| 4TF29400-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| BBD1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 116-7376 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 209-6906 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - ADV | 2 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

Track Loaders

963C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - | Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

963D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|-----------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | | Air Secondary | 1 | 252-5002 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - | Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - UHE | 1 | 319-0844 | - | - | Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - UHE | 1 | 306-9199 | - | - | Hydraulic - FR | 1 | 156-0214 | - | - |
| LCS1-UP | | | | | Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Air - Cab | 1 | 209-8217 | - | - | Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Air - Cab | 1 | 266-7765 | - | 266-7765 | | | | | |
| Air Primary | 1 | 252-5001 | - | - | | | | | |

973

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|-------------------|----------|-------------|----------|-----------------------|
| 08Z15940-UP(Engine) | | | | | Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - | 66G1-413 | | | | |
| 08Z7479-19493(Engine) | | | | | Air - Cab | 2 | 9G-1518 | - | 175-2833 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - | 66G1-UP | | | | |
| 13Z1-UP(Engine) | | | | | Air - Cab | 1 | 8G-0844 | - | - |
| Engine Oil | 1 | 2P-4004 | - | - | Hydraulic | 2 | 4T-3134 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - | 86G1-UP | | | | |
| 13Z32120-UP(Engine) | | | | | Air - Cab | 1 | 8G-0844 | - | - |
| | | | | | 86G1389-UP | | | | |

973 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 86G3000-UP | | | | |
| Air - Cab | 2 | 9G-1518 | - | 175-2833 |
| Air - Cab | 1 | 8G-8287 | - | - |
| Hydraulic | 2 | 9J-5461 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 86G319-UP | | | | |
| Hydraulic | 2 | 4T-3134 | - | - |
| 8CA1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 8EA1-UP(Transmission) | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

973C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 13Z45526-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3RZ1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| 3RZ640-UP | | | | |
| Hydraulic - UHE | 2 | 139-1536 | - | 139-1536 |
| 4ZF1-25883(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 4ZF1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 4ZF6308-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| BCP1-UP | | | | |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 116-7376 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 209-5590 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| LDX1-UP | | | | |
| Air - Cab | 1 | 116-7376 | - | - |

Track Loaders

973C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 209-5590 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| SAN221-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| THY1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXD1431-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

973D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| LCP1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 209-8217 | - | - |
| Air Primary | 1 | 290-1935 | - | - |
| Air Secondary | 1 | 290-1936 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| THY1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXD1-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXD2244-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

983B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 58X1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| 70V5101-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 70V8752-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Track Skidders

Coolants

| Cat Recommended Coolants | |
|---|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS•SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmission

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Power Shift Transmission | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 {1} | 0 | 50 | 32 | 122 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -10 | 50 | 14 | 122 |
| Two Speed Transmission | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Track Skidders

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Final Drive and Swing Drive | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 {1} | -25 | 25 | -13 | 77 |
| | | SAE 50 | -15 | 50 | 5 | 122 |
| | Cat TDTO TMS | Multi-grade | -30 | 25 | -22 | 77 |
| Final Drive for Large Track Skidders (Steel tracked machines with elevated final drives except the 561M and 561N) | Cat FDAO | SAE 60 {1} | -7 | 50 | 19 | 122 |
| | Cat TDTO | SAE 30 | -25 | 15 | -13 | 59 |
| | | SAE 50 | -15 | 32 | 5 | 90 |
| | Cat FDAO SYN | Multi-grade | -15 | 50 | 5 | 122 |
| | Cat TDTO TMS | Multi-grade | -35 | 15 | -31 | 59 |

{1} Factory Fill Fluid

Oils - Undercarriage

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------------|----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Track Idlers and Track Rollers | Cat DEO / DEO-ULS | SAE 15W-40 {1} | -10 | 50 | 14 | 122 |
| | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| | Cat FDAO SYN | Multi-grade | -30 | 50 | -22 | 122 |

{1} Factory Fill Fluid

Oils - Special Applications

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------|----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Variable Pitch Fan | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|---|---|--|---------------------------|-----|-----|-----|----------------|-------------------------------------|
| | | | ° C | | ° F | | | |
| | | | Min | Max | Min | Max | | |
| Articulation Bearings, Bogie Bearings, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Gate Cylinder, Grapple Head Rotator, Swing Drive Bearing, Swing Drive Gear, Winch Drive Shaft Bearing, Winch Drive Shaft Universal Joint, Winch Drum Bearing | High | 517- Skidding loads over 4536 kg (10,000 lb) in steep terrain (over 30%) with high skidding resistance. 525B- Skidding loads over 6800 kg (15,000 lb) in steep terrain (over 10%) with high skidding resistance. 527- Skidding loads over 6360 kg (14,000 lb) in steep terrain (over 30%) with high skidding resistance. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | Extreme Application Grease |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| | Medium | 517- Skidding loads up to 4536 kg (10,000 lb) in moderate terrain (8-30%) with medium skidding resistance. 525B- Skidding loads up to 6800 kg (15,000 lb) in moderate terrain (5-10%) with average skidding resistance. 527- Skidding loads up to 6360 kg (14,000 lb) in moderate terrain (8-30%) with medium skidding resistance. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| Low | 517- Skidding loads less than 4536 kg (10,000 lb) in flat terrain (0-8%) with low skidding resistance. 525B- Skidding loads less than 4500 kg (10,000 lb) in flat terrain (0-5%) with low skidding resistance. 527- Skidding loads less than 6360 kg (14,000 lb) in flat terrain (0-8%) with low skidding resistance. | -20 | 40 | -4 | 104 | 2 | Utility Grease | |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

517

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 09Z16660-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5WW1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

Track Skidders

517 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Transmission | 1 | 343-4464 | - | - |
| 6PW1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| H4G1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

527

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 09Z15660-17080(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 09Z15660-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2RS1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| 3DS1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |

527 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 3DS344-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| 4NS1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| BDW1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| H4G1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| JSR1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| PTR1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

Track-Type Tractors

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmission

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Power Shift Transmission | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 {1} | 0 | 35 | 32 | 95 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -15 | 43 | -5 | 110 |
| {1} Factory Fill Fluid | | | | | | |

Track-Type Tractors

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Application | Oil Type | Viscosity Grade | °C | | °F | |
|--|--|--------------|-----------------------|-----------|-----|-----|-----|
| | | | | Min | Max | Min | Max |
| Final Drive for D7E and Elevated Track Type Tractors (Except the D5M, D5N, D6M, and D6N) | Moderate Usage or Intermittent Operation | Cat FDAO | SAE 60 {1} | -25 | 50 | -13 | 122 |
| | | Cat TDTO | SAE 30 | -30 | 15 | -22 | 59 |
| | | | SAE 50 | -25 | 32 | -13 | 90 |
| | | Cat TDTO TMS | Multi-grade | -40 | 15 | -40 | 59 |
| | Cat FDAO SYN | Multi-grade | -40 | 50 | -40 | 122 | |
| | Severe Usage or Continuous Operation (Multiple Shifts) | Cat FDAO | SAE 60 {1} | -35 | 50 | -31 | 122 |
| | | Cat TDTO | SAE 30 | -40 | 0 | -40 | 32 |
| | | | SAE 50 | -35 | 14 | -31 | 58 |
| | | Cat FDAO SYN | Multi-grade | -40 | 50 | -40 | 122 |
| | Final Drive (Differential Gear Boxes) Oval Track Type Tractors (including the D5M, D5N, D6M, and D6N) except D7E | Normal | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 |
| Cat TDTO | | | SAE 10W | -30 | 0 | -22 | 32 |
| | | | SAE 30 | -25 | 25 | -13 | 77 |
| | | | SAE 50 {1} | -15 | 50 | 5 | 122 |

{1} Factory Fill Fluid

Oils - Special Application

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| End Pin Joints for the Equalizer Bar, Bogie Cartridge Pins, and Track Pins | Cat Synthetic Oil | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| Winches (hydraulic drive) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 {1} | 0 | 43 | 32 | 110 |
| | Cat TDTO TMS | Multi-grade | -10 | 35 | 14 | 95 |
| Track Roller Frame Recoil Spring Pivot Shaft Bearings | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 {1} | -20 | 25 | -4 | 77 |
| | | SAE 50 | 0 | 50 | 32 | 122 |
| Cat TDTO TMS | Multi-grade | -25 | 25 | -13 | 77 | |
| Track Idlers and Track Rollers | Cat DEO / DEO-ULS | SAE 15W-40 {1} | -10 | 50 | 14 | 122 |
| | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| | Cat FDAO SYN {2} | Multi-grade | -30 | 50 | -22 | 122 |
| Variable Pitch Fan | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |

Track-Type Tractors

Oils - Special Application (Cont'd.)

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|----------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| {1} Factory Fill Fluid | | | | | | |
| {2} Cat FDAO SYN is required for all D11 Track Idlers | | | | | | |

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|---|---|---------------------------|-----|-----|-----|----------------|-------------------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Adjust Track, Angle Blade Tilt Brace, Equalizer Bar Pins, Fan Drive Belt Tightener, Lift Cylinder Yoke Bearing, Winch Drum Bearing, Winch Fairlead Rollers | High | Ditching, fill spreading, spreading base material, ripping, heavy road maintenance, snow plowing. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | Extreme Application Grease |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| | Medium | Average road maintenance, road mix work, scarifying, snow plowing. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| Low | Finish grading, light maintenance, road travel. | -20 | 40 | -4 | 104 | 2 | Utility Grease | |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

D3B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 23Y1-UP | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 24Y1-UP | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 27Y1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 28Y1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 28Y1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

Track-Type Tractors

D3B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2PC1-UP | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| 2PC246-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 3YC1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 45V32894-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| 45V40547-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5MC1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

D3C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1PJ1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 3RF1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 45V-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| 45V69306-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5KG1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 6PF1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 7JF1-UP | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |

D3C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 7YJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 8BF1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

D3C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 45V90750-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4HJ1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 5CJ1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5ZG1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 7JG1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 7YJ1-2721(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7YJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |

Track-Type Tractors

D3C II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7YJ2722-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 8DG1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

D3C III

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4KS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4KS395-UP | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| 4TS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5GS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5GS374-UP | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| 5XK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel | 1 | 5I-7951 | - | - |
| 6SL1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6SL2556-UP | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| 7XL1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |

Track-Type Tractors

D3C III (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7XL1108-UP | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| 9TS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

D3G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 5XK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| BYR1-UP | | | | |
| Air - Cab | 1 | 183-2813 | - | - |
| Air - Cab | 1 | 200-2422 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CFC1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 200-2422 | - | - |
| Air - Cab | 1 | 183-2813 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CFF1-UP | | | | |
| Air - Cab | 1 | 200-2422 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 183-2813 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

Track-Type Tractors

D3G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JMH1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 200-2422 | - | - |
| Air - Cab | 1 | 183-2813 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Element-Water Separator | 1 | 361-9554 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MHK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |

D3K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C4E1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - FWS | 1 | 271-5076 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| FFF1-UP | | | | |
| Air | 1 | 307-4442 | - | - |
| Air | 1 | 268-6705 | - | - |
| Air - A/C | 1 | 326-8179 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 318-7190 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JTD1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air | 1 | 268-6705 | - | - |
| Air | 1 | 307-4442 | - | - |
| Air - A/C | 1 | 326-8179 | - | - |
| Air - Cab | 1 | 318-7190 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| LLL1-UP | | | | |
| Air | 1 | 307-4442 | - | - |
| Air | 1 | 268-6705 | - | - |
| Air - A/C | 1 | 326-8179 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 318-7190 | - | - |
| Air Primary | 1 | 293-4053 | - | - |

D3K (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

D4B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 1SG1-UP | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 2XF1-UP | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 45V60736-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |

D4C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1RJ1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 2CJ1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 45V69350-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Track-Type Tractors

D4C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 45V84091-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 1R-0740 | 1R-0750 | - |

D4C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 45V90750-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7KG1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 7YJ1-2721(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7YJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| 7YJ2722-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 9BG1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

D4C III

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 1FW1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |

Track-Type Tractors

D4C III (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4LS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5XK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel | 1 | 5I-7951 | - | - |
| 6BS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6BS321-UP | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| 6YL1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7SL1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8CS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 8CS374-UP | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel | 1 | 5I-7951 | - | - |

D4E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Track-Type Tractors

D4E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 07Z1004-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 07Z238-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 07Z32317-UP(Engine) | | | | |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 07Z5175-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 07Z7054-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 12Z1-3223(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 12Z1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 12Z3224-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 27X1-UP | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 28X1-UP | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 29X1-UP | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 2CB1-UP | | | | |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Coolant | 1 | 3G-3467 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 2CB382-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 4M-8047 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 2DJ1-1831 | | | | |
| Air | 1 | 4M-8047 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 2DJ1-UP | | | | |
| Coolant | 1 | 3G-3467 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 2DJ1619-1765 | | | | |
| Hydraulic | 1 | 9J-1212 | - | - |
| 2DJ1766-UP | | | | |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 2DJ1832-UP | | | | |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| 2DJ829-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 31C100-UP | | | | |
| Air Primary | 1 | 8N-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| Coolant | 1 | 3G-3467 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 34C100-UP | | | | |
| Air Primary | 1 | 8N-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| Coolant | 1 | 3G-3467 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 46V1-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 4YD1-1227(Engine) | | | | |

Track-Type Tractors

D4E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 2P-4004 | - | - |
| 4YD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 2Y-8670 | - | - |
| 59Z1-1385(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 59Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 59Z1386-UP(Engine) | | | | |
| Fuel | 1 | 2Y-8670 | - | - |
| 68X767-UP | | | | |
| Hydraulic | 1 | 9J-1212 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 68X852-UP | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 68X872-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 69X1425-UP | | | | |
| Hydraulic | 1 | 9J-1212 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 69X1504-UP | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 69X1532-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 70X825-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 70X903-UP | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 70X921-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 71X426-UP | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| Hydraulic | 1 | 9J-1212 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 71X430-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 72X639-UP | | | | |
| Hydraulic | 1 | 9J-1212 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 72X651-UP | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 72X666-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 76W1-UP | | | | |
| Air Primary | 1 | 8N-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| Coolant | 1 | 3G-3467 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 76W2505-UP | | | | |
| Air | 1 | 4M-8047 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 76W3168-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 77W1-UP | | | | |
| Air Primary | 1 | 8N-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| Coolant | 1 | 3G-3467 | - | - |

Track-Type Tractors

D4E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 77W1144-UP | | | | |
| Air | 1 | 4M-8047 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 77W1664-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 78P34523-46310(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 7PB1-UP | | | | |
| Coolant | 1 | 3G-3467 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 7PB650-UP | | | | |
| Air | 1 | 4M-8047 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 9CB1-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| Fuel | 1 | 1W-9532 | - | - |
| 9CB142-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

D4G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5XK30700-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| CFN1-UP | | | | |
| Air - Cab | 1 | 200-2422 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 183-2813 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| FDC1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 200-2422 | - | - |
| Air - Cab | 1 | 183-2813 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| HYD1-UP | | | | |
| Air - Cab | 1 | 183-2813 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 200-2422 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |

Track-Type Tractors

D4G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Element-Water Separator | 1 | 361-9554 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MHK1-UP(Engine) | | | | |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| TLX1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 183-2813 | - | - |
| Air - Cab | 1 | 200-2422 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

D4H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 1WB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 2AC1-5499 | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 2AC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air - Cab | 2 | 329-3243 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2AC376-UP | | | | |
| Hydraulic - UHE | 1 | 139-1533 | - | 139-1533 |
| 2CC1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3AC1-UP | | | | |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3AC389-UP | | | | |
| Hydraulic - UHE | 1 | 139-1533 | - | 139-1533 |
| 45V47656-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| 45V69453-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Track-Type Tractors

D4H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 45V78881-UP(Engine) | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 7YJ1-3152(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7YJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 7YJ3153-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 8PB1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8PB800-UP | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 9DB1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9DB501-UP | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 9FB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |

D4H II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 2AC1-5499 | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 2AC1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2AC376-UP | | | | |
| Hydraulic - UHE | 1 | 139-1533 | - | 139-1533 |
| 3AC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |

D4H II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3AC389-UP | | | | |
| Hydraulic - UHE | 1 | 139-1533 | - | 139-1533 |
| 45V47656-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| 45V69453-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 45V78881-UP(Engine) | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 7BG1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 7YJ1-3152(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7YJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 7YJ3153-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 8PB1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 9W-3639 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8PB800-UP | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 9DB1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9DB501-UP | | | | |
| Transmission | 1 | 343-4464 | - | - |

D4H III

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 09Z10600-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2EJ1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 4NK1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |

Track-Type Tractors

D4H III (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 139-1533 | - | 139-1533 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7BG1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 8PJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 8N-4901 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| 9GJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |

D4K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C4E1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - FWS | 1 | 271-5076 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| MMM1-UP | | | | |
| Air | 1 | 307-4442 | - | - |
| Air | 1 | 268-6705 | - | - |
| Air - A/C | 1 | 326-8179 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 318-7190 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

Track-Type Tractors

D4K (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 | Air Secondary | 1 | 227-7449 | - | - |
| RRR1-UP | | | | | Engine Oil | 1 | 7W-2326 | - | - |
| Air | 1 | 307-4442 | - | - | Fuel - FWS | 1 | 308-7298 | - | - |
| Air | 1 | 268-6705 | - | - | Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Air - A/C | 1 | 326-8179 | - | - | Hydraulic | 1 | 212-9363 | - | - |
| Air - Cab | 1 | 209-8217 | - | - | Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Air - Cab | 1 | 266-7765 | - | 266-7765 | Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Air - Cab | 1 | 318-7190 | - | - | | | | | |
| Air Primary | 1 | 293-4053 | - | - | | | | | |

D5B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|-------------------------|----------|-------------|----------|-----------------------|
| 08Z19205-UP(Engine) | | | | | 21Y1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 08Z20404-UP(Engine) | | | | | 21Y558-UP | | | | |
| Engine Oil | 1 | 2P-4004 | - | - | Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 08Z446-UP(Engine) | | | | | Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - | 22X1-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - | Fuel Primary | 1 | 8H-4681 | - | - |
| 13Z1-5223(Engine) | | | | | 23X1-UP | | | | |
| Engine Oil | 1 | 2P-4004 | - | - | Fuel Primary | 1 | 8H-4681 | - | - |
| 13Z1-UP(Engine) | | | | | 24X1-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - | Fuel Primary | 1 | 8H-4681 | - | - |
| 13Z4328-UP(Engine) | | | | | 25X1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | Fuel Primary | 1 | 8H-4681 | - | - |
| 1AF1-992(Engine) | | | | | 26X1-UP | | | | |
| Engine Oil | 1 | 2P-4004 | - | - | Fuel Primary | 1 | 8H-4681 | - | - |
| 1AF1-UP(Engine) | | | | | Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Fuel | 1 | 2Y-8670 | - | - | | | | | |
| 1AF978-UP(Engine) | | | | | | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | | | | | |

Track-Type Tractors

D5B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 43X722-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 44X1111-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 45X422-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 46X724-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| 5LD1-UP | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 2 | 4J-0816 | - | - |
| Hydraulic | 2 | 4T-3130 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 8HD1-UP | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |
| Hydraulic | 2 | 4T-3130 | - | - |
| Hydraulic | 2 | 4J-0816 | - | - |

D5C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 3MK1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 45V97770-99999(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 45V97770-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |
| 6PJ1-UP | | | | |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

Track-Type Tractors

D5C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 7YJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0713 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 1R-0740 | 1R-0750 | - |

D5C III

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5XK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel | 1 | 5I-7951 | - | - |
| 6CS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6ZL1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6ZL795-UP | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| 7PS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 8ZS1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9DL1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |

Track-Type Tractors

D5C III (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 4N-0326 | - | - |
| Air Secondary - Axial Seal | 1 | 4N-0313 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9DL2237-UP | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |

D5E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 6NC2650-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7KJ1-UP | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |
| Hydraulic | 2 | 4T-3130 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0728 | - | 139-1532 |
| 8TD3670-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 9RG1-353 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |
| 9RG1-UP | | | | |
| Hydraulic | 2 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic | 2 | 4T-3130 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0728 | - | 139-1532 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 9RG354-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

D5G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Track-Type Tractors

D5G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5XK30700-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| FDH1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 183-2813 | - | - |
| Air - Cab | 1 | 200-2422 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| FDW1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 200-2422 | - | - |
| Air - Cab | 1 | 183-2813 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MHK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| RKG1-UP | | | | |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air - Cab | 1 | 200-2422 | - | - |
| Air - Cab | 1 | 183-2813 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| WGB1-UP | | | | |
| Air - Cab | 1 | 183-2813 | - | - |
| Air - Cab | 1 | 200-2422 | - | - |
| Air - Cab | 1 | 6C-9226 | - | - |
| Air Primary | 1 | 180-5474 | - | - |
| Air Secondary | 1 | 180-5475 | - | - |
| Element-Water Separator | 1 | 361-9554 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

D5H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 12Z10967-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 12Z39000-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Track-Type Tractors

D5H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1DD1-5759 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 1DD1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 9W-3639 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 4T-0523 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 1DD5760-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 1WB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 2CC1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 2EJ1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 7NC1-5524 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 7NC1-UP | | | | |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 4T-0523 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 7NC5525-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 8RC1-5846 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 8RC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 9W-3639 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 4T-0523 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 8RC5847-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 9HC1-5518 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 9HC1-UP | | | | |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic | 1 | 4T-0523 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 9HC5519-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

D5H II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Track-Type Tractors

D5H II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 12Z10967-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 12Z39000-UP(Engine) | | | | |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1DD1-5759 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 1DD1-UP | | | | |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Hydraulic | 1 | 4T-0523 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 1DD5760-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 2EJ1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 8RC1-5846 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 8RC1-UP | | | | |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Hydraulic | 1 | 4T-0523 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 8RC5847-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 8RJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 9W-3639 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 4T-0523 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 9HC1-5518 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 9HC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 9W-3639 | - | - |
| Hydraulic | 1 | 4T-0523 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 9HC5519-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

D5K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Track-Type Tractors

D5K (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C4E1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 271-5076 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| JLF1-UP | | | | |
| Air | 1 | 268-6705 | - | - |
| Air | 1 | 307-4442 | - | - |
| Air - A/C | 1 | 326-8179 | - | - |
| Air - Cab | 1 | 318-7190 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| WWW1-UP | | | | |
| Air | 1 | 307-4442 | - | - |
| Air | 1 | 268-6705 | - | - |
| Air - A/C | 1 | 326-8179 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 318-7190 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| YYY1-UP | | | | |
| Air | 1 | 307-4442 | - | - |
| Air | 1 | 268-6705 | - | - |
| Air - A/C | 1 | 326-8179 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 318-7190 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air Primary | 1 | 293-4053 | - | - |
| Air Secondary | 1 | 227-7449 | - | - |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

D5M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 3CR1-1032 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3CR1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |

Track-Type Tractors

D5M (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 3CR1033-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 3DR1-423 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3DR1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 3DR424-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 4BR1-532 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4BR1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 4BR533-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 4TF23390-28928(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 4TF23390-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 4TF28929-UP(Engine) | | | | |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 6GN1-1334 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6GN1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 6GN1335-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

D5N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| AGG1-331 | | | | |
| Fuel - Ethanol | 1 | 121-9868 | 1R-0751 | 364-5287 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - UHE | 1 | 126-1815 | - | 126-1815 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| AGG1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Charcoal | 2 | 141-7903 | - | 141-7903 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |

Track-Type Tractors

D5N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| AGG1335-UP | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| AKD1-411 | | | | |
| Fuel - Ethanol | 1 | 121-9868 | 1R-0751 | 364-5287 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - UHE | 1 | 126-1815 | - | 126-1815 |
| AKD1-UP | | | | |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Cab | 2 | 329-3243 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Charcoal | 2 | 141-7903 | - | 141-7903 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| AKD1135-UP | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

D6D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 03N52495-97020(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 03N97021-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 03X1-UP | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Primary | 1 | 7W-7831 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 04X1-UP | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 04X4266-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |

Track-Type Tractors

D6D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 05X1-UP | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 05X853-UP | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 06X1-UP | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z1629-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 08Z26470-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 19B1-UP | | | | |
| Coolant | 1 | 3G-3467 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 19B400-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 1AF1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 2Y-8670 | - | - |
| 36C100-UP | | | | |
| Hydraulic | 2 | 4T-3130 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 2 | 4J-0816 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 36C1129-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| 37C1-UP | | | | |
| Hydraulic | 2 | 4J-0816 | - | - |
| Hydraulic | 2 | 4T-3130 | - | - |
| 37C1015-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| 37C200-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 38C1-UP | | | | |
| Coolant | 1 | 3G-3467 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 38C100-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 47V1-16384(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 60Z1-2075(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 60Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 60Z2076-UP(Engine) | | | | |
| Fuel | 1 | 2Y-8670 | - | - |
| 6HC1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

Track-Type Tractors

D6D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 74W1-16163 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 74W1-UP | | | | |
| Hydraulic | 2 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 2 | 4T-3130 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 74W1417-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| 75W1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 2 | 4T-3130 | - | - |
| Hydraulic | 2 | 4J-0816 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 7XF1-UP | | | | |
| Air Primary | 1 | 4M-9334 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 2 | 4T-3130 | - | - |
| Hydraulic | 2 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 7YK1-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 8TD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9FK1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| R6J1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

D6E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 8FJ1-92 | | | | |
| Air Primary | 1 | 4M-9334 | - | - |
| Hydraulic | 2 | 4J-0816 | - | - |
| 8FJ1-UP | | | | |
| Air Secondary | 1 | 1C-6395 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 2 | 4T-3130 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 8FJ93-UP | | | | |

Track-Type Tractors

D6E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0728 | - | 139-1532 |
| 8TD3150-11450(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

D6H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1FJ1-5540 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 1FJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 1FJ482-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| 1FJ5500-5541 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 1FJ5541-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| 3YG1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 3YG1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 3YG4255-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 3YG5500-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 3YG5734-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| 3ZF1-5499 | | | | |

Track-Type Tractors

D6H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 3ZF1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 3ZF4383-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 3ZF4442-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 3ZF5500-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 3ZF5718-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| 4RC1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 4RC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-6636 | 9T-6636 | 126-1816 |
| 4RC1050-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 4RC2445-UP | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| 4RC4051-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4RC5500-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 5HF1-5513 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 5HF1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 5HF4160-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 5HF5514-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 6CF1-5533 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 6CF1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 6CF4160-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 6CF5534-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

D6H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 6FC1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 6FC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic | 1 | 9T-6636 | 9T-6636 | 126-1816 |
| Hydraulic | 1 | 4T-0522 | - | - |
| 6FC356-UP | | | | |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 6FC4034-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 6FC5500-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 6FC692-UP | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7PC1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8KB1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic | 1 | 9T-6636 | 9T-6636 | 126-1816 |
| 8KB441-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 8YC1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9JA1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

D6H II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

Track-Type Tractors

D6H II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1FJ1-5540 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 1FJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 1FJ482-5499 | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| 1FJ482-UP | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| 1FJ5500-5541 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 1FJ5541-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 1FJ5542-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| 1YL1-318 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 1YL1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 2BL1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 2BL344-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| 2KD1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2TG1-5587 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 2TG1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 2TG4095-5592 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 2TG525-4094 | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| 2TG525-UP | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |

Track-Type Tractors

D6H II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2TG5588-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 2TG5593-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| 2TL1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3YG1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 3YG1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 3YG4255-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 3YG4285-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 3YG5500-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 3YG5734-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| 3ZF1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3ZF1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 3ZF4383-UP | | | | |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 3ZF4442-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 3ZF5500-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 3ZF5718-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| 4LG1-5536 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 4LG1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 4LG4411-5592 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 4LG5537-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

Track-Type Tractors

D6H II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4LG5593-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| 4LG935-4410 | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| 4LG935-UP | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| 4RC1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 4RC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 9T-6636 | 9T-6636 | 126-1816 |
| Hydraulic | 1 | 4T-0522 | - | - |
| 4RC1050-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 4RC2445-UP | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| 4RC4051-4217 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 4RC4303-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 4RC5500-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 4YF1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5HF1-5513 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HF1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 5HF4160-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 5HF5514-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 5KK1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 6CF1-5533 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 6CF1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Track-Type Tractors

D6H II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 6CF4160-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 6CF5534-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 6CK1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 6CK348-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| 6FC1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 6FC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-6636 | 9T-6636 | 126-1816 |
| 6FC356-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 6FC4034-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 6FC5500-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 6FC692-UP | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8KK1-311 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 8KK1-313 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 8KK1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 8KK312-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 8KK314-UP | | | | |
| Hydraulic | 1 | 4T-0522 | - | - |
| 8SK1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8ZJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |

Track-Type Tractors

D6H II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 9JA1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 9KJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 9KJ430-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| 9LK1-360 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 9LK1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

D6K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Track-Type Tractors

D6K (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 319-0844 | - | - |
| Fuel Secondary - UHE | 1 | 306-9199 | - | - |
| DHA1-UP | | | | |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 271-5076 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| FBH1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 209-8217 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 271-5076 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| HMG1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 209-8217 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| NCF1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 209-8217 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

D6M

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 2RN1-568 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2RN1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |

Track-Type Tractors

D6M (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 2RN569-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 3WN1-2090 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3WN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 3WN1941-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 4JN1-1888 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4JN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 4JN1741-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 4TF23390-28950(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 4TF23390-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4TF28871-UP(Engine) | | | | |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 5WR1-516 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 5WR1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 5WR509-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 6LR1-499 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6LR1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 6LR500-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 7JS1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| 9ZM1-657 | | | | |

Track-Type Tractors

D6M (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9ZM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 9ZM658-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

D6N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| AKM1-1821 | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |
| AKM1-UP | | | | |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Charcoal | 2 | 141-7903 | - | 141-7903 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AKM1235-UP | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| AKM1794-UP | | | | |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| AKM676-1793 | | | | |
| Hydraulic | 1 | 225-4118 | - | - |
| ALH1-253 | | | | |
| Fuel - Ethanol | 1 | 121-9868 | 1R-0751 | 364-5287 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - UHE | 1 | 126-1815 | - | 126-1815 |
| ALH1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Charcoal | 2 | 141-7903 | - | 141-7903 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Primary | 1 | 146-6695 | - | - |

Track-Type Tractors

D6N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| ALH735-UP | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| ALR1-251 | | | | |
| Fuel - Ethanol | 1 | 121-9868 | 1R-0751 | 364-5287 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - UHE | 1 | 126-1815 | - | 126-1815 |
| ALR1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Charcoal | 2 | 141-7903 | - | 141-7903 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Primary | 1 | 146-6695 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| ALR635-UP | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| ALY1-2102 | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |
| ALY1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Charcoal | 2 | 141-7903 | - | 141-7903 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| ALY1335-UP | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| ALY2066-UP | | | | |
| Hydraulic | 1 | 212-9363 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| ALY706-2065 | | | | |
| Hydraulic | 1 | 225-4118 | - | - |
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 319-0844 | - | - |
| Fuel Secondary - UHE | 1 | 306-9199 | - | - |
| C8N1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| CBJ1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |

Track-Type Tractors

D6N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - Ethanol | 1 | 121-9868 | 1R-0751 | 364-5287 |
| Fuel Primary | 1 | 146-6695 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 126-1815 | - | 126-1815 |
| CBJ260-UP | | | | |
| Hydraulic | 1 | 225-4118 | - | - |
| CBJ505-UP | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| CCK1-708 | | | | |
| Fuel Primary | 1 | 146-6695 | - | - |
| CCK1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| DJY1-UP | | | | |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |

Track-Type Tractors

D6N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| G9G1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 319-0844 | - | - |
| Fuel Secondary - UHE | 1 | 306-9199 | - | - |
| GHS1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| GHS983-UP | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| JAH1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JAH288-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| LJR1-UP | | | | |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| LJR444-UP | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| MLW1-UP | | | | |
| Air - Cab | 2 | 7G-8116 | - | 141-7903 |
| Air - Cab | 2 | 329-3243 | - | - |
| Air Primary | 1 | 252-5001 | - | - |
| Air Secondary | 1 | 252-5002 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |

Track-Type Tractors

D6N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| MLW530-UP | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| PBA1-1007 | | | | |
| Filter Element As-Oil | 1 | 348-1862 | - | - |
| PBA1-UP | | | | |
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab Recirculation | 1 | 151-0914 | - | - |
| Air Primary | 1 | 346-6693 | - | - |
| Air Secondary | 1 | 346-6694 | - | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Transmission | 1 | 337-5270 | - | - |
| PBA1008-UP | | | | |
| Filter Element As-Oil | 1 | 389-1076 | - | - |
| PER1-454 | | | | |
| Filter Element As-Oil | 1 | 348-1862 | - | - |
| PER1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 329-3243 | - | - |
| Air - Cab Recirculation | 1 | 151-0914 | - | - |
| Air Primary | 1 | 346-6693 | - | - |
| Air Secondary | 1 | 346-6694 | - | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Transmission | 1 | 337-5270 | - | - |
| PER445-UP | | | | |
| Filter Element As-Oil | 1 | 389-1076 | - | - |
| SC61-UP | | | | |
| Air Primary | 1 | 346-6693 | - | - |
| Air Secondary | 1 | 346-6694 | - | - |
| Filter Element As-Oil | 1 | 389-1076 | - | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Transmission | 1 | 337-5270 | - | - |

D6R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Track-Type Tractors

D6R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|-----------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | | Air - Cab Heater | 1 | 6T-5068 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - | Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | Air Secondary | 1 | 6I-2502 | - | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 | Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - | Hydraulic | 1 | 9T-8999 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 10Z1-UP(Engine) | | | | | Hydraulic - FR | 1 | 104-6931 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - | Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 | Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - | 2YN1-UP | | | | |
| 10Z39077-UP(Engine) | | | | | Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | Air - Cab Heater | 1 | 6T-5068 | - | - |
| 13Z1-UP(Engine) | | | | | Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - | Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 | Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - | Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1RW1-UP | | | | | Hydraulic | 1 | 9T-8999 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 | Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Air - Cab Heater | 1 | 6T-5068 | - | - | Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 | Hydraulic - FR | 1 | 104-6931 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - | Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 | Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic | 1 | 9T-8999 | - | - | 3ZN1-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 | Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Hydraulic - FR | 1 | 104-6931 | - | - | Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 | Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 | Air Secondary | 1 | 6I-2502 | - | - |
| 2HM1-UP | | | | | Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 | | | | | |

Track-Type Tractors

D6R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 4FM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 4HN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 4JR1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 4MN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 5LN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |

Track-Type Tractors

D6R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 6JN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 6MR1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7GR1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 7KN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

Track-Type Tractors

D6R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 8LN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 8TM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 8XN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 9BM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

Track-Type Tractors

D6R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|-----------------------|----------|-------------|----------|-----------------------|
| 9MN1-UP | | | | | Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 | Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - | Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 | Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - | Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Hydraulic | 1 | 9T-8999 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - | Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - | Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - | Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 | Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 | A6M1-UP | | | | |
| Hydraulic - FR | 1 | 104-6931 | - | - | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 | D6R1-UP | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 9PN1-UP | | | | | DMP1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 | Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - | Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 | Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - | Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 | Air Secondary | 1 | 6I-2510 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - | Air Secondary | 1 | 6I-2502 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 | Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Hydraulic | 1 | 9T-8999 | - | - | Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 | Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - FR | 1 | 104-6931 | - | - | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 | Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 | Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| 9ZS1-UP | | | | | Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| | | | | | Hydraulic - FR | 1 | 104-6931 | - | - |

Track-Type Tractors

D6R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| EMM1-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| JEN1-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| S6T1-UP | | | | |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| S6X1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| S6Y1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Track-Type Tractors

D6R II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4ZF1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 7AZ1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| AAX1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| ACJ1-UP | | | | |
| Air - Cab | 1 | 231-3781 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| ADE1-UP | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |

Track-Type Tractors

D6R II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| AEM1-UP | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| AEP1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| AFM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| AGM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

Track-Type Tractors

D6R II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| BLE1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| BLT1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| BMJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| BMK1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| BMJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

Track-Type Tractors

D6R II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| BNC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| BNL1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| BPM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| BPP1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| BPS1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| BPZ1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| BRE1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Track-Type Tractors

D6R II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| BRJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| BRZ1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| CAD1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| DAE1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| FDT1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |

Track-Type Tractors

D6R II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| SAN1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| SAN1151-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

D6R III

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| DLM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| DMK1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 2 | 104-6931 | - | - |
| DPS1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| GJB1-UP | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

Track-Type Tractors

D6R III (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| GMT1-UP | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| HCD1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| HDC1-UP | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| HKE1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| JDL1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| LFM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |

Track-Type Tractors

D6R III (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| MRT1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| MTJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| RFC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| TBC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| THY1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| WCB1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

Track-Type Tractors

D6R III (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| WRG1-UP | | | | |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |

D6T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| DJG1-UP | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| DJG437-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| DTD1-1075 | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| DTD1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

Track-Type Tractors

D6T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Precleaner Gp-Cab Air | 1 | 304-8630 | - | - |
| Transmission | 1 | 337-5270 | - | - |
| EJJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |
| GCT1-2152 | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| GCT1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| GCT2153-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| GCT442-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| GMK1-999 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 231-3781 | - | - |
| GMK1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Precleaner Gp-Cab Air | 1 | 304-8630 | - | - |
| Transmission | 1 | 337-5270 | - | - |
| HTZ1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |
| JHB1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Track-Type Tractors

D6T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| JHB389-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| JRW1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |
| JWD1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 104-6931 | - | - |
| JWD270-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| JZC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |
| KJL1-UP | | | | |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| KJL921-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| KMR1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 386-2097 | - | 422-1089 |

Track-Type Tractors

D6T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 337-0790 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |
| KSB1-1124 | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| KSB1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Precleaner Gp-Cab Air | 1 | 304-8630 | - | - |
| Transmission | 1 | 337-5270 | - | - |
| LAE1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| LAY1229-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| LBD1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |

Track-Type Tractors

D6T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| LBD170-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| LKJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| LKJ401-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| MME1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| MYE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| PEZ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| PEZ475-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| PLR1-499 | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| PLR1-UP | | | | |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |
| RAD1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |

Track-Type Tractors

D6T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| RCW1-1099 | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| RCW1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Precleaner Gp-Cab Air | 1 | 304-8630 | - | - |
| Transmission | 1 | 337-5270 | - | - |
| RLW1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| RLW232-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| RRK1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| SKL1-UP | | | | |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| SKL579-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| SLJ1-1024 | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| SLJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |

Track-Type Tractors

D6T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Precleaner Gp-Cab Air | 1 | 304-8630 | - | - |
| Transmission | 1 | 337-5270 | - | - |
| SMC1-1601 | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| SMC1-UP | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| SMC1602-UP | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| SMC298-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| SYE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| THY1099-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TMY1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |
| TSM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| WCG1-UP | | | | |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |

Track-Type Tractors

D6T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| WCG496-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| WES1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |
| WFH1-UP | | | | |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 104-6931 | - | - |
| WFH446-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| WLM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |
| WRN1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Transmission | 1 | 337-5270 | - | - |
| ZEB1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

Track-Type Tractors

D6T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| ZEB206-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| ZJB1-1049 | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| ZJB1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Precleaner Gp-Cab Air | 1 | 304-8630 | - | - |
| Transmission | 1 | 337-5270 | - | - |

D7E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| HKA1-UP | | | | |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| MDB1-UP | | | | |
| Air | 1 | 307-4442 | - | - |
| Air | 1 | 268-6705 | - | - |
| Air - Cab | 1 | 318-7190 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab | 1 | 121-2760 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| MME1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| MYE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| SCG1-UP | | | | |

Track-Type Tractors

D7E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air | 1 | 307-4442 | - | - |
| Air | 1 | 268-6705 | - | - |
| Air - Cab | 1 | 318-7190 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 121-2760 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary-Radial Seal | 1 | 61-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 61-0274 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| SSH1-UP | | | | |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| TAN1-UP | | | | |
| Air | 1 | 307-4442 | - | - |
| Air | 1 | 268-6705 | - | - |
| Air - Cab | 1 | 121-2760 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab | 1 | 318-7190 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Secondary | 1 | 337-0790 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| TAN1200-UP | | | | |
| Precleaner Gp-Cab Air | 1 | 375-0233 | - | - |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| TJA1-UP | | | | |
| Air | 1 | 268-6705 | - | - |
| Air | 1 | 307-4442 | - | - |
| Air - Cab | 1 | 121-2760 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 318-7190 | - | - |
| Air Primary | 1 | 386-2097 | - | 422-1089 |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 337-0790 | - | - |
| Fuel - FWS UHE | 1 | 438-5386 | - | 438-5386 |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| TJA1100-UP | | | | |
| Precleaner Gp-Cab Air | 1 | 375-0233 | - | - |
| WDB1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| WYE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |

D7G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Track-Type Tractors

D7G II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3GF1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3ZD1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4YB1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 65V1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 72W1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 92V1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| X7C1-UP | | | | |
| Air | 1 | 275-9678 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 272-4864 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 1R-0778 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

D7H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

Track-Type Tractors

D7H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1MK1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 4FG1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 4FG1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 4FG329-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 4FG330-UP | | | | |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| 4FG5500-5631 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 4FG5632-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5BF1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 5BF1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 5BF5500-6032 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 5BF6033-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 5BF614-UP | | | | |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 5BF640-UP | | | | |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Track-Type Tractors

D7H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|----------------------------|----------|-------------|----------|-----------------------|
| 77Z1-UP | | | | | Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 | Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - | Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - | Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - | Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 79Z1-5499 | | | | | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - | 80Z5500-5525 | | | | |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - | Air Primary | 1 | 6I-2501 | - | 128-2686 |
| 79Z1-UP | | | | | Air Secondary | 1 | 6I-2502 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 | 80Z5526-UP | | | | |
| Air - Cab Heater | 1 | 6T-5068 | - | - | Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| 79Z2304-UP | | | | | Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - | 80Z641-UP | | | | |
| 79Z5500-5925 | | | | | Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 | Hydraulic - UHE | 1 | 139-1534 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - | 80Z802-UP | | | | |
| 79Z5926-UP | | | | | Hydraulic | 1 | 9J-5461 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 | 8LB1-UP | | | | |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - | Hydraulic | 1 | 2P-5834 | - | - |
| 79Z745-UP | | | | | 9EB1-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 | Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - UHE | 1 | 139-1534 | - | - | R6J1-UP(Engine) | | | | |
| 80Z1-5499 | | | | | Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - | Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - | Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 80Z1-UP | | | | | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

D7H II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Track-Type Tractors

D7H II (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1MK1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 2RG1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3XG1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4AB1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4FG1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 4FG1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 4FG329-UP | | | | |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 4FG330-UP | | | | |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| 4FG5500-5631 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 4FG5632-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 5BF1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 5BF1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 5BF5500-6032 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 5BF6033-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |

Track-Type Tractors

D7H II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5BF614-UP | | | | |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 5BF640-UP | | | | |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 79Z1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 79Z1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| 79Z2304-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |
| 79Z5500-5925 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 79Z5926-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 79Z745-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 80Z1-5499 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 80Z1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| 80Z5500-5525 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 80Z5526-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 80Z641-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 80Z802-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |
| 9EB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

D7R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Track-Type Tractors

D7R (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1MK1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 2EN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| 2HR1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 3DN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 3ZR1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5KZ1-UP | | | | |

Track-Type Tractors

D7R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7ZR1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9EB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 9HM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| BNM1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BNX1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BPT1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BRM1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BRP1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| CBZ1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| DJR1-UP | | | | |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| DLN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |

D7R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| DSH1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary | 1 | 1R-1712 | 1R-0749 | 416-1225 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| THX28268-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

D7R II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 7ZR3120-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 2 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| ABJ1-1499 | | | | |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| ABJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

Track-Type Tractors

D7R II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| ABJ1500-UP | | | | |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| ABJ1686-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| ACS1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| ADW1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| AEC1-1499 | | | | |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| AEC1-UP | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| AEC1500-UP | | | | |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |

Track-Type Tractors

D7R II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| AEC2129-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| AFG1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| AGN1-1499 | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| AGN1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| AGN1500-UP | | | | |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| AGN1893-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| EEA1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| KNA1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 175-2831 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

Track-Type Tractors

D8L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 48W19973-40737(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 48W19973-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 4FB1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 53Y1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 165-1689 | - | 220-0455 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 53Y1619-UP | | | | |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 53Y723-724 | | | | |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 5XD1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| 77M1-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 7YB1658-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 99C7569-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |

D8N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 11N1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

Track-Type Tractors

D8N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1XJ1-128 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 1XJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| 41Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 41Z22034-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| 41Z23559-28924(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| 5TJ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Power Train | 1 | 9T-8340 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 70V1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Track-Type Tractors

D8N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V21758-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 7TK1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Power Train | 1 | 9T-8340 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9EB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 9TC1-3982 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 9TC1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 9T-8999 | - | - |
| Hydraulic | 1 | 4T-6788 | 4T-6788 | 223-7809 |
| Hydraulic | 1 | 9T-1786 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| 9TC2454-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1534 | - | - |
| A5X1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| A5Y1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BET12066-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Track-Type Tractors

D8N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| MHX5208-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| TXF4916-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXJ130-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

D8R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 41Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6YZ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7XM1-1141 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 7XM1-3685 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-0522 | - | - |
| 7XM1-4639 | | | | |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 9T-8340 | - | - |
| 7XM1-4879 | | | | |
| Fuel | 1 | 4Q-5296 | - | - |
| 7XM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Group | 1 | 1Q-3363 | - | - |

Track-Type Tractors

D8R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7XM3686-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 9EB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 9EM1-782 | | | | |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 9EM1-897 | | | | |
| Power Train | 1 | 9T-8340 | - | - |
| 9EM1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel | 1 | 4Q-5296 | - | - |
| Fuel Group | 1 | 1Q-3363 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9EM1033-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| 9EM5802-UP | | | | |
| Transmission | 1 | 343-4465 | - | - |
| 9EM6533-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 9EM783-5801 | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| BET1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| LHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| T5X1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4465 | - | - |
| TXC1-UP(Engine) | | | | |

Track-Type Tractors

D8R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| TXG1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| TXJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

D8R II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 6YZ1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 1R-0778 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| AKA1-UP | | | | |
| Air - Cab | 1 | 6T-0988 | - | 175-2831 |
| Air - Cab Heater | 1 | 6T-5068 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 465-6504 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 1R-0778 | - | - |

Track-Type Tractors

D8R II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| BET1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

D8T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| ENG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| FCT1-UP | | | | |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab | 1 | 346-8243 | - | - |
| Air Primary | 1 | 396-2122 | - | 420-5282 |
| Air Primary | 1 | 231-0167 | - | - |
| Air Secondary | 1 | 331-8111 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 337-5270 | - | - |
| FCT1013-UP | | | | |
| Air Primary | 1 | 420-5282 | - | 420-5282 |
| FMC1-UP | | | | |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab | 1 | 346-8243 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary | 1 | 420-5282 | - | 420-5282 |
| Air Secondary | 1 | 331-8111 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 337-5270 | - | - |
| J8B1-1425 | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 1R-0778 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| J8B1-1882 | | | | |
| Air | 1 | 238-0479 | - | - |
| J8B1-2548 | | | | |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| J8B1-4499 | | | | |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |

Track-Type Tractors

D8T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| J8B1-UP | | | | |
| Air - Cab | 1 | 319-7944 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| J8B1914-4499 | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| J8B4500-UP | | | | |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 337-5270 | - | - |
| KPZ1-2453 | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Transmission | 1 | 343-4465 | - | - |
| KPZ1-3235 | | | | |
| Air | 1 | 238-0479 | - | - |
| Air - Cab | 1 | 319-7944 | - | - |
| KPZ1-UP | | | | |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 156-0214 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| KPZ3294-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| L4X1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| LHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| MLN1-UP | | | | |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab | 1 | 346-8243 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary | 1 | 396-2122 | - | 420-5282 |
| Air Secondary | 1 | 331-8111 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 337-5270 | - | - |
| MLN1500-UP | | | | |
| Air Primary | 1 | 420-5282 | - | 420-5282 |
| TXG1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

Track-Type Tractors

D8T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG6392-UP(Engine) | | | | |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| TXL1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |

D9L

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 14Y1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 147-0178 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 14Y2236-UP | | | | |
| Hydraulic | 1 | 9W-2932 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 3BC1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 73W1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| 73W1224-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 73W9746-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 80M7789-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

D9N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 1JD1-3654 | | | | |
| Hydraulic | 1 | 9W-2932 | - | - |

Track-Type Tractors

D9N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 1JD1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 165-1689 | - | 220-0455 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 1JD3655-UP | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 1JD3822-UP | | | | |
| Fuel | 1 | 7N-4415 | - | - |
| 48W23086-26673(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 48W26674-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 5XD1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| 6XJ1-UP | | | | |
| Air - Cab | 1 | 7T-1890 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 165-1689 | - | 220-0455 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel | 1 | 7N-4415 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8XB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 99C1927-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| 9EA1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| BET12066-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

D9R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 48W1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 48W38860-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5XD1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| 7TL1-1345 | | | | |
| Power Train | 1 | 9T-8340 | - | - |
| 7TL1-588 | | | | |

Track-Type Tractors

D9R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 7T-7358 | - | - |
| 7TL1-UP | | | | |
| Air - Cab | 1 | 7T-1890 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab UHE | 1 | 175-2839 | - | 175-2839 |
| Air - Cab UHE | 1 | 175-2832 | - | 175-2832 |
| Air Primary | 1 | 165-1689 | - | 220-0455 |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel | 1 | 7N-4415 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 2 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7TL557-UP | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 8BL1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 7T-1890 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6N-6444 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel | 1 | 4Q-5296 | - | - |
| Fuel | 1 | 7N-4415 | - | - |
| Fuel Group | 1 | 1Q-3363 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 2 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - FR | 1 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8BL1455-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic | 1 | 4T-0522 | - | - |
| 8BL830-UP | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 99C1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| ABK1-UP | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 7T-1890 | - | - |
| Air - Cab Recirculation | 1 | 154-7108 | - | - |
| Air - Cab UHE | 1 | 175-2832 | - | 175-2832 |
| Air - Cab UHE | 1 | 175-2839 | - | 175-2839 |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary | 1 | 165-1689 | - | 220-0455 |
| Air Primary - UHE | 1 | 132-7166 | - | 132-7166 |

Track-Type Tractors

D9R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 | Fuel | 1 | 4Q-5296 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - | Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel | 1 | 4Q-5296 | - | - | Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - | Fuel Group | 1 | 1Q-3363 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Fuel - FWS | 1 | 133-5673 | - | - | Hydraulic | 1 | 4T-3134 | - | - |
| Fuel Group | 1 | 1Q-3363 | - | - | Hydraulic | 1 | 9J-5461 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Hydraulic | 1 | 4T-0522 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - | Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 | Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 | Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 2 | 1R-0735 | 1R-0777 | 139-1537 | Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 | Hydraulic - Cartridge | 2 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 | Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - | Hydraulic - FR | 2 | 104-6931 | - | - |
| Hydraulic - FR | 2 | 104-6931 | - | - | Hydraulic - UHE | 2 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 2 | 139-1537 | - | 139-1537 | Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 | JJB1-UP | | | | |
| ACL1-UP | | | | | Air - Cab | 1 | 7T-1890 | - | - |
| Air - Cab | 1 | 107-0266 | - | - | Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 231-3781 | - | - | Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air - Cab | 1 | 7T-1890 | - | - | Air Primary - UHE | 1 | 132-7166 | - | 132-7166 |
| Air - Cab Recirculation | 1 | 154-7108 | - | - | Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air - Cab UHE | 1 | 175-2832 | - | 175-2832 | Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air - Cab UHE | 1 | 175-2839 | - | 175-2839 | Fuel - FWS | 1 | 176-5618 | - | - |
| Air Primary | 1 | 165-1689 | - | 220-0455 | Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Air Primary - UHE | 1 | 132-7166 | - | 132-7166 | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 | Hydraulic | 1 | 4T-3134 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - | Hydraulic | 1 | 9J-5461 | - | - |
| | | | | | Hydraulic - ADV | 2 | 1R-0773 | 1R-0773 | 132-8875 |
| | | | | | Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

Track-Type Tractors

D9R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 2 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 2 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 139-1536 | - | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| RMW1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| WDM1-2999 | | | | |
| Air Primary - UHE | 1 | 132-7166 | - | 132-7166 |
| WDM1-3701 | | | | |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 2 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 2 | 139-1537 | - | 139-1537 |
| WDM1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 7T-1890 | - | - |
| Air - Cab UHE | 1 | 175-2839 | - | 175-2839 |
| Air - Cab UHE | 1 | 175-2832 | - | 175-2832 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Fuel | 1 | 4Q-5296 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Group | 1 | 1Q-3363 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| WDM1933-UP | | | | |
| Transmission | 1 | 343-4464 | - | - |
| WDM3000-UP | | | | |
| Air - Cab | 1 | 282-5339 | - | - |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| WDM3702-UP | | | | |
| Hydraulic | 1 | 249-2337 | - | - |

D9T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| R4L1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |

Track-Type Tractors

D9T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|------------------------|----------|-------------|----------|-----------------------|
| RDP1-UP(Engine) | | | | | Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - | Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 | Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| REX1-UP | | | | | Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Air - Cab | 1 | 346-8243 | - | - | RJS1291-UP | | | | |
| Air - Cab | 1 | 326-7963 | - | - | Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| Air Primary | 1 | 231-0167 | - | - | TWG1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 | Air - Cab | 1 | 326-7963 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - | Air - Cab | 1 | 346-8243 | - | - |
| Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 | Air Primary | 1 | 231-0167 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 | Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Transmission | 1 | 337-5270 | - | - | Air Secondary | 1 | 106-3973 | - | - |
| RHX1-UP(Engine) | | | | | Hydraulic - ADV | 1 | 1R-0774 | 1R-0774 | 139-1536 |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 | Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| RJS1-1262 | | | | | Transmission | 1 | 337-5270 | - | - |
| Air | 1 | 238-0479 | - | - | TXH1-UP(Engine) | | | | |
| Air | 1 | 268-6705 | - | - | Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Air - Cab | 1 | 319-7944 | - | - | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Air - Cab | 1 | 265-3857 | - | - | TXW1-UP(Engine) | | | | |
| RJS1-UP | | | | | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Air - Cab | 1 | 326-7963 | - | - | Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Air - Cab | 1 | 209-8217 | - | - | Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| Air Primary | 1 | 231-0167 | - | - | | | | | |
| Air Primary | 1 | 123-6855 | - | 132-7169 | | | | | |
| Air Secondary | 1 | 123-6856 | - | - | | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - | | | | | |

D10N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Track-Type Tractors

D10N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2YD1-2415 | | | | |
| Hydraulic | 1 | 9W-2932 | - | - |
| 2YD1-UP | | | | |
| Air Primary | 1 | 7W-9853 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 7W-9567 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 147-0178 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2YD1294-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 2YD944-UP | | | | |
| Hydraulic | 2 | 4T-0522 | - | - |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| 3BC1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 3SK1-618 | | | | |
| Air Primary | 1 | 7W-9853 | - | - |
| Air Secondary | 1 | 7W-9567 | - | - |
| 3SK1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 7T-1890 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 147-0178 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 2 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 2 | 139-1537 | - | 139-1537 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3SK619-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| 5JJ1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 73W1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| 73W8338-9745(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 73W9746-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 80M5482-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9EA1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| EHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

Track-Type Tractors

D10R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3KR1-703 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 3KR1-UP | | | | |
| Air - Cab | 1 | 7T-1890 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab Recirculation | 1 | 154-7108 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 147-0178 | - | - |
| Fuel | 1 | 4Q-5296 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Group | 1 | 1Q-3363 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3KR1463-UP | | | | |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| 3KR620-UP | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 5JJ1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 80M1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| 9EA1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| AKT1-UP | | | | |
| Air - Cab | 1 | 7T-1890 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Recirculation | 1 | 154-7108 | - | - |
| Air - Cab UHE | 1 | 175-2839 | - | 175-2839 |
| Air - Cab UHE | 1 | 175-2832 | - | 175-2832 |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 4Q-5296 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Group | 1 | 1Q-3363 | - | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 155-6061 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

Track-Type Tractors

D10R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| EHX1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

D10T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| EHX1-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| RJG1-1839 | | | | |
| Air | 1 | 238-0479 | - | - |
| RJG1-3999 | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| RJG1-UP | | | | |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air - Cab | 1 | 319-7944 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 243-3758 | - | - |
| Filter-Oil | 1 | 377-2873 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 249-2337 | - | - |
| Hydraulic - FR | 2 | 104-6931 | - | - |
| Hydraulic - UHE | 2 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| RJG1881-3087 | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| RJG3088-UP | | | | |
| Transmission | 1 | 337-5270 | - | - |

D11N

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Track-Type Tractors

D11N (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2GR1-2632(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 2GR1-UP(Engine) | | | | |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2GR2633-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 4HK1-561 | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| 4HK1-UP | | | | |
| Air - Cab | 1 | 7T-7358 | - | - |
| Air - Cab | 1 | 7T-1890 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 2 | 9P-0856 | - | - |
| 4HK562-UP | | | | |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| Air Secondary | 1 | 123-6856 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 74Z1-1102 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 74Z1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 2 | 9P-0856 | - | - |
| 74Z296-471 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 7YG1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 7YG2201-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 99W1-1004(Engine) | | | | |
| Fuel | 2 | 8N-3080 | - | - |
| 99W1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 99W1854-UP(Engine) | | | | |
| Fuel Secondary - ADV | 2 | 1R-0755 | 1R-0755 | 422-7587 |

D11R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 2GR1-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2GR2633-UP(Engine) | | | | |

Track-Type Tractors

D11R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 2GR4243-UP(Engine) | | | | |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| 7PZ1-681 | | | | |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| 7PZ1-717 | | | | |
| Air - Cab UHE | 1 | 175-2832 | - | 175-2832 |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |
| Air - Cab UHE | 1 | 175-2839 | - | 175-2839 |
| 7PZ1-UP | | | | |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 7T-1890 | - | - |
| Air - Cab Recirculation | 1 | 154-7108 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 123-6856 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 155-6061 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7YG1691-2200(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 7YG1691-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 7YG2201-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 8ZR1-471 | | | | |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| Air Secondary | 1 | 123-6856 | - | - |
| 8ZR1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 7T-1890 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 9TR1-UP | | | | |
| Air - Cab | 1 | 7T-1890 | - | - |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab Recirculation | 1 | 154-7108 | - | - |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| Air Secondary | 1 | 123-6856 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 9XR1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 7T-1890 | - | - |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| Air Secondary | 1 | 123-6856 | - | - |
| Hydraulic | 1 | 155-6061 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| AAF1-202 | | | | |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| Air Secondary | 1 | 123-6856 | - | - |
| AAF1-206 | | | | |
| Air - Cab UHE | 1 | 175-2832 | - | 175-2832 |
| Air - Cab UHE | 1 | 175-2841 | - | 175-2841 |

Track-Type Tractors

D11R (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab UHE | 1 | 175-2839 | - | 175-2839 |
| AAF1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 7T-1890 | - | - |
| Air - Cab | 1 | 231-3781 | - | - |
| Air - Cab Recirculation | 1 | 154-7108 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 155-6061 | - | - |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| C8T145-UP(Engine) | | | | |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| LJW2118-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

D11T

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| AMA1-UP | | | | |
| Air - Cab | 1 | 346-8243 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 2 | 243-3758 | - | - |
| Filter-Oil | 1 | 377-2873 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Hydraulic | 2 | 249-2337 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 126-1815 | - | 126-1815 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Transmission - ADV | 1 | 344-0004 | 344-0004 | - |
| GEB1-386 | | | | |
| Air - Cab | 1 | 319-7944 | - | - |
| GEB1-UP | | | | |
| Air | 1 | 238-0479 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 2 | 243-3758 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter-Oil | 1 | 377-2873 | - | - |

Track-Type Tractors

D11T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 2 | 249-2337 | - | - |
| Hydraulic - ADV | 1 | 130-3212 | 130-3212 | 126-1814 |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| GEB608-UP | | | | |
| Transmission | 2 | 343-4465 | - | - |
| JEL1-UP | | | | |
| Air - Cab | 1 | 346-8243 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 2 | 243-3758 | - | - |
| Filter-Oil | 1 | 377-2873 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Hydraulic | 2 | 249-2337 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 126-1815 | - | 126-1815 |
| Transmission - ADV | 1 | 344-0004 | 344-0004 | - |
| JNS1-UP | | | | |
| Air - Cab | 1 | 346-8243 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 2 | 243-3758 | - | - |
| Filter-Oil | 1 | 377-2873 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Hydraulic | 2 | 249-2337 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 126-1815 | - | 126-1815 |
| Transmission - ADV | 1 | 344-0004 | 344-0004 | - |
| LJW2745-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| MDG1-UP | | | | |
| Air - Cab | 1 | 346-8243 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 2 | 243-3758 | - | - |
| Filter-Oil | 1 | 377-2873 | - | - |
| Fuel - FWS ADV | 1 | 438-5385 | 438-5385 | 438-5386 |
| Hydraulic | 2 | 249-2337 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 126-1815 | - | 126-1815 |
| Transmission - ADV | 1 | 344-0004 | 344-0004 | - |
| TPB1-183 | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| TPB1-UP | | | | |
| Air | 1 | 238-0479 | - | - |
| Air - Cab | 1 | 319-7944 | - | - |
| Air - Cab | 1 | 326-7963 | - | - |
| Air - Cab | 1 | 209-8217 | - | - |
| Air Primary | 1 | 231-0167 | - | - |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 2 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 2 | 243-3758 | - | - |

Track-Type Tractors

D11T (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Filter-Oil | 1 | 377-2873 | - | - |
| Hydraulic | 2 | 249-2337 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0777 | 1R-0777 | 139-1537 |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| TPB184-UP | | | | |
| Transmission | 2 | 343-4465 | - | - |
| WHH1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter-Fuel | 2 | 422-7587 | - | 422-7587 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| WZH1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

DEUCE

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4CW1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7RR1-40 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 7RR1-UP | | | | |
| Air - Cab | 1 | 8C-4120 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Filter - Recirc Air | 2 | 153-8007 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 7RR41-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |

30-30

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 4CW222-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 9XW1-UP | | | | |

Track-Type Tractors

30-30 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 8C-4120 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Filter - Re-circ Air | 2 | 153-8007 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Wheel Dozers

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmission

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Power Shift Transmission | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 {1} | 0 | 35 | 32 | 95 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -15 | 43 | 5 | 110 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|-----------------------|-----------------|-------------|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Drive Axles for Small and Medium Wheel Dozers (814, 824) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -25 | 15 | -4 | 59 |
| | | SAE 30 {2} | -20 | 43 | -4 | 110 |
| | | SAE 50 {1} | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -25 | 43 | -13 | 110 |
| Drive Axles for Large Wheel Dozers (834-854) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | -10 | -40 | 14 |
| | Cat TDTO | SAE 10W | -25 | 0 | -4 | 32 |
| | | SAE 30 | -20 | 20 | -4 | 68 |
| | | SAE 50 {3} | -10 | 50 | 14 | 122 |
| | | Cat TDTO TMS | Multi-grade | -25 | 22 | -13 |
| {1} Factory Fill for Small Wheel Dozers (814) | | | | | | |
| {2} Factory Fill for Medium Wheel Dozers (824) | | | | | | |
| {3} Factory Fill for Large Wheel Dozers (834-854) | | | | | | |

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|---|--|---------------------------|-----|-----|-----|----------------|-------------------------------------|
| | | | °C | | °F | | | |
| | | | Min | Max | Min | Max | | |
| Articulation Bearings, Drive Shaft Spline, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Lift Cylinder Yoke Bearing, Steering Shaft, Tilt Cylinder Bearing | High | Heavy dozing, compacting heavy material. Heavy landfill work. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | Extreme Application Grease |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| | Medium | Production dozing, most push-loading, shovel cleanup, normal compaction. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| Low | Considerable idling or travel with no load. | -20 | 40 | -4 | 104 | 2 | Utility Grease | |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

Wheel Dozers

814B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 08Z25425-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 08Z3945-25424(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 08Z3945-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 16Z1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 9J-5461 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 16Z256-UP | | | | |
| Power Train | 1 | 6P-4603 | - | - |
| 16Z275-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 16Z307-UP | | | | |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| 36S1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

814F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3PD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9DM1-UP | | | | |

814F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| BGF1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

824C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 11N1-6369(Engine) | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V14495-UP(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 70V14539-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V16376-UP(Engine) | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 70V27199-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 85X1-1583 | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |

Wheel Dozers

824C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 85X1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 85X1045-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 85X1176-UP | | | | |
| Hydraulic | 2 | 9J-5461 | - | - |
| 85X1194-UP | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 85X1584-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 85X564-836 | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 85X564-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| BKN1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| LHX15363-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG2726-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

824G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 41Z212-2418(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 4SN1-320 | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

824G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 4SN1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4SN321-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| TXC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

824G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| AWW1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| BKN1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

824H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Wheel Dozers

824H (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| ASX1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| ASX408-UP | | | | |
| Transmission | 1 | 343-4465 | - | - |
| LHX1-17628(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 457-1527 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 457-1527 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

834B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 48W15340-26423(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 48W18589-UP(Engine) | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 48W9818-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7BR1-583 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 7BR1-UP | | | | |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |
| Air - Cab Recirculation | 2 | 6P-1319 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 2 | 147-0178 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 2 | 129-8357 | - | - |

834B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 92Z1-328 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 92Z1-378 | | | | |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| 92Z1-UP | | | | |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |
| Air - Cab Recirculation | 2 | 6P-1319 | - | - |
| Coolant | 1 | 435-5142 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

834G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 6GZ1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic | 2 | 183-6194 | - | - |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7RC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BNT1-10128(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| BNT1-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BNT10129-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| BPC1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Engine Oil - ADV | 1 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |

Wheel Dozers

834G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 2 | 183-6194 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

834H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| BTX1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic | 2 | 183-6194 | - | - |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Precleaner | 1 | 258-6614 | - | - |
| BTX1000-UP | | | | |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Transmission | 1 | 337-5270 | - | - |
| BTX208-999 | | | | |
| Hydraulic | 1 | 126-1816 | - | 126-1816 |
| RHX1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXH1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| XDC1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic | 1 | 126-1816 | - | 126-1816 |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

844

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| 2KZ1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - UHE | 2 | 139-1534 | - | - |
| 5JJ251-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5JJ3099-4369(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 80M861-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BBN1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

844H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| BTW1-205 | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| BTW1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Precleaner Ar-Cab Air | 1 | 258-0959 | - | - |
| BTW206-UP | | | | |
| Transmission | 2 | 343-4465 | - | - |
| BTW256-UP | | | | |
| Filter | 1 | 396-9124 | - | - |
| EHX1-2699(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| EHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

Wheel Dozers

844H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

854G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 1JW1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Engine Oil | 1 | 115-2129 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 1JW238-UP | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2GR1-2632(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 2GR1-UP(Engine) | | | | |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| Air Secondary | 1 | 123-6856 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2GR2633-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| A4W1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 149-1912 | - | 220-8800 |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 2 | 246-5009 | - | - |
| Air Primary | 2 | 123-6855 | - | 132-7169 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 2 | 123-6856 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 115-2129 | - | - |
| Engine Oil - ADV | 1 | 275-2604 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| AMP1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air Primary | 2 | 123-6855 | - | 132-7169 |
| Air Secondary | 2 | 123-6856 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |

854G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel | 1 | 222-6713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AMP274-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 183-6194 | - | - |
| C8T152-UP(Engine) | | | | |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| Air Secondary | 1 | 123-6856 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

854K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 2211-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air - Cab | 2 | 175-2840 | - | 175-2840 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| FILTER AS-HYD | 1 | 465-8903 | - | 465-8903 |
| Filter | 1 | 396-9124 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Precleaner Ar-Cab Air | 1 | 258-0959 | - | - |
| Transmission | 1 | 343-4465 | - | - |
| H8M1-UP | | | | |
| Air - Cab | 2 | 107-0266 | - | - |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Secondary | 1 | 333-1189 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| FILTER AS-HYD | 1 | 465-8903 | - | 465-8903 |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Hydraulic UHE | 1 | 295-6257 | - | 295-6257 |
| Transmission - ADV | 1 | 344-0004 | 344-0004 | - |
| H8M308-UP | | | | |
| Filter | 1 | 396-9124 | - | - |
| H9K1-UP | | | | |

Wheel Dozers

854K (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 107-0266 | - | - |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Secondary | 1 | 333-1189 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| FILTER AS-HYD | 1 | 465-8903 | - | 465-8903 |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Hydraulic UHE | 1 | 295-6257 | - | 295-6257 |
| Transmission - ADV | 1 | 344-0004 | 344-0004 | - |
| H9K339-UP | | | | |
| Filter | 1 | 396-9124 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| LJW1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| MHM1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter-Fuel | 2 | 422-7587 | - | 422-7587 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| MZM1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Wheel Loaders

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmission

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---------------------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Power Shift Transmission | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 {1} | 0 | 35 | 32 | 95 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -15 | 43 | 5 | 110 |
| | Cat SATO | Multi-grade {2} | -20 | 35 | -4 | 95 |
| Advance Powertrain Transmission (APT) | Cat SATO | Multi-grade {1} | -30 | 50 | -22 | 122 |
| | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 20 | -40 | 68 |
| | Cat TDTO TMS | Multi-grade | -20 | 50 | -4 | 122 |

Wheel Loaders

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Final Drive, Differential, and Transfer Drive for 902, 906, and 908 Compact Wheel Loaders | Cat TDTO | SAE 30 {1} | -20 | 43 | -4 | 110 |
| Final Drive, Differential, and Transfer Drive for 904 Compact Wheel Loaders | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| Final Drive, Differential, and Transfer Drive for 910-914 (except for 914G2) Compact Wheel Loaders | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -25 | 15 | -4 | 59 |
| | | SAE 30 {1} | -20 | 43 | -4 | 110 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -30 | 43 | -22 | 110 |
| Drive Axles for 914G2 Compact Wheel Loaders | Cat MTO | Multi-grade | -40 | 40 | -40 | 104 |
| Drive Axles for Small Wheel Loaders (924-938, except 938K) and Medium Wheel Loaders (950-980), IT12-IT62 Machines, Small and Medium Wheel Dozers (814, 824), Medium Compactors (815-826) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -25 | 15 | -4 | 59 |
| | | SAE 30 {1} | -20 | 43 | -4 | 110 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -25 | 40 | -13 | 104 |
| Drive Axles for 938K | Cat MTO | Multi-grade | -25 | 40 | -13 | 104 |
| Drive Axles for Large Wheel Loaders (988-994), Large Wheel Dozers (834-854), and Large Compactors (836) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | -10 | -40 | 14 |
| | Cat TDTO | SAE 10W | -25 | 0 | -4 | 32 |
| | | SAE 30 | -20 | 20 | -4 | 68 |
| | | SAE 50 {1} | -10 | 50 | 14 | 122 |
| | Cat TDTO TMS | Multi-grade | -25 | 22 | -13 | 72 |
| Drive Axles for 994 Wheel Loader | Cat TDTO | SAE 10W | -25 | 0 | -4 | 32 |
| | | SAE 30 | -20 | 20 | -4 | 68 |
| | | SAE 50 {1} | -10 | 43 | 14 | 110 |
| | Cat TDTO TMS | Multi-grade | -25 | 22 | -13 | 72 |

{1} Factory Fill Fluid

Oils - Brakes

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Brakes on Standard Drive on Compactor Wheel Loader (906, 907, 908) | Cat HYDO Advanced 10 | SAE 10W | -20 | 40 | -4 | 104 |

Wheel Loaders

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|--|--|---|---|-----|-----|-----|--------------------------|-------------------------------------|
| | | | ° C | | ° F | | | |
| | | | Min | Max | Min | Max | | |
| Articulation Bearings, Axle Oscillation Bearings, Bucket Pivot Bearings, Drive Shaft Spline, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Frame Pivot Bearings, Steering Cylinder Bearings, Steering Shaft, Wheel Brake Camshafts | High | Continuous and aggressive tight truck loading, hard bank excavation, and shot rock loading from a face. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| Medium | Maximum productivity in aggregate truck loading and hopper charging. Assumes the normal tramming and load and carry associated with the high productivity stockpile load-out and batch plant applications. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease | |
| | | Low | Light utility, construction, low production aggregate truck loading, and most logging applications where there is considerable idling, empty traveling, and load and carry. | -20 | 40 | -4 | 104 | 2 |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

G916

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 45V42589-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5GD1-45 | | | | |
| Air Primary | 1 | 8N-5389 | - | - |
| 5GD1-UP | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| 5GD46-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |

G936

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

G936 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 07Z15006-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 12Z15981-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 3HD1-UP | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |
| Hydraulic | 1 | 2P-5834 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4ND1-UP | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |

902

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 3TW1-UP(Engine) | | | | |
| Engine Oil | 1 | 150-4140 | - | - |
| 7ES1-UP | | | | |
| Air - Cab Recirculation | 1 | 151-0914 | - | - |
| Air - Cab Recirculation | 1 | 120-7448 | - | - |
| Air Primary | 1 | 134-8726 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 140-2334 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

904B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| B4L1-UP | | | | |
| Air - Cab | 1 | 269-8437 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 236-5081 | - | - |
| Air Primary | 1 | 134-8726 | - | - |

Wheel Loaders

904B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 140-2334 | - | - |
| Engine Oil | 1 | 263-5728 | - | - |
| Engine Oil | 1 | 120-0664 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |

904H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| H4T1-UP | | | | |
| Air - Cab | 1 | 231-8132 | - | - |
| Air - HVAC | 1 | 338-5470 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Engine Oil | 1 | 120-0664 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 263-5728 | - | - |
| Fuel - FWS | 1 | 144-9962 | - | - |
| Fuel Primary | 1 | 156-1200 | - | - |
| Hydraulic | 1 | 5I-8670 | - | - |

906

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3NW1-UP(Engine) | | | | |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 3NW30383-UP(Engine) | | | | |
| Fuel - FWS | 1 | 223-0702 | - | - |
| 6ZS1-UP | | | | |
| Air - Cab Recirculation | 1 | 120-7448 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 151-0914 | - | - |
| Air Primary | 1 | 134-8726 | - | - |
| Air Secondary | 1 | 140-2334 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

906 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| MER1-UP | | | | |
| Air - Cab Recirculation | 1 | 120-7448 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 151-0914 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

906H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| SDH1-UP | | | | |
| Air - Cab | 1 | 313-2458 | - | - |
| Air - Cab | 1 | 270-9018 | - | - |
| Air Primary | 1 | 110-6326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| TPE1-UP | | | | |
| Air - Cab | 1 | 270-9018 | - | - |
| Air - Cab | 1 | 313-2458 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

907H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Wheel Loaders

907H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| MJF1-UP | | | | |
| Air - Cab | 1 | 313-2458 | - | - |
| Air - Cab | 1 | 270-9018 | - | - |
| Air Primary | 1 | 110-6326 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| SJM1-UP | | | | |
| Air - Cab | 1 | 270-9018 | - | - |
| Air - Cab | 1 | 313-2458 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

908

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 5HK1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 8BS1-UP | | | | |
| Air - Cab Recirculation | 1 | 151-0914 | - | - |
| Air - Cab Recirculation | 1 | 120-7448 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel - FWS | 1 | 138-3100 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CJS1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS37727-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| TAR1-UP | | | | |
| Air - Cab Recirculation | 1 | 120-7448 | - | - |
| Air - Cab Recirculation | 1 | 151-0914 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |

908 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 233-9856 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

908H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| CJS1-UP(Engine) | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Engine Oil | 1 | 1R-0734 | - | - |
| CJS37727-UP(Engine) | | | | |
| Engine Oil | 1 | 267-2528 | - | - |
| CYM1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0734 | - | - |
| Engine Oil | 1 | 267-2528 | - | - |
| LMD1-1396 | | | | |
| Fuel - FWS | 1 | 233-9856 | - | - |
| LMD1-UP | | | | |
| Air - Cab | 1 | 270-9018 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 313-2458 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MXF1-UP | | | | |
| Air - Cab | 1 | 270-9018 | - | - |
| Air - Cab | 1 | 313-2458 | - | - |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 233-9856 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

914G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5HK11200-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7BJ1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel | 1 | 138-3096 | - | - |
| Fuel Secondary | 1 | 159-6102 | - | - |
| 7ZM1-439 | | | | |
| Air Primary | 1 | 4I-7575 | - | - |

Wheel Loaders

914G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 122-4550 | - | - |
| 7ZM1-UP | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 7ZM225-653 | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |
| 7ZM440-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| 7ZM654-UP | | | | |
| Fuel - FWS | 1 | 163-4465 | - | - |
| 9WM1-1012 | | | | |
| Air Primary | 1 | 4I-7575 | - | - |
| Air Secondary | 1 | 122-4550 | - | - |
| 9WM1-1879 | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| 9WM1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 9WM1013-UP | | | | |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| 9WM1500-UP | | | | |
| Fuel - FWS | 1 | 163-4465 | - | - |
| 9WM1880-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| 9WM363-1499 | | | | |
| Fuel - FWS | 1 | 131-1812 | - | - |
| CRS1-UP(Engine) | | | | |
| Engine Oil | 1 | 7W-2326 | - | - |
| Fuel - FWS | 1 | 1R-1804 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| PDF1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 110-6326 | - | - |
| Air Secondary | 1 | 110-6331 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - FWS | 1 | 228-9130 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

916

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 2XB1-1228 | | | | |
| Air Primary | 1 | 8N-5389 | - | - |
| 2XB1-UP | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| 2XB1229-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 7W-5389 | - | - |
| 2XB1320-UP | | | | |
| Hydraulic | 1 | 4T-3134 | - | - |
| 45V42589-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9WB1-1228 | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |

916 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 9WB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 9WB1333-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 8N-4901 | - | - |
| 9WB1767-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |

918F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2CK1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2FG1500-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2FG4905-UP(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 3TJ1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 97Z152-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Wheel Loaders

924F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 2FG3960-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |
| Fuel | 1 | 6I-2693 | - | - |
| 2FG6235-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4RR1-UP(Engine) | | | | |
| Engine Oil | 1 | 7C-0896 | - | - |
| Engine Oil | 1 | 1R-0714 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4RR690-UP(Engine) | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4YN1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4YN1463-UP | | | | |
| Engine Oil | 1 | 1W-8845 | - | - |
| 4YN1534-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 5NN1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6MN1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 97Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 97Z1450-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Engine Oil | 1 | 7C-0896 | - | - |
| Fuel | 1 | 6I-2693 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 97Z3228-UP(Engine) | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |

924F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 97Z5313-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 151-2409 | - | - |

924G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 3PZ1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel | 1 | 214-0723 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 8XJ1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |
| 9SW1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel | 1 | 214-0723 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AAN1-674 | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| AAN1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 163-4465 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AAN1035-UP | | | | |
| Fuel | 1 | 214-0723 | - | - |
| AAN675-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| CPT1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| DDA1-2118 | | | | |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| DDA1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| DDA2119-UP | | | | |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| EEB1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |

Wheel Loaders

924G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 234-7967 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| RBB1-1048 | | | | |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| RBB1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission | 1 | 341-6643 | - | - |
| RBB832-UP | | | | |
| Air Primary | 1 | 222-9020 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 222-9021 | - | - |
| WMB1-830 | | | | |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| WMB1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| WMB831-UP | | | | |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |

924GZ

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 3DZ1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel | 1 | 214-0723 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6YW1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel | 1 | 214-0723 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 8XJ1-UP(Engine) | | | | |
| Fuel Secondary | 1 | 145-4501 | - | - |
| AAB1-319 | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |

924GZ (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| AAB1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel - FWS | 1 | 163-4465 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AAB320-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| AAB451-UP | | | | |
| Fuel | 1 | 214-0723 | - | - |
| CPT1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| DFZ1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 152-7217 | - | - |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| RTA1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission | 1 | 341-6643 | - | - |
| RTA391-UP | | | | |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| WX1-801 | | | | |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| WX1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| WX802-UP | | | | |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |

924H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |

Wheel Loaders

924H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| HXC1-2031 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| HXC1-733 | | | | |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| HXC1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| HXC2032-UP | | | | |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| HXC2366-UP | | | | |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| HXC734-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| JTM1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JTM684-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| KLN1-789 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| KLN1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Filter | 1 | 240-6576 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| KLN790-UP | | | | |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| LKW1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| RRS1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |

924HZ

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| JRL1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| JZZ1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| JZZ286-UP | | | | |
| Fuel | 1 | 346-0523 | - | - |
| PED1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| PED429-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| WLB1-791 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| WLB1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| WLB792-UP | | | | |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |

926

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Wheel Loaders

926 (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 45V39562-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0714 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4NB1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 4NB1026-1605 | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |
| 4NB1841-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 8N-4901 | - | - |
| 4NB3029-UP | | | | |
| Hydraulic | 1 | 9J-5461 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 94Z1-1820 | | | | |
| Air Primary | 1 | 8N-5389 | - | - |
| 94Z1-UP | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |
| Air Secondary | 1 | 8N-4901 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| 94Z1821-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| 94Z2051-UP | | | | |
| Hydraulic | 1 | 4T-3134 | - | - |

928F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 2XL1-1756 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2XL1-578 | | | | |
| Hydraulic | 1 | 4T-3134 | - | - |
| 2XL1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 4TF14750-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF8700-14749(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4TF8700-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 6RR177-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6RR658-UP(Engine) | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 8AK1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |

Wheel Loaders

928F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 4T-3134 | - | - |
| Hydraulic | 1 | 9J-5461 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 8AK495-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 98Z15832-UP(Engine) | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 98Z4533-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z820-4532(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z820-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

928G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4TF25000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 6RR1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6XR1-UP | | | | |
| Air | 1 | 104-9481 | - | - |
| Air - Cab | 1 | 133-7488 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2500 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6XR1543-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 6XR886-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 7SR1-1380 | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| 7SR1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

Wheel Loaders

928G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 7SR1381-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| 98Z1-30381(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 98Z25108-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| CPT1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| DJD1-1951 | | | | |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| DJD1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| DJD1952-UP | | | | |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| WLG1-740 | | | | |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| WLG1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| WLG741-UP | | | | |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |

928H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| RSB1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |

928H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Engine Oil ADV | 2 | 462-1171 | 462-1171 | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission | 1 | 341-6643 | - | - |

928HZ

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| BYD1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BYD296-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| CXK1-1236 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| CXK1-388 | | | | |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| CXK1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| CXK1237-UP | | | | |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| CXK1415-UP | | | | |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| CXK389-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |

Wheel Loaders

930G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| CPT1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| TFW1-153 | | | | |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| TFW1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Fuel Secondary | 1 | 145-4501 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| TFW154-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| TWR1-786 | | | | |
| Air Primary | 1 | 152-7217 | - | - |
| Air Secondary | 1 | 152-7219 | - | - |
| TWR1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Fuel - FWS | 1 | 131-1812 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| TWR787-UP | | | | |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |

930H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| DHC1-2235 | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| DHC1-559 | | | | |
| Fuel - FWS | 1 | 308-7298 | - | - |
| DHC1-599 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| DHC1-UP | | | | |
| Air - Cab | 1 | 282-5340 | - | 282-5340 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |

930H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission | 1 | 341-6643 | - | - |
| DHC2236-UP | | | | |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| DHC2695-UP | | | | |
| Fuel | 1 | 346-0523 | - | - |
| FTD1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 222-9020 | - | - |
| Air Secondary | 1 | 222-9021 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| FTD828-UP | | | | |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |

930R

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 4YD1-UP(Engine) | | | | |
| Fuel | 1 | 2Y-8670 | - | - |
| 4YD1222-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 57Z1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| Hydraulic | 1 | 3G-4621 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| 57Z4000-UP | | | | |
| Air Secondary | 1 | 8N-4901 | - | - |
| 57Z972-3999 | | | | |
| Air Secondary | 1 | 2S-1285 | - | - |
| 57Z972-UP | | | | |
| Air | 1 | 4M-8047 | - | - |

936

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Wheel Loaders

936 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 07Z8555-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 12Z6181-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 33Z1-UP | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |
| Hydraulic | 1 | 2P-5834 | - | - |
| 45Z1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| 45Z1360-2340 | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |

936E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 07Z8555-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 12Z6181-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 33Z1-UP | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |
| Hydraulic | 1 | 2P-5834 | - | - |
| 45Z1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic | 1 | 2P-5834 | - | - |
| 45Z1360-2340 | | | | |
| Air - Cab | 1 | 7T-1889 | - | 175-2836 |

936F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 07Z27900-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4TK1-168 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 4TK1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 8AJ1-429 | | | | |

936F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 8AJ1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |

938F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1KM1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 1KM1800-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 2RM1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 2RM1124-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4TF14130-28599(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF14130-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 4TF28600-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 4TF32198-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 7SN1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 7SN385-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |

Wheel Loaders

938F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 98Z17000-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 98Z5104-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

938G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4YS1-511 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4YS1-UP | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4YS512-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |
| 55K1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 6JK1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 6WS1-682 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 6WS1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 9HS1-280 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 9HS1-743 | | | | |
| Air - Cab | 2 | 113-0305 | - | 196-3161 |
| 9HS1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 9HS281-UP | | | | |
| Fuel - FWS | 1 | 151-2409 | - | - |

938G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 9HS744-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |

938G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5GG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| CRD1-946 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| CRD1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| CRD947-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Transmission | 1 | 341-6643 | - | - |
| PHN1-995 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| PHN1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| RTB1-840 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| RTB1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Wheel Loaders

938H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - FWS | 1 | 308-7298 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| C6E5531-26354(Engine) | | | | |
| Fuel Primary | 1 | 322-9532 | - | - |
| G9G1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel | 1 | 346-0523 | - | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Fuel Primary | 1 | 322-9532 | - | - |
| JKM1-920 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JKM1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| JKM1062-UP | | | | |
| Fuel | 1 | 346-0523 | - | - |
| JKM605-1061 | | | | |
| Fuel | 1 | 311-1110 | - | - |
| JKM605-UP | | | | |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| JKM921-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Transmission | 1 | 341-6643 | - | - |
| LKM1-1007 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| LKM1-UP | | | | |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air - Cab | 1 | 111-8738 | - | - |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| LKM1008-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |
| MJC1-745 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| MJC1-UP | | | | |
| Air - Cab | 1 | 111-8738 | - | - |
| Air - Cab | 1 | 180-7487 | - | 282-5340 |
| Air Primary | 1 | 256-7902 | - | - |
| Air Secondary | 1 | 256-7903 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| MJC746-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |

950B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| 07Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 07Z1375-8941(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 07Z8555-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 09Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 12Z607-11536(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 12Z6186-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 22Z1-5259 | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 22Z1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 22Z4827-UP | | | | |
| Hydraulic | 2 | 9J-5461 | - | - |
| 22Z5260-UP | | | | |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| 22Z812-5407 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 31R1-UP | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 63R1-9191 | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 63R1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 63R5858-UP | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 63R6055-UP | | | | |
| Hydraulic | 2 | 9J-5461 | - | - |
| 63R9192-UP | | | | |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| 65R1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| H4G1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Wheel Loaders

950E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| 07Z1375-8941(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 07Z8555-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 12Z607-11536(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 12Z6186-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 22Z1-5259 | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 22Z1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| 22Z4827-UP | | | | |
| Hydraulic | 2 | 9J-5461 | - | - |
| 22Z5260-UP | | | | |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 22Z812-5407 | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 63R1-9191 | | | | |
| Hydraulic | 1 | 2P-5834 | - | - |
| 63R5858-UP | | | | |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 63R6055-UP | | | | |
| Hydraulic | 2 | 9J-5461 | - | - |
| 63R9192-UP | | | | |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |

950F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4TF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 4TF9464-12142(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 4TF986-5321(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 6YG1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |
| Air - Cab Recirculation | 1 | 2V-0036 | - | 175-2837 |

950F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic | 2 | 9J-5461 | - | - |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Power Train | 1 | 6P-4603 | - | - |
| 7ZF1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic | 2 | 9J-5461 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 98Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

950F II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 2LM1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| 2LM188-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4TF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Wheel Loaders

950F II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF9464-12142(Engine) | | | | |
| Fuel | 1 | 6I-2693 | - | - |
| 5SK1-1347 | | | | |
| Hydraulic | 1 | 4T-3134 | - | - |
| 5SK1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| 5SK1990-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 8TK1-815 | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 8TK1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| 8TK3231-UP | | | | |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| 8TK4188-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 98Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

950G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 2JS1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |

Wheel Loaders

950G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 2JS941-UP | | | | |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| 3JW1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4BS1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 55K1-757(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 55K1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 55K2081-3412(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 55K5146-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 55K758-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 5FW1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6JK1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 8JW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Wheel Loaders

950G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5GG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| AXR1-289 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| AXR1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AXX1-761 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| AXX1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AYB1-792 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| AYB1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Secondary | 1 | 6I-2504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 201-0217 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 200-2672 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AYL1-482 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| AYL1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 200-2672 | - | - |
| Hydraulic | 1 | 201-0217 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BAA1-749 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| BAA1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

950G II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| TX61-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

950H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C7C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| JAD1-187 | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| JAD1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 225-4118 | - | - |
| JLX1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 245-6376 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |
| K5K1-1 | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| K5K1-2901 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| K5K1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| K5K2902-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

Wheel Loaders

950H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| M1G1-1909 | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| M1G1-1948 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| M1G1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| M1G1949-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |
| MXL1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| N1A1-4011 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| N1A1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| N1A4012-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |

960F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1YM1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| 4CL1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |

960F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| 4CL329-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 4TF10150-13336(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4TF10150-31504(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 4TF10150-UP(Engine) | | | | |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 4TF31505-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 4TF32565-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z12353-UP(Engine) | | | | |
| Engine Oil | 1 | 1W-8845 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 98Z1750-17223(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z1750-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 98Z21190-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 9ZJ1-306 | | | | |
| Hydraulic | 1 | 4T-3134 | - | - |
| 9ZJ1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Engine Oil | 1 | 1W-8845 | - | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| Hydraulic - Cartridge | 2 | 1R-0722 | 1R-0774 | 139-1536 |

962G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 3BS1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |

Wheel Loaders

962G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 4PW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 55K1-456(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 55K1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 55K1620-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 55K2284-UP(Engine) | | | | |
| Engine Oil | 1 | 1W-8845 | - | - |
| 55K457-757(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 55K758-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 5AS1-217 | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 5AS1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 5AS218-UP | | | | |
| Hydraulic | 1 | 134-3016 | - | - |
| 6EW1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6JK1-UP(Engine) | | | | |
| Engine Oil | 1 | 1W-8845 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0753 | 1R-0753 | - |
| 7BW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BDP1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary - UHE | 1 | 128-2686 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

962G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 5GG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| AXS1-372 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| AXS1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AXY1-317 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| AXY1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AYE1-585 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| AYE1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Secondary | 1 | 6I-2504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 200-2672 | - | - |
| Hydraulic | 1 | 201-0217 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BAB1-524 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| BAB1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary - UHE | 1 | 156-9328 | - | - |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic | 1 | 201-0217 | - | - |
| Hydraulic | 1 | 200-2672 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BAD1-327 | | | | |
| Hydraulic | 1 | 197-1993 | - | - |
| BAD1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary - UHE | 1 | 132-7165 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BMA1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Wheel Loaders

962G II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| TX61-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

962H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C7C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| K6K1-468 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| K6K1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| K6K469-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| M3G1-468 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| M3G1-553 | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| M3G1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| M3G582-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |
| MAL1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| N4A1-1273 | | | | |

962H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| N4A1-2003 | | | | |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| N4A1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| N4A2004-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |
| PCW1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| SSA1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission | 1 | 341-6643 | - | - |

966C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 03N97021-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 18B1-UP | | | | |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 18B200-UP | | | | |
| Air Primary | 1 | 4M-9334 | - | - |
| Air Secondary | 1 | 1C-6395 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 47V15899-16711(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 49V9319-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 76J1-UP | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 8TD1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8TD1317-UP(Engine) | | | | |
| Fuel | 1 | 2Y-8670 | - | - |
| 8TD961-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

Wheel Loaders

966D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 08Z1731-21156(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 08Z1731-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z21157-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 13Z1-7247(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 13Z6035-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z7248-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 94X1-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 94X7032-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 99Y1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2504 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 99Y2587-UP | | | | |
| Power Train | 1 | 6P-4603 | - | - |

966E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z1731-21156(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 13Z1-7247(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 13Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

966E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 94X1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 94X7032-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| 99Y1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 99Y2587-UP | | | | |
| Power Train | 1 | 6P-4603 | - | - |
| KHX9820-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| TX71-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

966F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z68825-UP(Engine) | | | | |

Wheel Loaders

966F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 13Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1SL1-UP | | | | |
| Air Primary | 1 | 346-6693 | - | - |
| Air Secondary | 1 | 346-6694 | - | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Hydraulic UHE | 1 | 295-6257 | - | 295-6257 |
| 3XJ1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |
| Air - Cab Recirculation | 1 | 2V-0036 | - | 175-2837 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 4 | 4T-3134 | - | - |
| Hydraulic | 4 | 9J-5461 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Power Train | 1 | 6P-4603 | - | - |
| 4YG1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary | 1 | 346-6693 | - | - |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary | 1 | 346-6694 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic UHE | 1 | 295-6257 | - | 295-6257 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| KHX9820-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| TX71-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

966F II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z68825-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 10Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1S1-1664 | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| 1S1-UP | | | | |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 4 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8BG1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9YJ1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Primary-Radial Seal | 1 | 7W-5317 | - | - |
| Air Secondary | 1 | 6I-2504 | - | - |
| Air Secondary | 1 | 6I-2502 | - | - |
| Air Secondary - Axial Seal | 1 | 9S-9972 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

Wheel Loaders

966F II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Filter | 1 | 125-1992 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 4 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 4 | 1R-0722 | 1R-0774 | 139-1536 |
| Power Train | 1 | 6P-4603 | - | - |
| 9YJ1078-UP | | | | |
| Air Primary | 1 | 346-6693 | - | - |
| Air Secondary | 1 | 346-6694 | - | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Hydraulic UHE | 1 | 295-6257 | - | 295-6257 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| KHX9820-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| TX71-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

966G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3PW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3SW1-1689 | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| 3SW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |

Wheel Loaders

966G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3ZS1-790 | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| 3ZS1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9RS1-1631 | | | | |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| 9RS1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9RS968-1631 | | | | |
| Hydraulic | 1 | 4I-3741 | - | - |
| HDH1-28 | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| HDH1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| R6J1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Wheel Loaders

966G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3PD1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| ANT1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| ANZ1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| AWY1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 200-2672 | - | - |
| Hydraulic | 1 | 201-0217 | - | - |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| AXJ1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 201-0217 | - | - |
| Hydraulic | 1 | 200-2672 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

966G II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

966H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| A6D1-2442 | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| A6D1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| A6D2145-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| A6G1-3985 | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| A6G1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| A6G3807-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| BJ61-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| BS61-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| FMW1-103 | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| FMW1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| RSX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Wheel Loaders

966H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| RYF1-1639 | | | | |
| Hydraulic | 1 | 225-4118 | - | - |
| RYF1-309 | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| RYF1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| RYF1640-UP | | | | |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| TAL1-284 | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| TAL1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| TXE1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |

970F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z70280-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z28100-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7SK1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |

970F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 4 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9JK1-UP | | | | |
| Air - Cab | 1 | 7X-6041 | - | 175-2834 |
| Air - Cab | 1 | 175-2834 | - | 175-2834 |
| Air - Cab Heater | 1 | 9X-3352 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 1 | 3E-0410 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic | 4 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 4 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Power Train | 1 | 6P-4603 | - | - |
| 9JK492-UP | | | | |
| Filter | 1 | 125-1992 | - | - |

972G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 13Z1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1EW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

Wheel Loaders

972G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 4WW1-856 | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| 4WW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6AW1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic | 1 | 157-3862 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7LS1-465 | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| 7LS1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic | 1 | 134-3016 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9GW1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

972G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

972G II (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 5ED1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| ANY1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| AWP1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| AXC1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 201-0217 | - | - |
| Hydraulic | 1 | 4I-3948 | 184-3931 | 126-1813 |
| Hydraulic | 1 | 4I-3741 | - | - |
| Hydraulic | 1 | 200-2672 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| AXN1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Hydraulic | 1 | 201-0217 | - | - |
| Hydraulic | 1 | 200-2672 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

972H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Wheel Loaders

972H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| A7D1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| A7D768-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| A7G1-1296 | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| A7G1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| A7G1219-UP | | | | |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| GTA1-182 | | | | |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| GTA1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| LCC1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| MHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| NPE1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| TXF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| WLA1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

972H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| WXZ1-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 245-3818 | - | - |
| Air Secondary | 1 | 245-3819 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |

980C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2XD1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Coolant | 1 | 435-5142 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 63X1-5184 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 63X1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| 63X2819-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| 63X5063-UP | | | | |
| Hydraulic | 4 | 4T-3134 | - | - |
| Hydraulic | 4 | 9J-5461 | - | - |
| 63X5641-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 63X6548-6548 | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 63X6548-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 63X6575-UP | | | | |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |

Wheel Loaders

980C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 70V14496-27198(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 70V14539-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V16376-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| BMS101-112(Engine) | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| BMS101-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BMS113-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Filter | 1 | 108-5959 | - | - |
| MHX9908-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

980F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 3HK1-UP | | | | |
| Air - Cab | 1 | 7R-2258 | - | - |
| Air - Cab Recirculation | 1 | 2V-0036 | - | 175-2837 |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 3HK721-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 70V1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8CJ1-540 | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |

980F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 8CJ1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 4 | 9J-5461 | - | - |
| Hydraulic | 4 | 4T-3134 | - | - |
| Hydraulic | 1 | 9T-8578 | 9T-8578 | 144-0832 |
| Hydraulic | 1 | 225-4118 | - | - |
| Hydraulic - UHE | 1 | 144-0832 | - | 144-0832 |
| Transmission | 1 | 343-4464 | - | - |
| 8CJ541-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| A5N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| A5Y1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BMS1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| MHX9908-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

980F II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4RN1-804 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 4RN1-UP | | | | |

Wheel Loaders

980F II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 7R-2258 | - | - |
| Air - Cab Recirculation | 1 | 2V-0036 | - | 175-2837 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 5XJ1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8JN1-UP | | | | |
| Air - Cab Recirculation | 2 | 2V-0036 | - | 175-2837 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 4 | 4T-3134 | - | - |
| Hydraulic | 4 | 9J-5461 | - | - |
| Transmission | 1 | 343-4464 | - | - |
| A5N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| A5Y1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BMS1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

980G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 2KR1-505 | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

Wheel Loaders

980G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 2KR1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 4 | 4T-3134 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 4 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2KR3565-UP | | | | |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| 2KR506-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| 2SR1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 41Z1-UP(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 9CM1-372 | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 9CM1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel | 1 | 172-2152 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 4 | 4T-3134 | - | - |
| Hydraulic | 1 | 143-2849 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 4 | 1R-0722 | 1R-0774 | 139-1536 |
| Power Train | 1 | 6P-4603 | - | - |
| 9CM2142-UP | | | | |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| 9CM373-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| LHX26318-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| TXG2819-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Wheel Loaders

980G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|--------------------|----------|-------------|----------|-----------------------|
| TXJ1-UP(Engine) | | | | | Filter | 1 | 108-5959 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

980G II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|----------------------------|----------|-------------|----------|-----------------------|
| AWH1-UP | | | | | Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 | Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 | Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 112-7448 | - | 175-2838 | Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab | 1 | 107-0266 | - | - | Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 | Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - | Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - | Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - | Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Hydraulic | 1 | 201-0217 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 | Hydraulic | 1 | 200-2672 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - | Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 156-0214 | - | - | Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 | Power Train | 1 | 6P-4603 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 | BET1-UP(Engine) | | | | |
| Power Train | 1 | 6P-4603 | - | - | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 | Fuel - FWS | 1 | 174-9570 | - | - |
| AXG1-1270 | | | | | Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 | Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| AXG1-UP | | | | | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

980H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| JMS1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| KZL1-UP | | | | |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| MHG1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Hydraulic | 1 | 6E-6408 | 6E-6408 | 465-6506 |
| Hydraulic - UHE | 1 | 465-6506 | - | 465-6506 |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| P8B1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| PF81-UP | | | | |
| Air - Cab | 2 | 175-2834 | - | 175-2834 |
| Air - Cab | 2 | 7X-6041 | - | 175-2834 |
| Air Primary | 1 | 151-7737 | - | - |
| Air Secondary | 1 | 189-0202 | - | - |
| Transmission ADV | 1 | 328-3655 | 328-3655 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |

Wheel Loaders

988B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 48W1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 48W13173-26423(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 48W14354-UP(Engine) | | | | |
| Engine Oil | 1 | 4N-1409 | - | - |
| 50W1-UP | | | | |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |
| Air - Cab Recirculation | 2 | 6P-1319 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 50W1286-8176 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 50W3777-UP | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 50W6041-9164 | | | | |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| 50W6041-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| 50W8177-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| 50W8185-8224 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 99C9850-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

988F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 48W34250-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 5XD4137-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 8YG1-UP | | | | |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |

988F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab Recirculation | 2 | 6P-1319 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 2 | 147-0178 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-4284 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 99C9764-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

988F II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2ZR1-440 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 2ZR1-UP | | | | |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |
| Air - Cab Recirculation | 2 | 6P-1319 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 2 | 147-0178 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 4T-4284 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 5XD1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Wheel Loaders

988G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| 1NZ1-UP | | | | |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 2 | 183-6194 | - | - |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2TW1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 2 | 183-6194 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7RC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BNH1-UP | | | | |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Engine Oil - ADV | 1 | 275-2604 | 275-2604 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 2 | 183-6194 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| BNT1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BNT10129-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

988H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

988H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| A7A1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Transmission | 1 | 337-5270 | - | - |
| BXY1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |
| Air - Cab | 1 | 107-0266 | - | - |
| Air - Cab | 1 | 112-7448 | - | 175-2838 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Engine Oil - ADV | 1 | 275-2604 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 457-1527 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 2 | 183-6194 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 167-2009 | - | 167-2009 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Precleaner | 1 | 258-6614 | - | - |
| BXY4000-UP | | | | |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Transmission | 1 | 337-5270 | - | - |
| RHX1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXH1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

990

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 73W14650-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7HK1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |

Wheel Loaders

990 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - UHE | 2 | 139-1534 | - | - |
| 80M7883-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

990 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------------|----------|-------------|----------|-----------------------|
| 4FR1-208 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 4FR1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - UHE | 2 | 139-1534 | - | - |
| 5JJ251-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| 5JJ3009-4369(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 80M1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| BCR1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic - UHE | 2 | 139-1534 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |

990H

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Wheel Loaders

990H (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| BWX1-532 | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| BWX1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Hydraulic | 2 | 4T-3134 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Precleaner Ar-Cab Air | 1 | 258-0959 | - | - |
| BWX533-UP | | | | |
| Transmission | 2 | 343-4465 | - | - |
| EHX1-2699(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| EHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

992C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 42X1-UP | | | | |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 42X648-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 42X900-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 49Z1-UP | | | | |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |
| Air - Cab Recirculation | 2 | 6P-1319 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 1P-8482 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Hydraulic | 1 | 9J-1212 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 9P-0856 | - | - |
| 49Z1176-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 49Z433-UP | | | | |
| Hydraulic | 1 | 8J-7390 | - | - |
| 73W1-UP(Engine) | | | | |

Wheel Loaders

992C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 80M1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

992D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 73W13888-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 7MJ1-147 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 7MJ1-641 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 7MJ1-UP | | | | |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |
| Air - Cab Recirculation | 2 | 6P-1319 | - | - |
| Hydraulic | 1 | 9J-1212 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 8J-7390 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 4 | 4T-3133 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 9P-0856 | - | - |
| 7MJ148-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| 80M1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

992G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Wheel Loaders

992G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 2GR1-2632(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 2GR1-UP(Engine) | | | | |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| Air Secondary | 1 | 123-6856 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 2GR208-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| 7HR1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Engine Oil | 1 | 115-2129 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 7HR398-UP | | | | |
| Hydraulic | 2 | 183-6194 | - | - |
| ADZ1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Engine Oil | 1 | 115-2129 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| ADZ129-UP | | | | |
| Hydraulic | 2 | 183-6194 | - | - |
| ADZ541-UP | | | | |
| Fuel | 1 | 222-6713 | - | - |
| AZX1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Engine Oil | 1 | 115-2129 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| C8T1-UP(Engine) | | | | |
| Air Primary | 1 | 123-6855 | - | 132-7169 |
| Air Secondary | 1 | 123-6856 | - | - |
| Engine Oil - ADV | 2 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

992K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 8801-UP | | | | |
| Air - Cab | 2 | 107-0266 | - | - |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Secondary | 1 | 333-1189 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| FILTER AS-HYD | 1 | 465-8903 | - | 465-8903 |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Hydraulic UHE | 1 | 295-6257 | - | 295-6257 |
| Transmission - ADV | 1 | 344-0004 | 344-0004 | - |
| 880415-UP | | | | |

Wheel Loaders

992K (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Filter | 1 | 396-9124 | - | - |
| H4C1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| FILTER AS-HYD | 1 | 465-8903 | - | 465-8903 |
| Filter | 1 | 396-9124 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Precleaner Ar-Cab Air | 1 | 258-0959 | - | - |
| H4C364-UP | | | | |
| Transmission | 1 | 343-4465 | - | - |
| LJW2195-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| MHM1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter-Fuel | 2 | 422-7587 | - | 422-7587 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| MZM1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| ZMX1-UP | | | | |
| Air - Cab | 2 | 107-0266 | - | - |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Secondary | 1 | 333-1189 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| FILTER AS-HYD | 1 | 465-8903 | - | 465-8903 |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic | 1 | 166-4647 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Hydraulic UHE | 1 | 295-6257 | - | 295-6257 |
| Transmission - ADV | 1 | 344-0004 | 344-0004 | - |
| ZMX473-UP | | | | |
| Filter | 1 | 396-9124 | - | - |

993K

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| LWA1-UP | | | | |
| Air - Cab | 2 | 107-0266 | - | - |
| NHK1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter-Fuel | 2 | 422-7587 | - | 422-7587 |

993K (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| NZK1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Z4D1-288 | | | | |
| Hydraulic ADV | 1 | 428-8649 | 428-8649 | - |
| Z4D1-UP | | | | |
| Air - Cab | 2 | 107-0266 | - | - |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Secondary | 1 | 333-1189 | - | - |
| Engine Oil | 3 | 243-3758 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - UHE | 6 | 139-1537 | - | 139-1537 |
| Transmission - ADV | 1 | 344-0004 | 344-0004 | - |
| Transmission UHE | 1 | 389-1088 | - | 389-1088 |
| Z4Z1-389 | | | | |
| Hydraulic ADV | 1 | 428-8649 | 428-8649 | - |
| Z4Z1-UP | | | | |
| Air - Cab | 2 | 107-0266 | - | - |
| Air Primary | 1 | 396-2123 | - | 467-2012 |
| Air Secondary | 1 | 333-1189 | - | - |
| Engine Oil | 3 | 243-3758 | - | - |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 6 | 139-1537 | - | 139-1537 |
| Transmission - ADV | 1 | 344-0004 | 344-0004 | - |
| Transmission UHE | 1 | 389-1088 | - | 389-1088 |
| Z9K1-452 | | | | |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Z9K1-UP | | | | |
| Air - Cab | 2 | 107-0266 | - | - |
| Air Primary - UHE | 1 | 132-7168 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil | 9 | 243-3758 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil | 1 | 115-2129 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 222-6713 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 134-0964 | 134-0964 | 4C-6860 |
| Hydraulic | 1 | 155-6061 | - | - |
| Hydraulic | 1 | 173-0159 | - | - |
| Hydraulic - UHE | 1 | 139-1537 | - | 139-1537 |
| Hydraulic - UHE | 1 | 126-1813 | - | 126-1813 |
| Z9K453-UP | | | | |
| Transmission | 1 | 343-4465 | - | - |

994

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Wheel Loaders

994 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 54Z1201-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 54Z486-1200(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 54Z486-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 9YF1-48 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| 9YF1-UP | | | | |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |
| Air - Cab Recirculation | 2 | 6P-1319 | - | - |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 9YF20-109 | | | | |
| Power Train | 1 | 9T-1817 | - | - |
| 9YF21-27 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 9YF49-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |

994D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 3TZ1-UP | | | | |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |
| Air - Cab | 2 | 9X-8216 | - | 175-2840 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| Air Primary-Radial Seal | 4 | 122-1675 | - | 122-1675 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary | 1 | 7E-6719 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

994D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7TR1057-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| 7TR360-1056(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| 7TR360-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |

994F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 4421-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air - Cab | 2 | 175-2840 | - | 175-2840 |
| Air - Cab | 1 | 8P-5343 | - | 175-2835 |
| Air - Cab Recirculation | 1 | 6P-1319 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil | 1 | 115-2129 | - | - |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary | 1 | 7E-6719 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| Hydraulic | 3 | 4T-3132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 442325-UP | | | | |
| Transmission | 1 | 343-4465 | - | - |
| 8WM1-3261(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 8WM1-UP(Engine) | | | | |
| Engine Oil - ADV | 4 | 275-2604 | 275-2604 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 8WM3262-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

994G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Wheel Loaders

994G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 7TR1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0755 | 1R-0755 | 422-7587 |
| 8FR1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel Secondary | 1 | 7E-6719 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| BEH1-UP | | | | |
| Air - Cab | 1 | 9X-8216 | - | 175-2840 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service Life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2,3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3,4} |
| {1} Use the interval that occurs first. | |
| {2} Add Cat ELC Extender at 6,000 service hours or one half of the service life for the ELC. | |
| {3} These coolant change intervals are only possible with annual S•OS SM Level 2 coolant sampling and analysis. | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Wheel Skidders

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmisson

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Power Shift Transmission | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 10 | -40 | 50 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 {1} | 0 | 50 | 32 | 122 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -10 | 50 | 14 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Final Drive and Swing Drive | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -30 | 0 | -22 | 32 |
| | | SAE 30 {1} | -25 | 25 | -13 | 77 |
| | | SAE 50 | -15 | 50 | 5 | 122 |
| | Cat TDTO TMS | Multi-grade | -30 | 25 | -22 | 77 |
| Final Drive for Wheel Load Skidders (525-545) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -25 | 15 | -13 | 59 |
| | | SAE 30 {1} | -20 | 43 | -4 | 110 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -30 | 43 | -22 | 110 |

{1} Factory Fill Fluid

Oils - Special Application

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------|----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Variable Pitch Fan | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |

Wheel Skidders

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|---|---------------------------------------|--|---------------------------|-----|-----|-----|------------|-------------------------------------|
| | | | ° C | | ° F | | | |
| | | | Min | Max | Min | Max | | |
| Articulation Bearings, Bogie Bearings, Drive Shaft Support Bearing, Drive Shaft Universal Joint, Gate Cylinder, Grapple Head Rotator, Swing Drive Bearing, Swing Drive Gear, Winch Drive Shaft Bearing, Winch Drive Shaft Universal Joint, Winch Drum Bearing | High | 517- Skidding loads over 4536 kg (10,000 lb) in steep terrain (over 30%) with high skidding resistance. 525B- Skidding loads over 6800 kg (15,000 lb) in steep terrain (over 10%) with high skidding resistance. 527- Skidding loads over 6360 kg (14,000 lb) in steep terrain (over 30%) with high skidding resistance. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | | | -50 | 50 | -58 | 95 | 0.5 | Extreme Application Grease - Arctic |
| Fan Drive Bearings | Medium | 517- Skidding loads up to 4536 kg (10,000 lb) in moderate terrain (8-30%) with medium skidding resistance. 525B- Skidding loads up to 6800 kg (15,000 lb) in moderate terrain (5-10%) with average skidding resistance. 527- Skidding loads up to 6360 kg (14,000 lb) in moderate terrain (8-30%) with medium skidding resistance. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| | Low | 517- Skidding loads less than 4536 kg (10,000 lb) in flat terrain (0-8%) with low skidding resistance. 525B- Skidding loads less than 4500 kg (10,000 lb) in flat terrain (0-5%) with low skidding resistance. 527- Skidding loads less than 6360 kg (14,000 lb) in flat terrain (0-8%) with low skidding resistance. | -20 | 40 | -4 | 104 | 2 | Utility Grease |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

515

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 07Z32027-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4LR1-717 | | | | |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| 4LR1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 223-3694 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |

515 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 2 | 129-8357 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| 4LR718-UP | | | | |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |

518

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 07Z1523-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 07Z27255-UP(Engine) | | | | |
| Fuel | 1 | 1W-9532 | - | - |
| 07Z4629-5693(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 07Z5694-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 07Z8942-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 1HE1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 1ZC1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 3GA1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Transmission | 1 | 343-4464 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 4SA1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 50S1-UP | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 50S3230-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| 55U1-UP | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 55U669-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| 8ZC1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| 94U691-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| 95U101-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |

Wheel Skidders

518 II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 07Z27255-UP(Engine) | | | | |
| Fuel | 1 | 1W-9532 | - | - |
| 07Z4629-5693(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 07Z5694-UP(Engine) | | | | |
| Fuel | 1 | 1R-0740 | 1R-0750 | - |
| 07Z8942-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 1ZC1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 7RE1-UP(Transmission) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| 94U691-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| 95U101-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |
| 9NE1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |

518C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 07Z28000-28000(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 07Z28000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1CL1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 2S-1285 | - | - |
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| 2DX1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 4MX1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |

518C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 8XX1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 9HJ1-UP | | | | |
| Air Primary | 1 | 7W-5389 | - | - |
| Air Secondary | 1 | 2S-1285 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4J-0816 | - | - |
| Hydraulic | 1 | 4T-3130 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

525

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 07Z31733-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel | 1 | 1W-9532 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1DN1-1968 | | | | |
| Hydraulic - Cartridge | 1 | 9T-9054 | - | 9T-7656 |
| 1DN1-UP | | | | |
| Air - Cab | 1 | 223-3694 | - | - |
| Air Primary | 1 | 6I-2499 | - | 132-7164 |
| Air Secondary | 1 | 6I-2500 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 9T-7656 | - | 9T-7656 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Power Train | 1 | 129-8357 | - | - |
| 1DN1069-UP | | | | |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |

525B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------|----------|-------------|----------|-----------------------|
| 3KZ1-820 | | | | |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 3KZ1-874 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |

Wheel Skidders

525B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 3KZ1-UP | | | | |
| Air - Cab | 1 | 223-3694 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 147-0178 | - | - |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic | 1 | 201-0875 | 201-0875 | 223-7810 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 55K1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |

525C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 5251-UP | | | | |
| Air - Cab | 1 | 223-3694 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Engine Oil | 1 | 147-0178 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 201-0875 | 201-0875 | 223-7810 |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| Transmission | 1 | 341-6643 | - | - |
| KHX304-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

525D

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------|----------|-------------|----------|-----------------------|
| 2L51-UP | | | | |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Filter | 1 | 422-7912 | - | - |
| Filter Element As-Oil | 1 | 348-1861 | - | - |
| Filter Element As-Oil | 1 | 389-1079 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

525D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| D8T1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| GKP1-UP | | | | |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 245-6375 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 245-6376 | - | - |
| Filter | 1 | 422-7912 | - | - |
| Filter Element As-Oil | 1 | 348-1861 | - | - |
| Filter Element As-Oil | 1 | 389-1079 | - | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

528

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 03N52366-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 08Z1629-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 08Z19205-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 08Z977-1628(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 3TA1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Transmission | 1 | 343-4464 | - | - |
| 51S1-662 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Transmission | 1 | 343-4464 | - | - |
| 51S1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 78W1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

528B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Wheel Skidders

528B (Cont'd.)

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 08Z66000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1PX1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 7GX1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 8SJ1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 2 | 9J-1212 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

530B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035.](#)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 08Z66000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3PX1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 5BK1-UP | | | | |
| Air Primary | 1 | 6I-2501 | - | 128-2686 |
| Air Secondary | 1 | 6I-2502 | - | - |
| Hydraulic | 2 | 9J-1212 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7HX1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |

535B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

535B (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 55K1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 176-5618 | - | - |
| Fuel - FWS | 1 | 326-1642 | 326-1642 | - |
| Fuel - FWS | 1 | 151-2409 | - | - |
| Fuel Secondary - ADV | 2 | 1R-0751 | 1R-0751 | 364-5287 |
| AAE1-567 | | | | |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| AAE1-582 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| AAE1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 223-3694 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 147-0178 | - | - |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| AAE562-562 | | | | |
| Hydraulic | 1 | 201-0875 | 201-0875 | 223-7810 |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| AAE583-UP | | | | |
| Hydraulic | 1 | 201-0875 | 201-0875 | 223-7810 |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |

535C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 5351-UP | | | | |
| Air - Cab | 1 | 223-3694 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Engine Oil | 1 | 147-0178 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 201-0875 | 201-0875 | 223-7810 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 535607-686 | | | | |
| Transmission | 1 | 341-6643 | - | - |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Wheel Skidders

535D

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 3L51-UP | | | | |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Filter | 1 | 422-7912 | - | - |
| Filter Element As-Oil | 1 | 348-1861 | - | - |
| Filter Element As-Oil | 1 | 389-1079 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| D8T1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| E7A1-UP(Engine) | | | | |
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| MTP1-UP | | | | |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Filter | 1 | 422-7912 | - | - |
| Filter Element As-Oil | 1 | 348-1861 | - | - |
| Filter Element As-Oil | 1 | 389-1079 | - | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

545

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 10Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2FZ1-431 | | | | |
| Hydraulic - UHE | 1 | 465-6502 | - | 465-6502 |
| 2FZ1-437 | | | | |
| Hydraulic - Cartridge | 1 | 1R-0722 | 1R-0774 | 139-1536 |
| Hydraulic - Cartridge | 1 | 1R-0735 | 1R-0777 | 139-1537 |
| 2FZ1-UP | | | | |
| Air - Cab | 1 | 223-3694 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 147-0178 | - | - |
| Hydraulic | 1 | 201-0875 | 201-0875 | 223-7810 |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

545C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| 5451-UP | | | | |
| Air - Cab | 1 | 223-3694 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Engine Oil | 1 | 147-0178 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 152-6902 | 152-6902 | 465-8903 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 201-0875 | 201-0875 | 223-7810 |
| Hydraulic ADV | 1 | 1G-8878 | 1G-8878 | 465-6502 |
| 545538-UP | | | | |
| Transmission | 1 | 341-6643 | - | - |
| KHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

545D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 4L51-UP | | | | |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Filter | 1 | 422-7912 | - | - |
| Filter Element As-Oil | 1 | 389-1079 | - | - |
| Filter Element As-Oil | 1 | 348-1861 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |
| D8T1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| E7A1-UP(Engine) | | | | |
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| KGP1-UP | | | | |
| Air - Cab | 1 | 265-6618 | - | - |
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Filter | 1 | 422-7912 | - | - |
| Filter Element As-Oil | 1 | 348-1861 | - | - |
| Filter Element As-Oil | 1 | 389-1079 | - | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Hydraulic - ADV | 1 | 144-6691 | 144-6691 | 126-1815 |

Wheel Skidders

555D

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| D8T1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Filter-Fuel | 1 | 384-8512 | - | - |
| Fuel - FWS UHE | 1 | 360-8959 | - | 360-8959 |
| Fuel Secondary UHE | 1 | 360-8960 | - | 360-8960 |
| PGY1-UP | | | | |
| Air - Cab | 1 | 265-6618 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 245-6375 | - | - |
| Air Secondary | 1 | 245-6376 | - | - |
| Filter | 1 | 422-7912 | - | - |
| Filter Element As-Oil | 1 | 348-1861 | - | - |
| Filter Element As-Oil | 1 | 389-1079 | - | - |
| Filter-Fuel | 1 | 384-8512 | - | - |

Coolants

| Cat Recommended Coolants | |
|--|--|
| Coolant Type | Service life {1} |
| Cat ELC | 12,000 Service Hours or Six Years {2} {3} |
| Cat DEAC | 3,000 Service Hours or Three Years {3} {4} |
| {1} Use the interval that occurs first | |
| {2} Add Cat ELC Extender at 6,000 hours or one half of the service life for the ELC | |
| {3} These coolant change intervals are only possible with annual S•O•S SM Level 2 coolant sampling and analysis | |
| {4} Test SCA (Supplemental Coolant Additive) concentration every 250 hours. Add Cat SCA as needed. | |

Oils - Engine Crankcase

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | |
|------------------------|-----------------|------|-----|-----|-----|
| | | Min | Max | Min | Max |
| Cat DEO | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO-ULS | SAE 15W-40 | -9.5 | 50 | 15 | 122 |
| Cat DEO-ULS {1} | SAE 10W-30 | -18 | 40 | 0 | 104 |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| {1} Factory Fill Fluid | | | | | |

Wheel Tractor-Scrapers

Oils - Hydraulic System

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Oil Type | Viscosity Grade | °C | | °F | | Standard Drain Interval | Extended Drain Interval |
|------------------------|-----------------|-----|-----|-----|-----|-------------------------|-------------------------|
| | | Min | Max | Min | Max | | |
| Cat HYDO Adv 10 | SAE 10W {1} | -20 | 40 | -4 | 104 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 20 | SAE 20 | -5 | 45 | 23 | 113 | 3000 hours | 6000 hours {2} |
| Cat HYDO Adv 30 | SAE 30 | 0 | 50 | 32 | 122 | 3000 hours | 6000 hours {2} |
| Cat Bio HYDO Adv | Bio HYDO | -30 | 45 | -22 | 113 | 3000 hours | 6000 hours {2} |
| Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 | 3000 hours | 6000 hours {3} |
| Cat MTO | Multi-grade | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 10W-30 | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat DEO / DEO-ULS | SAE 15W-40 | -10 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO 10 | SAE 10W | -20 | 40 | -4 | 104 | 2000 hours | 4000 hours {3} |
| Cat TDTO 30 | SAE 30 | 0 | 32 | 50 | 122 | 2000 hours | 4000 hours {3} |
| Cat TDTO TMS | Multi-grade | -15 | 50 | 5 | 122 | 2000 hours | 4000 hours {3} |
| {1} Factory Fill Fluid | | | | | | | |
| {2} SOS recommended | | | | | | | |
| {3} SOS required | | | | | | | |

Oils - Transmission

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--------------------------|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Power Shift Transmission | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -20 | 10 | -4 | 50 |
| | | SAE 30 {1} | 0 | 35 | 32 | 95 |
| | | SAE 50 | 10 | 50 | 50 | 122 |
| | Cat TDTO TMS | Multi-grade | -20 | 50 | -4 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Wheel Tractor-Scrapers

Oils - Nondriven Wheels

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|---|--------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Nondriven Scraper Wheels except 613G {2} | Cat FDAO | SAE 60 {1} | -7 | 50 | 19 | 122 |
| | Cat TDTO | SAE 30 | -25 | 15 | -13 | 59 |
| | Cat FDAO SYN | Multi-grade | -15 | 50 | 5 | 122 |
| | Cat TDTO TMS | Multi-grade | -35 | 15 | -31 | 122 |
| Nondriven Scraper Wheels for 613G | Cat Utility Grease | NLGI 2 | -30 | 40 | -22 | 104 |
| Nondriven Scraper Wheels (Towed Scrapers) | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| {1} Factory Fill Fluid | | | | | | |
| {2} Nondriven scraper wheels (except for 613G) can also use the gear oils listed under Differentials and Final Drives | | | | | | |

Oils - Final Drives/Differentials

The product(s) listed below are the Cat preferred product. For additional options, please consult the Caterpillar Machine Fluids Recommendations (SEBU6250).

| Compartment | Oil Type | Viscosity Grade | °C | | °F | |
|--|-----------------------|-----------------|-----|-----|-----|-----|
| | | | Min | Max | Min | Max |
| Differentials and Final Drives, Auger Lower Bearings, Auger, and Elevator Speed Reducers | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO | SAE 80W-90 {1} | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| Brake Circulation for 620H Series | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 |
| | Cat TDTO | SAE 10W {1} | -20 | 50 | -4 | 122 |
| Elevator Lower Rollers | Cat DEO Cold Weather | SAE 0W-40 | -40 | 40 | -40 | 104 |
| | Cat DEO / DEO-ULS | SAE 15W-40 {1} | -10 | 50 | 14 | 122 |
| {1} Factory Fill Fluid | | | | | | |

Wheel Tractor-Scrapers

Greases

| Application Point | Typical Applications (Load and Speed) | Load Factor | Ambient Temperature Range | | | | NLGI Grade | Recommended Grease Type |
|---|---------------------------------------|---|---------------------------|-----|-----|-----|------------|-------------------------------------|
| | | | ° C | | ° F | | | |
| | | | Min | Max | Min | Max | | |
| Brake Camshaft Bearings, Drive Shaft Spline, Ejector Carrier and Support Rollers, Sprocket Shaft Support Bearings | High | Continuous high total resistance conditions with steady cycling. | -20 | 40 | -5 | 104 | 1 | Extreme Application Grease |
| | | | -15 | 50 | +5 | 122 | 2 | |
| | Medium | Typical road building use. | -20 | 40 | -4 | 104 | 0.5 | Extreme Application Grease - Arctic |
| | Low | Average use but with considerable idling, favorable grades, low rolling resistance and easy loading material. | -20 | 40 | -4 | 104 | 2 | Prime Application Grease |
| Fan Drive Bearings | | | -20 | 40 | -4 | 104 | 2 | Utility Grease |
| | | | -20 | 40 | -4 | 104 | 2 | Ball Bearing Grease |

Filters

The "Part Number" column represents the "As Shipped" filters. As Shipped filters are the minimum recommendations for filter efficiency for that particular system. Higher efficiency filters may be used, but to prevent damage do not use lower efficiency options.

611

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6SZ1-236 | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 6SZ1-UP | | | | |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 7WZ1-UP(Scraper) | | | | |

611 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 7W-7831 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

613C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 79V11069-UP(Engine) | | | | |
| Engine Oil | 2 | 1R-0713 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 92X1-UP | | | | |
| Air - Cab Recirculation | 1 | 8P-5142 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 8N-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 1C-6397 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 93X1-898(Scraper) | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 93X1-UP(Scraper) | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 93X2780-UP(Scraper) | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| 93X899-UP(Scraper) | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |

613C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Wheel Tractor-Scrapers

613C II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 4TF1-7800(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4TF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 8LJ1-778 | | | | |
| Air Primary | 1 | 8N-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 1C-6397 | - | - |
| 8LJ1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 3E-7319 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 8LJ2500-UP | | | | |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| 8LJ779-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| 93X1-898(Scraper) | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 93X1-UP(Scraper) | | | | |
| Fuel - FWS | 1 | 8N-9803 | - | - |
| 93X2780-UP(Scraper) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 117-4089 | - | - |
| 93X899-UP(Scraper) | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 98Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0751 | 1R-0751 | 364-5287 |
| 98Z1003-13116(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| KEH1-UP | | | | |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Engine Oil - ADV | 4 | 1R-1807 | 1R-1807 | - |
| Fuel - FWS | 1 | 117-4089 | - | - |
| Fuel Secondary - ADV | 4 | 1R-0751 | 1R-0751 | 364-5287 |
| Hydraulic | 2 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Hydraulic - UHE | 1 | 132-8876 | - | 132-8876 |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| LCZ1-UP | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |
| TJK1-UP(Scraper) | | | | |
| Fuel - FWS | 1 | 117-4089 | - | - |

613G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

Wheel Tractor-Scrapers

613G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| C6E1-UP(Engine) | | | | |
| Engine Oil ADV | 1 | 462-1171 | 462-1171 | - |
| Fuel - UHE | 1 | 299-8229 | - | 299-8229 |
| Fuel Primary | 1 | 309-0860 | - | - |
| DBE1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air Primary | 1 | 304-5632 | - | - |
| Air Secondary | 1 | 304-5633 | - | - |
| Engine Oil | 2 | 243-3758 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| ESB1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air Primary | 1 | 304-5632 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 304-5633 | - | - |
| Engine Oil | 2 | 243-3758 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| YCB1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air Primary | 1 | 304-5632 | - | - |
| Air Secondary | 1 | 304-5633 | - | - |
| Engine Oil | 2 | 243-3758 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

615

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z25425-41142(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 08Z7769-25424(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 46Z1-1452 | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| 46Z1-UP | | | | |
| Air - Cab Recirculation | 1 | 8P-5142 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

Wheel Tractor-Scrapers

615 (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

615C

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 2XG1-UP(Scraper) | | | | |
| Air - Cab Recirculation | 1 | 8P-5142 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 5TF1-UP | | | | |
| Air - Cab Recirculation | 1 | 8P-5142 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Secondary | 1 | 6I-2504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| R6J1-UP(Engine) | | | | |

615C (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

615C II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 10Z46580-UP(Engine) | | | | |
| Fuel Primary | 1 | 7C-4949 | - | - |
| 2XG1-UP(Scraper) | | | | |
| Air - Cab Recirculation | 1 | 8P-5142 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7W-7831 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7C-4949 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9XG1-UP | | | | |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary | 1 | 6I-2504 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train | 1 | 6P-4603 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| B6M1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Wheel Tractor-Scrapers

615C II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Fuel Primary | 1 | 7C-4949 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

621B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 1LA1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2GB1-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 45P1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 45P1742-UP | | | | |
| Air - Cab Recirculation | 2 | 6P-1319 | - | - |
| 45P2266-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| 6XB1-UP(Scraper) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V10346-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 70V1062-UP(Engine) | | | | |
| Fuel | 1 | 4N-5823 | - | - |
| 7KC1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Wheel Tractor-Scrapers

621B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 8HC1-UP | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BET12000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| LHX14535-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TXG3047-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

621E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 11N1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 1WE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 2PD1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 2PD1011-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| 2PD687-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 6AB1-905 | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 6AB1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 1P-7360 | - | - |

Wheel Tractor-Scrapers

621E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| 6AB1428-UP | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 6AB1520-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 6BB1-UP(Scraper) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 70V22151-27198(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 70V27199-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| BET12057-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| LHX14808-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

621F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------------|----------|-------------|----------|-----------------------|
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 11N7400-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 1WE2000-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 41Z548-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 4RY1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |

Wheel Tractor-Scrapers

621F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 4RY489-UP(Transmission) | | | | |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4SK1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 8PL1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| BET12057-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| LHX14808-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

621G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 6PY1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |

Wheel Tractor-Scrapers

621G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| A4H1-UP(Transmission) | | | | |
| Transmis-sion | 1 | 343-4464 | - | - |
| ALP1-UP | | | | |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Sec-on-dary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Sec-on-dary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| BET1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Sec-on-dary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| CEN1-299 | | | | |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| CEN1-UP | | | | |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Sec-on-dary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Sec-on-dary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 178-0561 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| DBB1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Sec-on-dary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Sec-on-dary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| DBX1-UP(Scraper) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Sec-on-dary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| DXB1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Sec-on-dary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| KJW1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Sec-on-dary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Wheel Tractor-Scrapers

621G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| Transmission | 1 | 343-4464 | - | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| M1R1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| MSE1-UP | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| NEL1-UP | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| Transmission | 1 | 343-4464 | - | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

621S

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 1TE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| 8KD628-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |

623B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

Wheel Tractor-Scrapers

623B (Cont'd.)

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 1KA1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 46P1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 46P1334-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| 46P995-UP | | | | |
| Air - Cab Recirculation | 2 | 6P-1319 | - | - |
| 70V10346-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| BET12000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| LHX14535-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| TXG3047-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

623E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 1SE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 1WE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

Wheel Tractor-Scrapers

623E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 6CB1-703 | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 6CB1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| 6YF1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 1P-7360 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-4284 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| 6YF359-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 70V22151-27198(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 70V27199-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| BET12057-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| LHX14808-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Wheel Tractor-Scrapers

623F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------------|----------|-------------|----------|-----------------------|
| 11N7400-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1WE2000-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 4RY489-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 5EW1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 4T-4284 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| 6BK1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic | 1 | 4T-4284 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| LHX14808-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG1-UP(Engine) | | | | |

Wheel Tractor-Scrapers

623F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

623G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|----------------------------|----------|-------------|----------|-----------------------|
| 6PY1-UP(Transmission) | | | | | Air - Cab | 1 | 174-8145 | - | - |
| Hydraulic | 1 | 4T-3131 | - | - | Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 | Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 | Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Transmission | 1 | 343-4464 | - | - | Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| ARW1-UP | | | | | Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air - Cab | 1 | 3E-7319 | - | - | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Air - Cab | 1 | 8C-9657 | - | - | Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 | Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - | Hydraulic | 1 | 4T-6915 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Hydraulic | 1 | 4T-4284 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - | Hydraulic | 1 | 178-0561 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic | 1 | 4T-4284 | - | - | Hydraulic - FR | 2 | 4T-3133 | - | - |
| Hydraulic | 1 | 178-0561 | - | - | DBC1-UP | | | | |
| Hydraulic | 1 | 4T-6915 | - | - | Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 | Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Hydraulic - FR | 2 | 4T-3133 | - | - | Air - Cab | 1 | 174-8145 | - | - |
| BET1-UP(Engine) | | | | | Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| CES1-UP | | | | | Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Wheel Tractor-Scrapers

623G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic | 1 | 4T-4284 | - | - |
| Hydraulic | 1 | 4T-6915 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| DBY1-UP(Scraper) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| LHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| M1R1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| TXG726-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

627B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 03N97021-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z25987-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 08Z7808-25986(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 14S-UP | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 14S1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 14S874-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| 15S-UP | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 15S1-UP | | | | |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 15S1188-UP | | | | |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |

Wheel Tractor-Scrapers

627B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 1RA1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 1SA1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 1TA1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 1XC1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 37V1-922(Scraper) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 37V1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Primary | 1 | 7W-7831 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 38V1-1294(Scraper) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 38V1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 70V22477-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

627E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z33294-UP(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Wheel Tractor-Scrapers

627E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 1SE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 1TE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 1WE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3GB1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 3JB1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 3WJ1-UP(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| Engine Oil | 1 | 2P-4004 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 6EB1-509 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 6EB1-523 | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 6EB1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| 6EB510-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6FB1-UP(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6GB1-597 | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 6GB1-616 | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 6GB1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |

Wheel Tractor-Scrapers

627E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 7W-5495 | - | - |
| Air Secondary | 1 | 1P-7360 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| 6GB598-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6HB1-UP(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Primary | 1 | 6I-2503 | - | 132-7165 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 6I-2504 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 70V22151-27198(Engine) | | | | |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| 70V27199-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 7CG1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 1 | 7W-5495 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 1P-7360 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| 7CG871-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| BET12000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| LHX14808-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Wheel Tractor-Scrapers

627F

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z72000-89611(Engine) | | | | |
| Engine Oil | 1 | 2P-4004 | - | - |
| 11N1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 1DL1-UP | | | | |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil | 1 | 272-1788 | 275-2604 | 244-4484 |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 1WE2000-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 3GB900-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 3JB500-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 41Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4RY489-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 4YK1-243(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 4YK1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

Wheel Tractor-Scrapers

627F (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| BET12057-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| LHX14808-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| R6J1-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| TXC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Filter | 1 | 108-5959 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

627G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 08Z1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 3GB1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 3JB1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 4ZF2708-12425(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 4ZF2708-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 6PY1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| AXF1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |

Wheel Tractor-Scrapers

627G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| AYK1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| BET1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| CEX1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| CEZ1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| CWK1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| DBD1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic - FR | 2 | 4T-3133 | - | - |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |

Wheel Tractor-Scrapers

627G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| DBZ1-UP(Scrapper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| DRX1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| M1R1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| THX1-131(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG726-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

631D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 1YA1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 24W1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 24W1644-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |

Wheel Tractor-Scrapers

631D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 24W1666-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| 48W3287-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 5XD1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 99C7615-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| LHX4254-26627(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG2557-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

631E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1AB1-1575 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| 1AB1-1639 | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 1AB1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| 1AB1446-UP | | | | |
| Hydraulic | 1 | 9T-6636 | 9T-6636 | 126-1816 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 1AB1576-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| 1AB1640-UP | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 1AB750-1639 | | | | |
| Fuel Primary | 1 | 7C-4949 | - | - |
| 3TE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

Wheel Tractor-Scrapers

631E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 48W1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 9PE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| RHX4513-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXH1564-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

631E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| 1AB1-1575 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| 1AB1-1639 | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 1AB1-855 | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 1AB1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Coolant | 1 | 435-5142 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| 1AB1446-UP | | | | |
| Hydraulic | 1 | 9T-6636 | 9T-6636 | 126-1816 |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 1AB1510-UP | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 1AB1576-UP | | | | |

Wheel Tractor-Scrapers

631E II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| 1AB1640-UP | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 1AB750-1639 | | | | |
| Fuel Primary | 1 | 7C-4949 | - | - |
| 1NB1-1389 | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 1NB1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| 1NB1390-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 1NB614-1389 | | | | |
| Fuel Primary | 1 | 7C-4949 | - | - |
| 3ND1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 7W-5313 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6N-6444 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0732 | 1R-0792 | 167-2009 |
| 3ND523-UP | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel Primary | 1 | 7C-4949 | - | - |
| 3TE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 48W1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 48W19968-UP(Engine) | | | | |
| Engine Oil | 2 | 2Y-8097 | - | - |
| 77M1-UP(Engine) | | | | |
| Engine Oil | 2 | 2Y-8097 | - | - |
| 8TA1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| 99C1-UP(Engine) | | | | |
| Engine Oil | 2 | 2Y-8097 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 9PE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| TXH1-UP(Engine) | | | | |

Wheel Tractor-Scrapers

631E II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

631G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 5XD1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 9PE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| AWK1-UP | | | | |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| CLR1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 174-8145 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-----------------------|----------|-------------|----------|-----------------------|
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| DFA1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |

Wheel Tractor-Scrapers

631G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| MWK1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| RHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXH1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

633D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 1VA1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 25W1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 25W547-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 25W579-702 | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| 48W3287-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 5XD1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 99C7615-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| LHX4254-26627(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG2557-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Wheel Tractor-Scrapers

633E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 2PS1-295 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 2PS1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 9PE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| RHX4513-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXH1564-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

637D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 03N97021-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 08Z7808-23720(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 08Z7808-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1MA1-UP(Transmission) | | | | |

Wheel Tractor-Scrapers

637D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Transmission | 1 | 343-4464 | - | - |
| 1NA1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 1PA1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 20W-UP(Scraper) | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 20W1-480(Scraper) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 20W1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 21W-UP(Scraper) | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 21W1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| Transmission | 1 | 343-4464 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 22W-UP(Scraper) | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 22W1-930(Scraper) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 22W1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 23W-UP(Scraper) | | | | |
| Fuel Primary | 1 | 7W-7831 | - | - |
| 23W1-881(Scraper) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 23W1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 26W1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |

Wheel Tractor-Scrapers

637D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 26W396-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 26W408-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| 27W1-UP | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 27W732-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 27W827-UP | | | | |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| 48W3287-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 4JB1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 4ZF1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| 4ZF17928-UP(Engine) | | | | |
| Fuel - FWS | 1 | 174-9570 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 5XD1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 5XD4018-UP(Engine) | | | | |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| 70W1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| 71W1-UP | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| 71W1-UP(Scraper) | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| 99C7615-UP(Engine) | | | | |
| Engine Oil | 2 | 2Y-8097 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| LHX4254-26627(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| THX10860-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXD4407-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |

Wheel Tractor-Scrapers

637D (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXG2557-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

637E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 08Z27183-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z63865-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 1FB1-354 | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 1FB1-531 | | | | |
| Fuel Primary | 1 | 8H-4681 | - | - |
| 1FB1-633 | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - |
| 1FB1-659 | | | | |
| Fuel | 1 | 4N-1981 | - | - |
| 1FB1-680 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 1FB1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| 1FB351-659 | | | | |
| Fuel Primary | 1 | 7C-4949 | - | - |
| 1FB571-UP | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - |
| 1FB634-UP | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| 1FB660-UP | | | | |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 1HB1-400(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1HB1-UP(Scraper) | | | | |

Wheel Tractor-Scrapers

637E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 1HB401-401(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 1HB402-403(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1HB404-404(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 1HB405-405(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1HB406-406(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 1HB407-407(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1HB408-409(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 1HB410-410(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1HB411-566(Scraper) | | | | |
| Air Secondary | 1 | 1P-8482 | - | - |
| 1HB411-682(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| 1HB505-UP(Scraper) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1HB567-682(Scraper) | | | | |
| Air Secondary | 1 | 6N-6444 | - | - |
| 1HB683-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| 1JB1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel | 1 | 4N-1981 | - | - |
| Fuel - FWS | 1 | 326-1641 | 326-1641 | - |
| Fuel Primary | 1 | 8H-4681 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| 1JB557-UP | | | | |
| Fuel Primary | 1 | 7C-4949 | - | - |
| 1LB1-637(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1LB1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1LB640-640(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |

Wheel Tractor-Scrapers

637E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1LB641-UP(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 3HB1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 3KB1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 3TE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 48W1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 7CB1-82(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 7CB1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 7CB151-UP(Scraper) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7CB169-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| 7CB83-168(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| 7CB83-93(Scraper) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 1P-8482 | - | - |
| 7CB94-168(Scraper) | | | | |
| Air Secondary | 1 | 6N-6444 | - | - |
| 8TA1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 9PE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| RHX4513-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| THX8773-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXH1-UP(Engine) | | | | |

Wheel Tractor-Scrapers

637E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------|----------|-------------|----------|-----------------------|----------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 | Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

637E II

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency | Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|----------------------------|----------|-------------|----------|-----------------------|
| 08Z27183-63864(Engine) | | | | | 1FB351-659 | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - | Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| 08Z27183-UP(Engine) | | | | | 1FB571-UP | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - | Fuel Primary | 1 | 7C-4949 | - | - |
| 08Z63865-UP(Engine) | | | | | 1FB634-UP | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - | Air - Recirculation | 1 | 121-2761 | - | - |
| 1FB1-354 | | | | | 1FB660-UP | | | | |
| Air - Recirculation | 1 | 121-2761 | - | - | Fuel - FWS | 1 | 133-5673 | - | - |
| 1FB1-633 | | | | | 1HB1-400(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - | Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary | 1 | 6N-6444 | - | - | Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1FB1-659 | | | | | 1HB1-UP(Scraper) | | | | |
| Fuel | 1 | 4N-1981 | - | - | Air Primary - Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Fuel Primary | 1 | 8H-4681 | - | - | Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 1FB1-680 | | | | | 1HB401-401(Scraper) | | | | |
| Coolant | 1 | 435-5142 | - | - | Air Primary | 1 | 7W-5313 | - | - |
| 1FB1-UP | | | | | 1HB401-401(Scraper) | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 | Air Secondary | 1 | 1P-8482 | - | - |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - | | | | | |
| Air Primary | 1 | 106-3969 | - | 132-7168 | | | | | |
| Air Secondary | 1 | 106-3973 | - | - | | | | | |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - | | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 | | | | | |
| Hydraulic | 1 | 4T-3132 | - | - | | | | | |

Wheel Tractor-Scrapers

637E II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 1HB402-403(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1HB404-404(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 1HB405-405(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1HB406-406(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 1HB407-407(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1HB408-409(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 1HB410-410(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 1HB411-566(Scraper) | | | | |
| Air Secondary | 1 | 1P-8482 | - | - |
| 1HB411-682(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| 1HB505-UP(Scraper) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 1HB567-682(Scraper) | | | | |
| Air Secondary | 1 | 6N-6444 | - | - |
| 1HB683-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| 3HB1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 3KB1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 6NC1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7CB1-82(Scraper) | | | | |
| Air Primary | 1 | 7W-5316 | - | - |
| Air Secondary - Axial Seal | 1 | 8N-6883 | - | - |
| 7CB1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| 7CB151-UP(Scraper) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 7CB169-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| 7CB83-168(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| 7CB83-93(Scraper) | | | | |
| Air Secondary | 1 | 1P-8482 | - | - |
| 7CB94-168(Scraper) | | | | |
| Air Secondary | 1 | 6N-6444 | - | - |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 9PE1-UP(Transmission) | | | | |

Wheel Tractor-Scrapers

637E II (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| RHX4513-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXH1564-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

637G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 3KB1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 4ZF2708-12425(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| 4ZF2708-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| 5XD1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 6NC17840-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 9PE1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| AWE1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| AXT1-UP | | | | |
| Air - Cab | 1 | 8C-9657 | - | - |
| Air - Cab | 1 | 3E-7319 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |

Wheel Tractor-Scrapers

637G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| AYN1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2507 | - | 132-7166 |
| Air Secondary - Axial Seal | 1 | 6I-2508 | - | - |
| CEH1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| CEJ1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| CEM1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| CWE1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| DEX1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| DEY1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-0273 | - | 122-1674 |
| Air Secondary - Axial Seal | 1 | 6I-0274 | - | - |
| DFJ1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic | 1 | 4T-3132 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 2 | 1R-0732 | 1R-0792 | 167-2009 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| MWK1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| R6J1-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| RHX1-UP(Engine) | | | | |

Wheel Tractor-Scrapers

637G (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| THX1-131(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| THX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXD1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 174-9570 | - | - |
| Fuel - FWS ADV | 1 | 326-1644 | 326-1644 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| TXH1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

639D

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 03N97021-UP(Engine) | | | | |
| Engine Oil | 1 | 1R-0739 | 1R-1807 | - |
| 08Z21390-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0750 | 1R-0750 | - |
| 08Z7808-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1807 | 1R-1807 | - |
| 2AA1-UP(Transmission) | | | | |
| Hydraulic | 1 | 4T-3131 | - | - |
| Hydraulic - ADV | 1 | 1R-0773 | 1R-0773 | 132-8875 |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 48W8989-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| 5XD1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 99C7615-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 99X1-UP | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

Wheel Tractor-Scrapers

651B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| 67K1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| 67K361-UP | | | | |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 80M1854-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| BNT10129-UP(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| BNT2500-10128(Engine) | | | | |
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| BNT2500-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| LHX4642-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| LHX4941-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

651E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 4VA1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4465 | - | - |
| 4YR1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary-Radial Seal | 2 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 2 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------|----------|-------------|----------|-----------------------|
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 4YR215-UP | | | | |
| Air - Charcoal | 3 | 141-7903 | - | 141-7903 |
| 5XR1-UP(Scraper) | | | | |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |

Wheel Tractor-Scrapers

651E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 73W3857-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 80M450-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 89Z1-125 | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| 89Z1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| Air Primary | 2 | 7W-5313 | - | - |
| Air Secondary | 2 | 1P-8482 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| BET12000-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| BJR555-UP(Transmission) | | | | |
| Transmission | 1 | 343-4465 | - | - |

657B

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| 2BA1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| 47M1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 53K1-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 68K1-UP | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| 68K664-UP | | | | |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| BET11036-UP(Engine) | | | | |

Wheel Tractor-Scrapers

657B (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| BNT10129-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| BNT2520-10128(Engine) | | | | |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|---------------------------|----------|-------------|----------|-----------------------|
| Engine Oil | 1 | 1R-0716 | 1R-1808 | 244-4484 |
| BNT2520-UP(Engine) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

657E

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|-------------------------------|----------|-------------|----------|-----------------------|
| 2ME1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| Transmission | 1 | 343-4464 | - | - |
| 48W15036-20403(Engine) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 48W15036-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 4VA1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4465 | - | - |
| 4YA1-UP(Transmission) | | | | |
| Hydraulic - Cartridge | 1 | 1R-0719 | 1R-0773 | 132-8875 |
| Hydraulic - FR | 1 | 4T-3131 | - | - |
| Power Train - UHE | 1 | 132-8875 | - | 132-8875 |
| 5YR1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary-Radial Seal | 2 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary - Axial Seal | 2 | 6I-2506 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 5YR304-UP | | | | |
| Air - Charcoal | 3 | 141-7903 | - | 141-7903 |
| 6MB1-167(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 6MB168-UP(Scraper) | | | | |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |

Wheel Tractor-Scrapers

657E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| 6MB70-UP(Scraper) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 6PR1-UP(Scraper) | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 6TR1-200 | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 6TR1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air - Recirculation | 1 | 121-2761 | - | - |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Primary-Radial Seal | 2 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 106-3973 | - | - |
| Air Secondary - Axial Seal | 2 | 6I-2506 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 6TR227-UP | | | | |
| Air - Charcoal | 3 | 141-7903 | - | 141-7903 |
| 73W3857-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 7KR1-215(Scraper) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 7KR1-UP(Scraper) | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| 7KR287-UP(Scraper) | | | | |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 80M1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| 86Z1-457(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Secondary | 1 | 1P-8482 | - | - |
| 86Z1-UP(Scraper) | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Primary-Radial Seal | 1 | 6I-2505 | - | 122-1675 |

Wheel Tractor-Scrapers

657E (Cont'd.)

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|----------------------------|----------|-------------|----------|-----------------------|
| Air Secondary | 1 | 6I-2510 | - | - |
| Air Secondary - Axial Seal | 1 | 6I-2506 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 86Z126-UP(Scraper) | | | | |
| Coolant | 1 | 435-5142 | - | - |
| 87Z1-UP(Scraper) | | | | |
| Air Primary | 1 | 7W-5313 | - | - |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 1P-8482 | - | - |
| Air Secondary | 1 | 6I-2510 | - | - |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| 90Z1-138 | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| 90Z1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air Primary | 2 | 7W-5313 | - | - |
| Air Secondary | 2 | 1P-8482 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------------|----------|-------------|----------|-----------------------|
| Fuel Secondary ADV | 1 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 91Z1-244 | | | | |
| Fuel | 1 | 8H-7204 | - | - |
| 91Z1-UP | | | | |
| Air - Cab | 3 | 7G-8116 | - | 141-7903 |
| Air - Cab Recirculation | 1 | 6T-9504 | - | - |
| Air Primary | 2 | 7W-5313 | - | - |
| Air Secondary | 2 | 1P-8482 | - | - |
| Coolant | 1 | 435-5142 | - | - |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel - FWS | 1 | 133-5673 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Fuel Secondary ADV | 2 | 1R-0749 | 1R-0749 | 416-1225 |
| Hydraulic | 2 | 3G-4621 | - | - |
| Hydraulic - Cartridge | 1 | 1R-0741 | - | 132-8876 |
| 99C1-UP(Engine) | | | | |
| Engine Oil - ADV | 2 | 1R-1808 | 1R-1808 | 244-4484 |
| BJR555-UP(Transmission) | | | | |
| Transmission | 1 | 343-4465 | - | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| RHX1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Oil - ADV | 2 | 249-2347 | - | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

Wheel Tractor-Scrapers

657G

Filter needs differ between machine arrangements. Filters for engines are listed separately from machine arrangements. Engine filters are designated by "(Engine)" following the model. Please review both machine and engine arrangements carefully before finalizing filter selection.

For additional Filter Upgrade information [please see, page 1035](#).

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|------------------------------|----------|-------------|----------|-----------------------|
| A4G1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 4 | 249-2337 | - | - |
| Hydraulic | 1 | 178-0561 | - | - |
| Hydraulic - ADV | 1 | 108-1153 | 108-1153 | 126-1817 |
| Hydraulic ADV | 1 | 9T-0973 | 9T-0973 | 126-1817 |
| DRM1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4465 | - | - |
| GER1-UP(Scrapper) | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| LHX1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| LMH1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4465 | - | - |
| PGE1-UP(Transmission) | | | | |
| Transmission | 1 | 343-4464 | - | - |
| RHX1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Oil - ADV | 2 | 249-2347 | - | - |
| TXG1-UP(Engine) | | | | |
| Engine Oil - ADV | 1 | 1R-1808 | 1R-1808 | 244-4484 |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |

| Description | Quantity | Part Number | Advanced | Ultra High Efficiency |
|--------------------------|----------|-------------|----------|-----------------------|
| TXH1-UP(Engine) | | | | |
| Fuel Secondary - ADV | 1 | 1R-0762 | 1R-0762 | - |
| Oil - ADV | 2 | 249-2347 | - | - |
| W1B1-168 | | | | |
| Hydraulic | 1 | 178-0561 | - | - |
| W1B1-UP | | | | |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 4 | 249-2337 | - | - |
| W1C1-317 | | | | |
| Hydraulic | 1 | 178-0561 | - | - |
| W1C1-UP | | | | |
| Air - Cab | 1 | 259-3222 | - | 266-7765 |
| Air - Cab | 1 | 266-7765 | - | 266-7765 |
| Air - Cab | 1 | 174-8145 | - | - |
| Air - Cab A/C | 1 | 119-3355 | - | 233-8359 |
| Air Primary | 1 | 106-3969 | - | 132-7168 |
| Air Secondary | 1 | 106-3973 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| Hydraulic | 4 | 249-2337 | - | - |
| W1E1-UP(Scrapper) | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |
| W1F1-UP(Scrapper) | | | | |
| Air Primary | 1 | 6I-2509 | - | 132-7167 |
| Air Secondary | 1 | 6I-2510 | - | - |
| Fuel - FWS | 1 | 326-1643 | 326-1643 | - |

Expanded Mining Fluid Recommendations

Hydraulic Shovels

| Hydraulic Shovels Fluid Recommendations for Ambient Temperatures(1) | | | | | | |
|---|--|----------------------------------|-----|-----|-----|-----|
| Compartment or System | Fluid Type and Performance Requirements | Fluids Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Hydraulic System | Cat Hydo Advanced | SAE 10W | -10 | 45 | 14 | 113 |
| | | SAE 20W | 0 | 55 | 32 | 131 |
| | | SAE 30 | 5 | 55 | 41 | 131 |
| Pump Distribution Gearbox Travel Gearbox and Swing Gearbox | Cat Compactor Oil | Synthetic, ISO 220 | -35 | 50 | -31 | 122 |
| Central Lubrication System (Bearings, Slew Rings, Track System) | Refer to Machine Owning and Operating Manual | | | | | |
| Idlers Track Rollers Support Rollers | (2) | | | | | |
| Electric Drive Motor Bearings | Cat Utility Grease | NLGI 2 | -30 | 40 | -22 | 104 |

(1) Refer to publication Fluid Specifications HMS for more details, to request contact BucyHEX-Dokumentation@cat.com

(2) Components are pre-lubricated at the factory with a lifetime lubricant. For inquires on recommended fluid in the event of a component rebuild, please contact HMS product support or your local DPSC.

Electric Rope Shovels

| Electric Rope Shovels Fluid Recommendations for Ambient Temperatures | | | | | | |
|--|---|----------------------------------|--------|-----|--------|-----|
| Compartment or System | Fluid Type and Performance Requirements | Fluids Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Open Gear Lube Reservoir (Open Gears, Roller Paths, Bushings, Dipper Handle, Crowd Take-Up) A1, A2, B1, B2 Systems | Cat Open Gear Lubricant | OGL Cold Weather | -40 | 10 | -40 | 50 |
| | | OGL Warm Weather | -7 | 50 | 20 | 122 |
| Multi-Purpose Grease Reservoir (Rolling Element Bearings) C1, C2 Systems | Cat Extreme Application Grease | NLGI 0 | No min | -12 | No min | 10 |
| | | NLGI 1 | -18 | 16 | 0 | 61 |
| | Cat Extreme Application Grease-Desert | NLGI 2 | 0 | 16 | 32 | 61 |
| Electric Motor, Hoist Motor, Propel Motor, Crowd Motor and Swing Motor | Refer to OEM Recommendations | | | | | |
| Air Compressors All Brands | Refer to OEM Recommendations | | | | | |
| Couplings | Refer to OEM Recommendations | | | | | |
| HydraCrowd(1) | Cat HYDO Advanced 10 | 10W | 0 | 50 | 32 | 122 |
| | Cat TDTO Cold Weather | 0W-20 | -40 | 40 | -40 | 104 |
| Crowd Take-up Power Unit and Boarding Stairs Hydraulic Units | Cat TDTO Cold Weather | 0W-20 | -40 | 40 | -40 | 104 |
| Hoist Gearcases, Swing Gearcases, Crowd Gearcases, Auxiliary Winch and HydraCrowd Pump Drive Transmission Gearcase except 7295 Shovels | Refer to OEM Recommendations | | | | | |
| Hoist Gearcases, Swing Gearcases, Crowd Gearcases for 7295 Shovels | Refer to OEM Recommendations | | | | | |
| Propel Gearcases for all models | Refer to OEM Recommendations | | | | | |

(1) For compatibility with contamination monitors, this oil must be clear to very light amber, with no dyes or dark color additives

Expanded Mining Fluid Recommendations

Dragline

| Dragline Fluid Recommendations for Ambient Temperatures | | | | | | |
|--|---------------------------------------|-------------------------------|--------|-----|--------|-----|
| Compartment or System | Oil Type and Performance Requirements | Oil Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Open Gear Lube Reservoir | Cat Open Gear Lubricant | OGL Cold Weather | -40 | 10 | -40 | 50 |
| | | OGL Warm Weather | -7 | 49 | 20 | 120 |
| Multi-Purpose Grease Reservoir (Rolling Element Bearings) | Cat Extreme Application Grease | NLGI 0 | No Min | -12 | No Min | 10 |
| | | NLGI 1 | -18 | 16 | 0 | 61 |
| | | NLGI 2 | 0 | 16 | 32 | 61 |
| | Cat Extreme Application Grease-Desert | NGLI 2 | 0 | 40 | 32 | 104 |
| Parallel Shaft Swing Gearcases, Hoist/Drag Gearcase and Propel Gearcases | Refer to OEM Recommendations | | | | | |
| Planetary Hoist Helper Drive Gearcase, Swing planetary gearcase | Refer to OEM Recommendations | | | | | |
| Walking Cam Mechanism for models 7850, 8200 and 8750 | Cat Open Gear Lubricant | OGL Cold Weather | -40 | 10 | -40 | 50 |
| | | OGL Warm Weather | -7 | 49 | 20 | 120 |
| Monigham Style Walking Mechanism for Bucyrus models 1370W and 1570W | Refer to OEM Recommendations | | | | | |
| Cam & Slide Walking Mechanism for Bucyrus model 2570W | Refer to OEM Recommendations | | | | | |
| Couplings | Refer to OEM Recommendations | | | | | |
| Air Compressors - Sullair branded | Refer to OEM Recommendations | | | | | |
| Air Compressors - Quincy branded | Refer to OEM Recommendations | | | | | |
| Air Compressors - Other brands | Refer to OEM Recommendations | | | | | |

Rotary Drills

| Rotary Drills Fluid Recommendations for Ambient Temperatures | | | | | | |
|---|---------------------------------------|-------------------------------|-----|-----|-----|-----|
| Compartment or System | Oil Type and Performance Requirements | Oil Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Hydraulic System | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 |
| | Cat Hydo Advanced | SAE 10W(1) | -20 | 40 | -4 | 113 |
| | | SAE 20(2) | -5 | 45 | 23 | 113 |
| | | SAE 30 | 0 | 50 | 32 | 122 |
| Rotary Head, Propel Left, Propel Right, Pump Drive, Pull Down, Cable Reel and Winch | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO (Gear Oil) | SAE 80W-90 | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| DC Motors: MD Series | Refer to OEM Recommendations | | | | | |
| Electric Motors: Rotary Pull Down, Main Drive | Refer to OEM Recommendations | | | | | |
| Cable Reel Rollers | Cat Utility Grease | Low Loads, NLGI 2 MPG | -30 | 40 | -22 | 104 |
| Cable Reel Drive Chain | Refer to OEM Recommendations | | | | | |
| Guide Rollers | Cat Utility Grease | NLGI 2 MPG | -30 | 40 | -22 | 104 |
| Central Grease System, Sheaves, Bearings | Cat Extreme Application Grease | Cold Weather, NLGI 0 | -40 | 35 | -40 | 95 |
| | | High Loads, NLGI 2 | -30 | 50 | -22 | 122 |
| | Cat Prime Application Grease | Medium Loads, NLGI 2 | -20 | 40 | -4 | 104 |
| | Cat Utility Grease | Low Loads, NLGI 2 MPG | -30 | 40 | -22 | 104 |
| Undercarriage - Bearings, Idlers | Cat Prime Application Grease | Low Loads, NLGI 2 MPG | -30 | 40 | -22 | 104 |
| | | Medium Loads, NLGI 2 | -20 | 40 | -4 | 104 |
| | Cat Extreme Application Grease | Cold Weather, NLGI 0 | -40 | 35 | -40 | 95 |
| | | High Loads, NLGI 2 | -30 | 50 | -22 | 122 |

Expanded Mining Fluid Recommendations

Rotary Drills (Cont'd.)

| Rotary Drills Fluid Recommendations for Ambient Temperatures | | | | | | |
|--|---------------------------------------|-------------------------------|-----|-----|-----|-----|
| Compartment or System | Oil Type and Performance Requirements | Oil Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Air Compressors Sullair branded | Refer to OEM Recommendations | | | | | |
| Air Compressors Leroi Branded | Refer to OEM Recommendations | | | | | |
| (1) factory fill for hydraulic track | | | | | | |
| (2) factory fill for Rotary drill and rotary blasthole | | | | | | |

Track Drills

| Track Drills Fluid Recommendations for Ambient Temperatures | | | | | | |
|--|--|-------------------------------|-----|-----|-----|-----|
| Compartment or System | Oil Type and Performance Requirements | Oil Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Hydraulic System (Percussion Drills) | Refer to OEM Recommendations | | | | | |
| Propel Left planetary final drive, Propel Right planetary final drive, Pump Drive gear box, Rock Drill Feed Planetary, Swing Drive Planetary (swing drive available only on MD5050T) | Cat Synthetic GO | SAE 75W-140 | -30 | 45 | -22 | 113 |
| | Cat GO (Gear Oil) | SAE 80W-90 | -20 | 40 | -4 | 104 |
| | | SAE 85W-140 | -10 | 50 | 14 | 122 |
| Central Grease System, Bearings | Cat Extreme Application Grease | Cold Weather, NLGI 0 | -40 | 35 | -40 | 95 |
| | | High Loads, NLGI 2 | -30 | 50 | -22 | 122 |
| | Cat Prime Application Grease | Medium Loads, NLGI 2 | -20 | 40 | -4 | 104 |
| | Cat Utility Grease | Low Loads, NLGI 2 MPG | -30 | 40 | -22 | 104 |
| Undercarriage - Bearings, Idlers | Cat Prime Application Grease | Low Loads, NLGI 2 MPG | -30 | 40 | -22 | 104 |
| | | Medium Loads, NLGI 2 | -20 | 40 | -4 | 104 |
| | Cat Extreme Application Grease | Cold Weather, NLGI 0 | -40 | 35 | -40 | 95 |
| | | High Loads, NLGI 2 | -30 | 50 | -22 | 122 |
| Percussion Drill Grease(3) | Refer to Machine Owning and Operating Manual | | | | | |
| Air Compressors Gardner Denver branded | Refer to OEM Recommendations | | | | | |
| Air Compressors Tamrotor Branded | Refer to OEM Recommendations | | | | | |
| (1) factory fill for hydraulic track | | | | | | |
| (2) factory fill for Rotary drill and rotary blasthole | | | | | | |
| (3) The recommended product is Isipoly PG55. Refer to your Cat dealer for availability and information | | | | | | |

Unit Rig™ Mining Truck

| Unit Rig Mining Truck Recommendations for Ambient Temperatures | | | | | | |
|--|---------------------------------------|-------------------------------|-----|-----|-----|-----|
| Compartment or System | Oil Type and Performance Requirements | Oil Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Front Wheel Bearings (Grease Lubricated) | Cat Extreme Application Grease | NLGI 2 | -20 | 40 | -4 | 104 |
| | Cat Prime Application Grease | NLGI 2 | -30 | 50 | -22 | 122 |
| Front Wheel Bearings (Oil Lubricated) | Refer to OEM Recommendations | | | | | |
| | Cat Compactor Oil | Synthetic, ISO 220 | -37 | 25 | -35 | 77 |
| Hydraulic Systems for MT4400D and MT5300D Models | Cat TDTO | SAE 10W | -20 | 50 | -4 | 122 |
| Hydraulic System for all models except D Series | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 40 | -40 | 104 |
| | | SAE 10W | -20 | 40 | -4 | 113 |
| | Cat Hydo Advanced | SAE 20W | -5 | 45 | 23 | 113 |
| | | SAE 30 | 0 | 50 | 32 | 122 |
| Final Drive / Wheel Motors for MT4400D and MT5300D Models | Cat FDAO | SAE 60 | -10 | 50 | 14 | 122 |

Expanded Mining Fluid Recommendations

Unit Rig™ Mining Truck (Cont'd.)

| Unit Rig Mining Truck Recommendations for Ambient Temperatures | | | | | | |
|--|---------------------------------------|-------------------------------|----------------------------|-----|-----|-----|
| Compartment or System | Oil Type and Performance Requirements | Oil Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| | Cat FDAO SYN | FDAO SYN | -10 | 50 | 14 | 122 |
| Final Drive / Wheel Motors for all models except D Series | Refer to OEM Recommendations | | | | | |
| Automatic Grease System | Cat Extreme Application Grease-Arctic | NLGI 0.5 | -50 | 20 | -58 | 68 |
| | Cat Extreme Application Grease | NLGI 1 | -35 | 40 | -31 | 104 |
| | | NLGI 2 | -30 | 50 | -22 | 122 |
| | Cat Prime Application Grease | NLGI 2 | -20 | 40 | -4 | 104 |
| Suspension, Front and Rear | Cat ATF HD2 | | For all temperature ranges | | | |

Continuous Miner

| Continuous Miner Fluid Recommendations for Ambient Temperatures | | | | | | |
|---|--|-------------------------------|----------------------------|-----|-----|-----|
| Compartment or System | Oil Type and Performance Requirements | Oil Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Hydraulics | Cat HYDO Advanced | SAE 20 | 0 | 50 | 32 | 122 |
| Gearbox | Cat Compactor Oil | ISO 220 | For all temperature ranges | | | |
| Grease points for Pins and Bushings | Cat Prime Application Grease | NLGI 2 | 0 | 50 | 32 | 122 |
| | Cat Extreme Application Grease-Arctic (Semi-Synthetic) | NLGI 0, Arctic Platinum | -50 | 0 | -58 | 32 |
| Electrical Motors | Cat Ball Bearing Grease | NLGI 2 | For all temperature ranges | | | |

Roof Support

| Roof Support Carrier, Load Haul Dump, Face Haulage Fluid Recommendations for Ambient Temperatures | | | | | | |
|---|--|-------------------------------|----------------------------|--------|-----|--------|
| Compartment or System | Oil Type and Performance Requirements | Oil Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Transmission | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -20 | 0 | -4 | 32 |
| | | SAE 30 | 0 | 32 | 32 | 90 |
| | | SAE 50 | 32 | No Max | 90 | No Max |
| Hydraulic with Integral Wet Brakes | Refer to Machine Owning and Operating Manual | | | | | |
| Hydraulic System | Cat Hydro Advanced | SAE 20 | 0 | 50 | 32 | 122 |
| Gear Box and Wet Brake | Refer to Machine Owning and Operating Manual | | | | | |
| Axle, Wheel Ends | Cat Gear Oil | SAE 80W-90 | For all temperature ranges | | | |
| Winch Gearbox, Winch Planetary (1) | Cat Compactor Oil | ISO 220 | For all temperature ranges | | | |
| Drop Box (2) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -20 | 0 | -4 | 32 |
| | | SAE 30 | 0 | 32 | 32 | 90 |
| | | SAE 50 | 32 | | 90 | |
| Brake Flushing (3) | Cat TDTO | SAE 10W | For all temperature ranges | | | |
| Grease points for Drive Line, Pins, Bushings, Door Hinges, Tow Pin, Differential Pinion Oil Seal | Cat Extreme Application Grease-Arctic (Semi-Synthetic) | NLGI 0 | -50 | 0 | -58 | 32 |
| | Cat Prime Application Grease | NLGI 2 | 0 | 50 | 32 | 122 |
| Engine Drive Coupling (4) | Cat Ball Bearing Grease | NLGI 2 | For all temperature ranges | | | |
| (1) Applicable to Shield Haulers only | | | | | | |
| (2) Applicable to Machines Fitted with the C7 engine package only | | | | | | |

Expanded Mining Fluid Recommendations

Roof Support (Cont'd.)

| Roof Support Carrier, Load Haul Dump, Face Haulage Fluid Recommendations for Ambient Temperatures | | | | | | |
|---|---------------------------------------|-------------------------------|-----|-----|-----|-----|
| Compartment or System | Oil Type and Performance Requirements | Oil Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| (3) Applicable to Coal Haulers only | | | | | | |
| (4) Applicable to Machines fitted with the 3126 engine package only | | | | | | |

| Engine Coolant Recommendations for Ambient Temperatures | | | | | | |
|---|---|---------------------|-----|--------|-----|--------|
| Compartment or System | Coolant Type and Performance Requirements | Coolant Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Hydraulic Mining Shovels Fluid Rotary Drills and Track Drills Unit Rig Mining Truck | Cat ELC | 50% Glycol | -37 | No max | -34 | No max |
| | Cat DEAC | 60% Glycol | -52 | No max | -62 | No max |

Expanded Mining Cross Reference

Belts

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Hydraulic | 348799 | 077-3058 |
| Hydraulic | DBT348799 | 077-3058 |
| Hydraulic | 355288 | 4T-6788 |
| Hydraulic | DBT355288 | 4T-6788 |

Continuous Miner

| Continuous Miner Fluid Recommendations for Ambient Temperatures | | | | | | |
|---|--|-------------------------------|----------------------------|-----|-----|-----|
| Compartment or System | Oil Type and Performance Requirements | Oil Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Hydraulics | Cat HYDO Advanced | SAE 20 | 0 | 50 | 32 | 122 |
| Gearbox | Cat Compactor Oil | ISO 220 | For all temperature ranges | | | |
| Grease points for Pins and Bushings | Cat Prime Application Grease | NLGI 2 | 0 | 50 | 32 | 122 |
| | Cat Extreme Application Grease-Arctic (Semi-Synthetic) | NLGI 0, Arctic Platinum | -50 | 0 | -58 | 32 |
| Electrical Motors | Cat Ball Bearing Grease | NLGI 2 | For all temperature ranges | | | |

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Breather | 289060 | 430-1937 |
| Breather | 335532 | 430-1951 |
| Breather | 335534 | 430-1952 |
| Breather | 604970 | 418-2010 |
| Breather | J-483393 | 9G-5127 |
| Breather | J-C483393MK001 | 9G-5127 |
| Breather | LA-483393 | 9G-5127 |
| Breather | 172902 | 9G-5127 |
| Hydraulic | 383997 | 419-1031 |
| Hydraulic | DBT383997 | 419-1031 |
| Hydraulic | US383997 | 419-1031 |
| Hydraulic | 841822 | 419-1041 |
| Hydraulic | 904410 | 421-8135 |
| Hydraulic | 640432 | 421-8144 |
| Hydraulic | LA-F150209 | 421-8144 |
| Hydraulic | 203587 | 417-6188 |
| Hydraulic | J-565G313MK002 | 417-6188 |
| Hydraulic | 604952 | 417-6190 |
| Hydraulic | 327444 | 417-6829 |
| Hydraulic | DBT327444 | 417-6829 |
| Hydraulic | 604959 | 417-6831 |
| Hydraulic | 905892 | 417-6833 |
| Hydraulic | 167582 | 417-6835 |
| Hydraulic | J-165D502MK002 | 417-6835 |
| Hydraulic | J-442579 | 417-6835 |
| Hydraulic | LA-442579 | 417-6835 |

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Hydraulic | 320451 | 417-6836 |
| Hydraulic | J-466933 | 417-6836 |
| Hydraulic | Z320451 | 417-6836 |
| Hydraulic | 384385 | 417-6837 |
| Hydraulic | DBT384385 | 417-6837 |
| Hydraulic | US384385 | 417-6837 |
| Hydraulic | 905399 | 417-6838 |
| Hydraulic | 904411 | 417-7919 |
| Hydraulic | 167636 | 417-7920 |
| Hydraulic | 295503 | 417-7920 |
| Hydraulic | E-49310731 | 417-7920 |
| Hydraulic | LA-464739 | 417-7920 |
| Hydraulic | 295244 | 419-1019 |
| Hydraulic | E-49311155 | 419-1019 |
| Hydraulic | 619994 | 419-1020 |
| Hydraulic | 619724 | 419-1021 |
| Hydraulic | 175470 | 419-1022 |
| Hydraulic | J-499509 | 419-1022 |
| Hydraulic | J-564G280MK002 | 419-1022 |
| Hydraulic | 329694 | 419-1024 |
| Hydraulic | DBT329694 | 419-1024 |
| Hydraulic | 295614 | 419-1028 |
| Hydraulic | E-49307655 | 419-1028 |
| Hydraulic | 906693 | 419-1029 |
| Hydraulic | 385046 | 419-1030 |

Expanded Mining Cross Reference

Continuous Miner (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Hydraulic | DBT385046 | 419-1030 |
| Hydraulic | 355792 | 419-1033 |
| Hydraulic | DBT355792 | 419-1033 |
| Hydraulic | 324680 | 419-1034 |
| Hydraulic | DBT324680 | 419-1034 |
| Hydraulic | 305454 | 419-1045 |
| Hydraulic | A49310901 | 419-1045 |
| Hydraulic | E-49310901 | 419-1045 |
| Hydraulic | 356329 | 419-1046 |
| Hydraulic | DBT356329 | 419-1046 |
| Hydraulic | Z356329 | 419-1046 |

| Description | Bucyrus Part Number | Cat Part Number |
|------------------|---------------------|-----------------|
| Hydraulic | 646562 | 7R-4568 |
| Hydraulic | ZP164594 | 7R-4568 |
| Hydraulic Filter | 637842 | 420-1695 |
| Hydraulic Filter | 640433 | 421-9006 |
| Hydraulic Filter | 637787 | 421-9009 |
| Hydraulic Filter | 1564962 | 430-1859 |
| Hydraulic Filter | 356325 | 430-1955 |
| Hydraulic Filter | 512710 | 430-1988 |
| Hydraulic Filter | 516630 | 430-1988 |
| Hydraulic Filter | 646563 | 430-2018 |

Drills

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Air | 439442 | 246-8445 |
| Air | T439442 | 246-8445 |
| Air | 1002186 | 246-8445 |
| Air | 1157641 | 397-8544 |
| Air | 319376 | 397-8544 |
| Air | H1157641 | 397-8544 |
| Air | PR1157641 | 397-8544 |
| Air | T319376 | 397-8544 |
| Air | Y1157641 | 397-8544 |
| Air | HV005340 | 417-7949 |
| Air | TV005340 | 417-7949 |
| Air | V005340 | 417-7949 |
| Air | HV005339 | 417-7952 |
| Air | TV005339 | 417-7952 |
| Air | V005339 | 417-7952 |
| Air | 013997 | 068-7744 |
| Air | PRV004096 | 068-7744 |
| Air | PRV013997 | 068-7744 |
| Air | TV004096 | 068-7744 |
| Air | TV013997 | 068-7744 |
| Air | V004096 | 068-7744 |
| Air | V013997 | 068-7744 |
| Air | 85799 | 078-0070 |
| Air | T85799 | 078-0070 |
| Air | 1037270 | 081-3923 |
| Air | 2010508 | 081-3923 |
| Air | 355697 | 081-3923 |
| Air | H2010508 | 081-3923 |
| Air | PR2010508 | 081-3923 |
| Air | Q98695.6 REV- | 081-3923 |

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Air | T355697 | 081-3923 |
| Air | 2010699 | 081-3957 |
| Air | 349053 | 081-3957 |
| Air | H2010699 | 081-3957 |
| Air | PR2010699 | 081-3957 |
| Air | T349053 | 081-3957 |
| Air | 62051473 | 106-3969 |
| Air | G62051473 | 106-3969 |
| Air | 62051474 | 106-3973 |
| Air | G62051474 | 106-3973 |
| Air | 62046586 | 110-6326 |
| Air | G62046586 | 110-6326 |
| Air | 1123323 | 110-6331 |
| Air | 62038434 | 110-6331 |
| Air | G62038434 | 110-6331 |
| Air | 1032198 | 142-1339 |
| Air | TV014660 | 142-1339 |
| Air | TV014801 | 142-1339 |
| Air | V014801 | 142-1339 |
| Air | PRV011829 | 142-1340 |
| Air | TV011829 | 142-1340 |
| Air | V011829 | 142-1340 |
| Air | PRV011830 | 142-1403 |
| Air | TV011830 | 142-1403 |
| Air | V011830 | 142-1403 |
| Air | TV014802 | 142-1404 |
| Air | V014802 | 142-1404 |
| Air | BT1030214 | 146-7472 |
| Air | GBT1030214 | 146-7472 |
| Air | PRV011618 | 146-7472 |

Expanded Mining Cross Reference

Drills (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|-------------|---------------------|-----------------|
| Air | TV011618 | 146-7472 | Air | PRV009230 | 397-8540 |
| Air | V011618 | 146-7472 | Air | TV009230 | 397-8540 |
| Air | 45906 | 1N-4864 | Air | V009230 | 397-8540 |
| Air | 62026782 | 1N-4864 | Air | YV009230 | 397-8540 |
| Air | A045906 | 1N-4864 | Air | 1049445 | 397-8541 |
| Air | G62026782 | 1N-4864 | Air | 1156422 | 397-8541 |
| Air | H0045906 | 1N-4864 | Air | 355171 | 397-8541 |
| Air | PR0045906 | 1N-4864 | Air | H1156422 | 397-8541 |
| Air | T45906 | 1N-4864 | Air | PR1156422 | 397-8541 |
| Air | 65320 | 1W-3636 | Air | T355171 | 397-8541 |
| Air | H0065320 | 1W-3636 | Air | Y1156422 | 397-8541 |
| Air | PR0065320 | 1W-3636 | Air | 1037752 | 397-8542 |
| Air | T65320 | 1W-3636 | Air | 1451949 | 397-8542 |
| Air | Y0065320 | 1W-3636 | Air | 5880011 | 397-8542 |
| Air | HV007531 | 251-5885 | Air | 89853 | 397-8542 |
| Air | PRV007531 | 251-5885 | Air | H5880011 | 397-8542 |
| Air | TV007531 | 251-5885 | Air | PR0089853 | 397-8542 |
| Air | V007531 | 251-5885 | Air | T89853 | 397-8542 |
| Air | YV007531 | 251-5885 | Air | Y0089853 | 397-8542 |
| Air | 65322 | 251-5886 | Air | 1035848 | 397-8543 |
| Air | H0065322 | 251-5886 | Air | 1405631 | 397-8543 |
| Air | PR0065322 | 251-5886 | Air | 326669 | 397-8543 |
| Air | T65322 | 251-5886 | Air | H1405631 | 397-8543 |
| Air | Y0065322 | 251-5886 | Air | PR1405631 | 397-8543 |
| Air | 439790 | 267-3005 | Air | T326669 | 397-8543 |
| Air | BT1002470 | 267-3005 | Air | Y1405631 | 397-8543 |
| Air | GBT1002470 | 267-3005 | Air | 438944 | 419-9162 |
| Air | T439790 | 267-3005 | Air | BT1001654 | 419-9162 |
| Air | 1037260 | 397-8538 | Air | GBT1001654 | 419-9162 |
| Air | 1112689 | 397-8538 | Air | PR438944 | 419-9162 |
| Air | 1156421 | 397-8538 | Air | T438944 | 419-9162 |
| Air | 355170 | 397-8538 | Air | 1471202 | 5W-3402 |
| Air | 62016040 | 397-8538 | Air | HM1074347 | 5W-3402 |
| Air | G62016040 | 397-8538 | Air | M1074347 | 5W-3402 |
| Air | H1156421 | 397-8538 | Air | 314761 | 6L-8485 |
| Air | PR1156421 | 397-8538 | Air | HY407162 | 6L-8485 |
| Air | T355170 | 397-8538 | Air | PRY407162 | 6L-8485 |
| Air | Y1156421 | 397-8538 | Air | T314761 | 6L-8485 |
| Air | 1005979 | 397-8539 | Air | Y407162 | 6L-8485 |
| Air | 1351044 | 397-8539 | Air | 43490 | 6N-6064 |
| Air | 45907 | 397-8539 | Air | PR0043490 | 6N-6064 |
| Air | 75025253 | 397-8539 | Air | T43490 | 6N-6064 |
| Air | A045907 | 397-8539 | Air | 43534 | 6N-6072 |
| Air | G75025253 | 397-8539 | Air | 43535 | 6N-6072 |
| Air | H0045907 | 397-8539 | Air | T43535 | 6N-6072 |
| Air | PR0045907 | 397-8539 | Air | GS008662 | 8N-2556 |
| Air | T45907 | 397-8539 | Air | S008662 | 8N-2556 |
| Air | 1028715 | 397-8540 | Air | GS008645 | 8N-6309 |
| Air | HV009230 | 397-8540 | Air | S008645 | 8N-6309 |

Expanded Mining Cross Reference

Drills (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Air | 1113593 | 8T-6288 |
| Air | 1126409 | 8T-6288 |
| Air | 1139588 | 8T-6288 |
| Air | 62018907 | 8T-6288 |
| Air | 62042751 | 8T-6288 |
| Air | 62300688 | 8T-6288 |
| Air | G62018907 | 8T-6288 |
| Air | G62042751 | 8T-6288 |
| Air | G62300688 | 8T-6288 |
| Air | 1139586 | 8T-6289 |
| Air | 62300687 | 8T-6289 |
| Air | G62300687 | 8T-6289 |
| Air | 99563 | 8T-7462 |
| Air | H0099563 | 8T-7462 |
| Air | PR99563 | 8T-7462 |
| Air | T99563 | 8T-7462 |
| Air | TV006577 | 8T-7462 |
| Air | V006577 | 8T-7462 |
| Air | 99564 | 8T-7463 |
| Air | H0099564 | 8T-7463 |
| Air | PR99564 | 8T-7463 |
| Air | T99564 | 8T-7463 |
| Air | TV014803 | 8T-7463 |
| Air | V014803 | 8T-7463 |
| Air | 62027302 | 9Y-7663 |
| Air | G62027302 | 9Y-7663 |
| Air | HV007530 | 9Y-7663 |
| Air | PRV007530 | 9Y-7663 |
| Air | TV007530 | 9Y-7663 |
| Air | V007530 | 9Y-7663 |
| Air | YV007530 | 9Y-7663 |
| Air | 1026551 | 068-7744 |
| Air | 1031782 | 068-7744 |
| Air | 1012493 | 078-0070 |
| Air | 1036958 | 081-3957 |
| Air | 1133111 | 106-3969 |
| Air | 1133112 | 106-3973 |
| Air | 1129386 | 110-6326 |
| Air | 1572274 | 110-6326 |
| Air | 1032287 | 142-1339 |
| Air | 1030383 | 142-1340 |
| Air | 1030384 | 142-1403 |
| Air | 1032288 | 142-1404 |
| Air | 1030214 | 146-7472 |
| Air | 1005978 | 1N-4864 |
| Air | 1116317 | 1N-4864 |
| Air | 1009808 | 1W-3636 |
| Air | 1027939 | 251-5885 |
| Air | 1009810 | 251-5886 |

| Description | Bucyrus Part Number | Cat Part Number |
|-------------------|---------------------|-----------------|
| Air | 1002470 | 267-3005 |
| Air | 1001654 | 419-9162 |
| Air | 1035093 | 6L-8485 |
| Air | 998144 | 6N-6064 |
| Air | 998529 | 6N-6072 |
| Air | 1402399 | 8N-2556 |
| Air | 1402384 | 8N-6309 |
| Air | 1015235 | 8T-7462 |
| Air | 1514479 | 8T-7462 |
| Air | 4057051 | 8T-7462 |
| Air | 1015236 | 8T-7463 |
| Air | 1032289 | 8T-7463 |
| Air | 4057052 | 8T-7463 |
| Air | 1027938 | 9Y-7663 |
| Air | 1116622 | 9Y-7663 |
| Air Filter | 1035479 | 397-8544 |
| Air Filter | 1027028 | 417-7949 |
| Air Filter | 1027027 | 417-7952 |
| Air Filter | 983464 | 418-8146 |
| Air Filter | 1030776 | 421-6535 |
| Air Filter | 4057672 | 430-1261 |
| Air Filter | 1031783 | 430-1704 |
| Air Filter | 1471066 | 430-1838 |
| Air Filter | 1471201 | 430-1848 |
| Air Oil Separator | 1024054 | 417-6342 |
| Air Oil Separator | 1029379 | 417-6342 |
| Air Oil Separator | 1059985 | 417-6342 |
| Air Oil Separator | 1024055 | 417-6343 |
| Air Oil Separator | 1029380 | 417-6343 |
| Air Oil Separator | 1059984 | 417-6343 |
| Air Oil Separator | 1133212 | 419-1086 |
| Air Oil Separator | 974817 | 419-1086 |
| Breather | 1008196 | 417-6181 |
| Breather | 57311 | 417-6181 |
| Breather | H0057311 | 417-6181 |
| Breather | PR0057311 | 417-6181 |
| Breather | T57311 | 417-6181 |
| Breather | 1008009 | 098-0255 |
| Breather | 56385 | 098-0255 |
| Breather | H0056385 | 098-0255 |
| Breather | PR0056385 | 098-0255 |
| Breather | T56385 | 098-0255 |
| Breather | TV012069 | 191-2541 |
| Breather | V012069 | 191-2541 |
| Breather | 1030558 | 191-2541 |
| Compressor | 1414285 | 246-5009 |
| Compressor | GS039671 | 246-5009 |
| Compressor | S039671 | 246-5009 |

Expanded Mining Cross Reference

Drills (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-------------------|---------------------|-----------------|-------------|---------------------|-----------------|
| Compressor | 1414286 | 246-5010 | Fuel | S008644 | 134-6307 |
| Compressor | GS039672 | 246-5010 | Fuel | 45487 | 1R-0749 |
| Compressor | S039672 | 246-5010 | Fuel | H0045487 | 1R-0749 |
| Coolant | PRV007586 | 435-5142* | Fuel | PR0045487 | 1R-0749 |
| Coolant | TV007586 | 435-5142* | Fuel | T45487 | 1R-0749 |
| Coolant | V007586 | 435-5142* | Fuel | HV001775 | 1R-0751 |
| Coolant | 1012676 | 435-5142* | Fuel | PRV001775 | 1R-0751 |
| Coolant | 86777 | 435-5142* | Fuel | TV001775 | 1R-0751 |
| Coolant | 88249 | 435-5142* | Fuel | V001775 | 1R-0751 |
| Coolant | GS008641 | 435-5142* | Fuel | YV001775 | 1R-0751 |
| Coolant | H0088249 | 435-5142* | Fuel | GS008643 | 1R-0755 |
| Coolant | PR88249 | 435-5142* | Fuel | HV013569 | 1R-0755 |
| Coolant | S008641 | 435-5142* | Fuel | PRV013569 | 1R-0755 |
| Coolant | T86777 | 435-5142* | Fuel | S008643 | 1R-0755 |
| Coolant | T88249 | 435-5142* | Fuel | TV013569 | 1R-0755 |
| Coolant | TV015251 | 435-5142* | Fuel | V013569 | 1R-0755 |
| Coolant | V015251 | 435-5142* | Fuel | HV012937 | 1R-0762 |
| Coolant | 88250 | 435-5142* | Fuel | PRV012937 | 1R-0762 |
| Coolant | H0088250 | 435-5142* | Fuel | TV012937 | 1R-0762 |
| Coolant | PR0088250 | 435-5142* | Fuel | V012937 | 1R-0762 |
| Coolant | T88250 | 435-5142* | Fuel | YV012937 | 1R-0762 |
| Coolant | 1029529 | 435-5142* | Fuel | 426335 | 396-1239 |
| Coolant | TV010730 | 435-5142* | Fuel | 426336 | 396-1239 |
| Coolant | V010730 | 435-5142* | Fuel | 989817 | 396-1239 |
| Coolant | 1027971 | 435-5142* | Fuel | H0426336 | 396-1239 |
| Coolant | 1013056 | 435-5142* | Fuel | T426336 | 396-1239 |
| Coolant | 1402380 | 435-5142* | Fuel | Y0426336 | 396-1239 |
| Coolant | 1592055 | 435-5142* | Fuel | 1634999 | 396-1249 |
| Coolant | 1013057 | 435-5142* | Fuel | 45488 | 9M-2342 |
| Engine Oil Filter | 1031545 | 415-2443 | Fuel | H0045488 | 9M-2342 |
| Engine Oil Filter | 972397 | 417-6346 | Fuel | PR0045488 | 9M-2342 |
| Engine Oil Filter | 1031547 | 418-2004 | Fuel | T45488 | 9M-2342 |
| Engine Oil Filter | 1037261 | 419-1077 | Fuel | 1402383 | 134-6307 |
| Engine Oil Filter | 1631090 | 449-0223 | Fuel | 1005868 | 1R-0749 |
| Fuel | 1032632 | 396-1244 | Fuel | 1025931 | 1R-0751 |
| Fuel | 1635021 | 396-1244 | Fuel | 1031641 | 1R-0755 |
| Fuel | PRV015444 | 396-1244 | Fuel | 1402382 | 1R-0755 |
| Fuel | TV015444 | 396-1244 | Fuel | 1031343 | 1R-0762 |
| Fuel | V015444 | 396-1244 | Fuel | 1005869 | 9M-2342 |
| Fuel | 1031546 | 415-2436 | Fuel Filter | 1030761 | 418-0548 |
| Fuel | BT1031546 | 415-2436 | Fuel/Water | 1032286 | 418-0551 |
| Fuel | GBT1031546 | 415-2436 | Fuel/Water | PRV014004 | 111-0716 |
| Fuel | PRV013298 | 415-2436 | Fuel/Water | TV014004 | 111-0716 |
| Fuel | TV013298 | 415-2436 | Fuel/Water | V014004 | 111-0716 |
| Fuel | V013298 | 415-2436 | Fuel/Water | 1311812 | 131-1812 |
| Fuel | TV014800 | 418-0551 | Fuel/Water | H1311812 | 131-1812 |
| Fuel | V014800 | 418-0551 | Fuel/Water | HV007584 | 133-5673 |
| Fuel | GS008644 | 134-6307 | Fuel/Water | PRV007584 | 133-5673 |
| | | | Fuel/Water | TV007584 | 133-5673 |

Expanded Mining Cross Reference

Drills (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-----------------------------|---------------------|-----------------|-------------|---------------------|-----------------|
| Fuel/Water | V007584 | 133-5673 | Hydraulic | G46202812 | 144-0832 |
| Fuel/Water | YV007584 | 133-5673 | Hydraulic | 1031705 | 417-6166 |
| Fuel/Water | 434237 | 134-6307 | Hydraulic | HV013828 | 417-6166 |
| Fuel/Water | BT1031598 | 134-6307 | Hydraulic | PRV013828 | 417-6166 |
| Fuel/Water | BT997536 | 134-6307 | Hydraulic | TV013828 | 417-6166 |
| Fuel/Water | GBT1031598 | 134-6307 | Hydraulic | V013828 | 417-6166 |
| Fuel/Water | GBT997536 | 134-6307 | Hydraulic | 1007502 | 419-1040 |
| Fuel/Water | PR434237 | 134-6307 | Hydraulic | 53200 | 419-1040 |
| Fuel/Water | PRV013426 | 134-6307 | Hydraulic | H0053200 | 419-1040 |
| Fuel/Water | T434237 | 134-6307 | Hydraulic | PR0053200 | 419-1040 |
| Fuel/Water | TV013426 | 134-6307 | Hydraulic | T53200 | 419-1040 |
| Fuel/Water | V013426 | 134-6307 | Hydraulic | 1082780 | 421-8131 |
| Fuel/Water | TV010878 | 256-8753 | Hydraulic | 46204746 | 421-8131 |
| Fuel/Water | V010878 | 256-8753 | Hydraulic | G46204746 | 421-8131 |
| Fuel/Water | HV012938 | 326-1643 | Hydraulic | 1082788 | 421-8132 |
| Fuel/Water | PRV012938 | 326-1643 | Hydraulic | 46204762 | 421-8132 |
| Fuel/Water | PRV015359 | 326-1643 | Hydraulic | G46204762 | 421-8132 |
| Fuel/Water | TV012938 | 326-1643 | Hydraulic | 1406113 | 421-8134 |
| Fuel/Water | TV015359 | 326-1643 | Hydraulic | GS023257 | 421-8134 |
| Fuel/Water | V012938 | 326-1643 | Hydraulic | S023257 | 421-8134 |
| Fuel/Water | V015359 | 326-1643 | Hydraulic | 1009655 | 421-8140 |
| Fuel/Water | YV012938 | 326-1643 | Hydraulic | 64653 | 421-8140 |
| Fuel/Water | 1029335 | 396-1258 | Hydraulic | T64653 | 421-8140 |
| Fuel/Water | 1121566 | 396-1258 | Hydraulic | 1037620 | 417-6172 |
| Fuel/Water | 62035989 | 396-1258 | Hydraulic | 14038811 | 417-6172 |
| Fuel/Water | G62035989 | 396-1258 | Hydraulic | 1403881-1 | 417-6172 |
| Fuel/Water | HV010520 | 396-1258 | Hydraulic | 63447 | 417-6172 |
| Fuel/Water | TV010520 | 396-1258 | Hydraulic | H1403881-1 | 417-6172 |
| Fuel/Water | V010520 | 396-1258 | Hydraulic | PR14038811 | 417-6172 |
| Fuel/Water | YV010520 | 396-1258 | Hydraulic | T63447 | 417-6172 |
| Fuel/Water | 45489 | 8N-9803 | Hydraulic | 1004121 | 417-6176 |
| Fuel/Water | T45489 | 8N-9803 | Hydraulic | 1029786 | 417-6176 |
| Fuel/Water | 1031788 | 111-0716 | Hydraulic | 441760 | 417-6176 |
| Fuel/Water | 1470759 | 131-1812 | Hydraulic | BT1004121 | 417-6176 |
| Fuel/Water | 1027970 | 133-5673 | Hydraulic | GBT1004121 | 417-6176 |
| Fuel/Water | 1031598 | 134-6307 | Hydraulic | H0441760 | 417-6176 |
| Fuel/Water | 997536 | 134-6307 | Hydraulic | PR441760 | 417-6176 |
| Fuel/Water | 1470772 | 145-4501 | Hydraulic | T441760 | 417-6176 |
| Fuel/Water | 1029550 | 256-8753 | Hydraulic | Y0441760 | 417-6176 |
| Fuel/Water | 1031344 | 326-1643 | Hydraulic | 1004122 | 417-6177 |
| Fuel/Water | 1032554 | 326-1643 | Hydraulic | 1029785 | 417-6177 |
| Fuel/Water | 1005870 | 8N-9803 | Hydraulic | 441761 | 417-6177 |
| Fuel/Water Separator Filter | 1411554 | 421-4191 | Hydraulic | BT1004122 | 417-6177 |
| Hydraulic | 1082757 | 144-0832 | Hydraulic | BT1029785 | 417-6177 |
| Hydraulic | 46202812 | 144-0832 | | | |

Expanded Mining Cross Reference

Drills (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|------------------|---------------------|-----------------|
| Hydraulic | GBT1004122 | 417-6177 | Hydraulic | T401857 | 417-6200 |
| Hydraulic | GBT1029785 | 417-6177 | Hydraulic | Y0401857 | 417-6200 |
| Hydraulic | H0441761 | 417-6177 | Hydraulic | 428085 | 417-6201 |
| Hydraulic | HV011135 | 417-6177 | Hydraulic | 991603 | 417-6201 |
| Hydraulic | PR441761 | 417-6177 | Hydraulic | H0428085 | 417-6201 |
| Hydraulic | T441761 | 417-6177 | Hydraulic | PR428085 | 417-6201 |
| Hydraulic | TV011135 | 417-6177 | Hydraulic | T428085 | 417-6201 |
| Hydraulic | V011135 | 417-6177 | Hydraulic | Y0428085 | 417-6201 |
| Hydraulic | Y0441761 | 417-6177 | Hydraulic | 1066173 | 419-1027 |
| Hydraulic | 1409261 | 417-6183 | Hydraulic | 99739 | 419-1027 |
| Hydraulic | GS029377 | 417-6183 | Hydraulic | 1117462 | 054-1719 |
| Hydraulic | S029377 | 417-6183 | Hydraulic | 62028695 | 054-1719 |
| Hydraulic | 1037151 | 417-6187 | Hydraulic | G62028695 | 054-1719 |
| Hydraulic | 353448 | 417-6187 | Hydraulic | 1036881 | 077-3492 |
| Hydraulic | 5842033 | 417-6187 | Hydraulic | 1398551 | 077-3492 |
| Hydraulic | H5842033 | 417-6187 | Hydraulic | 1754666 | 077-3492 |
| Hydraulic | PR5842033 | 417-6187 | Hydraulic | 1754667 | 077-3492 |
| Hydraulic | T353448 | 417-6187 | Hydraulic | 347432 | 077-3492 |
| Hydraulic | 1032090 | 417-6188 | Hydraulic | 347433 | 077-3492 |
| Hydraulic | HV014527 | 417-6188 | Hydraulic | GPS3072-51 | 077-3492 |
| Hydraulic | PRV014527 | 417-6188 | Hydraulic | H1754666 | 077-3492 |
| Hydraulic | TV014527 | 417-6188 | Hydraulic | H1754667 | 077-3492 |
| Hydraulic | V014527 | 417-6188 | Hydraulic | PR0347433 | 077-3492 |
| Hydraulic | 1082776 | 417-6191 | Hydraulic | PS3072-51 | 077-3492 |
| Hydraulic | 46204742 | 417-6191 | Hydraulic | T347432 | 077-3492 |
| Hydraulic | G46204742 | 417-6191 | Hydraulic | T347433 | 077-3492 |
| Hydraulic | 1013097 | 417-6198 | Hydraulic | 1G8878 | 1G-8878 |
| Hydraulic | 88594 | 417-6198 | Hydraulic | H1G8878 | 1G-8878 |
| Hydraulic | BT1013097 | 417-6198 | Hydraulic | 424555 | 5E-5754 |
| Hydraulic | GBT1013097 | 417-6198 | Hydraulic | BT988332 | 5E-5754 |
| Hydraulic | H0088594 | 417-6198 | Hydraulic | GBT988332 | 5E-5754 |
| Hydraulic | PR0088594 | 417-6198 | Hydraulic | H0424555 | 5E-5754 |
| Hydraulic | T88594 | 417-6198 | Hydraulic | PR424555 | 5E-5754 |
| Hydraulic | Y0088594 | 417-6198 | Hydraulic | T424555 | 5E-5754 |
| Hydraulic | 1010287 | 417-6199 | Hydraulic | 1012784 | 9U-6983 |
| Hydraulic | 67496 | 417-6199 | Hydraulic | 87153 | 9U-6983 |
| Hydraulic | H0067496 | 417-6199 | Hydraulic | T87153 | 9U-6983 |
| Hydraulic | PR0067496 | 417-6199 | Hydraulic | 1036882 | 077-3492 |
| Hydraulic | T67496 | 417-6199 | Hydraulic | 1470775 | 1G-8878 |
| Hydraulic | Y0067496 | 417-6199 | Hydraulic | 988332 | 5E-5754 |
| Hydraulic | 401857 | 417-6200 | Hydraulic Filter | 1031704 | 417-6168 |
| Hydraulic | 975205 | 417-6200 | Hydraulic Filter | 1012268 | 417-6347 |
| Hydraulic | H0401857 | 417-6200 | Hydraulic Filter | 1470792 | 417-6347 |
| Hydraulic | PR0401857 | 417-6200 | Hydraulic Filter | 1036860 | 418-2006 |

Expanded Mining Cross Reference

Drills (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|------------------|---------------------|-----------------|-------------|---------------------|-----------------|
| Hydraulic Filter | 1035659 | 419-1092 | Lube | HY1R0739 | 1R-0739 |
| Hydraulic Filter | 1037747 | 421-8989 | Lube | T313116 | 1R-0739 |
| Hydraulic Filter | 1129392 | 421-8989 | Lube | Y1R0739 | 1R-0739 |
| Hydraulic Filter | 1133211 | 421-8989 | Lube | HV012941 | 1R-1808 |
| Hydraulic Filter | 1414299 | 421-8989 | Lube | PRV012941 | 1R-1808 |
| Hydraulic Filter | 1120847 | 421-8990 | Lube | TV012941 | 1R-1808 |
| Hydraulic Filter | 1121390 | 421-8990 | Lube | V012941 | 1R-1808 |
| Hydraulic Filter | 978215 | 421-9008 | Lube | YV012941 | 1R-1808 |
| Hydraulic Filter | 1471762 | 421-9027 | Lube | GS008642 | 275-2604 |
| Hydraulic Filter | 1030955 | 430-1700 | Lube | S008642 | 275-2604 |
| Hydraulic Filter | 1082787 | 430-1733 | Lube | 1032634 | 396-1253 |
| Hydraulic Filter | 1117975 | 430-1749 | Lube | TV015446 | 396-1253 |
| Lube | 1030760 | 418-0550 | Lube | V015446 | 396-1253 |
| Lube | 1032282 | 418-0550 | Lube | 1029336 | 396-1255 |
| Lube | PRV012280 | 418-0550 | Lube | 1128290 | 396-1255 |
| Lube | TV012280 | 418-0550 | Lube | 1635000 | 396-1255 |
| Lube | TV014796 | 418-0550 | Lube | 62045042 | 396-1255 |
| Lube | V012280 | 418-0550 | Lube | G62045042 | 396-1255 |
| Lube | V014796 | 418-0550 | Lube | HV010521 | 396-1255 |
| Lube | 1027272 | 1R-0714 | Lube | TV010521 | 396-1255 |
| Lube | HV005873 | 1R-0714 | Lube | V010521 | 396-1255 |
| Lube | TV005873 | 1R-0714 | Lube | YV010521 | 396-1255 |
| Lube | 1R0716 | 1R-0716 | Lube | 86775-050 | 8T-3912 |
| Lube | 45495 | 1R-0716 | Lube | T86775-050 | 8T-3912 |
| Lube | H0045495 | 1R-0716 | Lube | 1005871 | 1R-0716 |
| Lube | H1R0716 | 1R-0716 | Lube | 1470779 | 1R-0716 |
| Lube | PR0045495 | 1R-0716 | Lube | 1034997 | 1R-0739 |
| Lube | T45495 | 1R-0716 | Lube | 1031347 | 1R-1808 |
| Lube | Y0045495 | 1R-0716 | Lube | 1402381 | 275-2604 |
| Lube | 313116 | 1R-0739 | Lube | 1012675 | 8T-3912 |

* 435-5142 is a non-pelleted Coolant filter and will require dosing with liquid SCA if using a Cat DEAC or another conventional Coolant. Please refer to media PEHJ0448 located in the Coolant section of this book.

Electric Rope Shovels

| Electric Rope Shovels Fluid Recommendations for Ambient Temperatures | | | | | | |
|--|---|----------------------------------|--------|-----|--------|-----|
| Compartment or System | Fluid Type and Performance Requirements | Fluids Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Open Gear Lube Reservoir (Open Gears, Roller Paths, Bushings, Dipper Handle, Crowd Take-Up) A1, A2, B1, B2 Systems | Cat Open Gear Lubricant | OGL Cold Weather | -40 | 10 | -40 | 50 |
| | | OGL Warm Weather | -7 | 50 | 20 | 122 |
| Multi-Purpose Grease Reservoir (Rolling Element Bearings) C1, C2 Systems | Cat Extreme Application Grease | NLGI 0 | No min | -12 | No min | 10 |
| | | NLGI 1 | -18 | 16 | 0 | 61 |
| | | NLGI 2 | 0 | 16 | 32 | 61 |
| | Cat Extreme Application Grease-Desert | NLGI 2 | 0 | 40 | 32 | 104 |
| Electric Motor, Hoist Motor, Propel Motor, Crowd Motor and Swing Motor | Refer to OEM Recommendations | | | | | |

Expanded Mining Cross Reference

Electric Rope Shovels (Cont'd.)

| Electric Rope Shovels Fluid Recommendations for Ambient Temperatures | | | | | | |
|--|---|----------------------------------|-----|-----|-----|-----|
| Compartment or System | Fluid Type and Performance Requirements | Fluids Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Air Compressors All Brands | Refer to OEM Recommendations | | | | | |
| Couplings | Refer to OEM Recommendations | | | | | |
| HydraCrowd(1) | Cat HYDO Advanced 10 | 10W | 0 | 50 | 32 | 122 |
| | Cat TDTO Cold Weather | 0W-20 | -40 | 40 | -40 | 104 |
| Crowd Take-up Power Unit and Boarding StAirs Hydraulic Units | Cat TDTO Cold Weather | 0W-20 | -40 | 40 | -40 | 104 |
| Hoist Gearcases, Swing Gearcases, Crowd Gearcases, Auxiliary Winch and HydraCrowd Pump Drive Transmission Gearcase except 7295 Shovels | Refer to OEM Recommendations | | | | | |
| Hoist Gearcases, Swing Gearcases, Crowd Gearcases for 7295 Shovels | Refer to OEM Recommendations | | | | | |
| Propel Gearcases for all models | Refer to OEM Recommendations | | | | | |

(1)For compatibility with contamination monitors, this oil must be clear to very light amber, with no dyes or dark color additives

| Description | Bucyrus Part Number | Cat Part Number |
|-------------------|---------------------|-----------------|
| Air | 1116486 | 068-7744 |
| Air | 62027080 | 068-7744 |
| Air | G62027080 | 068-7744 |
| Air | 1123322 | 110-6326 |
| Air | 62038433 | 110-6326 |
| Air | G62038433 | 110-6326 |
| Air | 1124761 | 397-8539 |
| Air | 62040600 | 397-8539 |
| Air | G62040600 | 397-8539 |
| Air Filter | 1131828 | 422-6933 |
| Air Filter | 1081120 | 430-0939 |
| Air Oil Separator | 1132378 | 417-6343 |
| Hydraulic | 62044500 | 417-6408 |
| Hydraulic | G62044500 | 417-6408 |
| Hydraulic | 1132513 | 9U-6983 |
| Hydraulic | 1409329 | 9U-6983 |
| Hydraulic | 62050237 | 9U-6983 |
| Hydraulic | G62050237 | 9U-6983 |
| Hydraulic | GS029465 | 9U-6983 |

| Description | Bucyrus Part Number | Cat Part Number |
|------------------|---------------------|-----------------|
| Hydraulic | S029465 | 9U-6983 |
| Hydraulic | 1120730 | 077-3492 |
| Hydraulic | 62034618 | 077-3492 |
| Hydraulic | G62034618 | 077-3492 |
| Hydraulic | 1123670 | 9U-6982 |
| Hydraulic | 1125761 | 9U-6982 |
| Hydraulic | 62038999 | 9U-6982 |
| Hydraulic | 62041836 | 9U-6982 |
| Hydraulic | G62038999 | 9U-6982 |
| Hydraulic | G62041836 | 9U-6982 |
| Hydraulic Filter | 1483818 | 417-6259 |
| Hydraulic Filter | 1080414 | 417-6260 |
| Hydraulic Filter | 1127241 | 417-6347 |
| Hydraulic Filter | 1130353 | 417-6347 |
| Hydraulic Filter | 1127971 | 417-6408 |
| Hydraulic Filter | 1114700 | 430-1742 |
| Hydraulic Filter | 1506537 | 430-1857 |

Highwall Miners

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Air | 130-0402 | 417-6830 |
| Air | 4207421 | 417-6830 |
| Air | 470-0038 | 417-6395 |
| Air | 4209144 | 417-6399 |
| Air | 470-0122 | 417-6399 |

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Air | 470-0049 | 417-6400 |
| Air | 470-0202 | 146-7472 |
| Air | HM470-0202 | 146-7472 |
| Air | 470-1513 | 1W-3636 |
| Air | HM470-1513 | 1W-3636 |

Expanded Mining Cross Reference

Highwall Miners (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-------------------|---------------------|-----------------|------------------|---------------------|-----------------|
| Air | 470-0102 | 231-0167 | Fuel/Water | 4209133 | 396-4595 |
| Air | HM470-0102 | 231-0167 | Fuel/Water | 470-0103 | 396-4595 |
| Air | 470-1510 | 251-5885 | Fuel/Water | 4053937 | 396-4599 |
| Air | 470-1516 | 251-5885 | Fuel/Water | 470-0145 | 396-4599 |
| Air | HM470-1510 | 251-5885 | Fuel/Water | PR470-0145 | 396-4599 |
| Air | HM470-1516 | 251-5885 | Hydraulic | 470-3122 | 417-6408 |
| Air | 470-1514 | 251-5886 | Hydraulic | 895044 | 421-8142 |
| Air | HM470-1514 | 251-5886 | Hydraulic | 0000 000 417 00 11 | 421-8144 |
| Air | 500-0032 | 8T-7462 | Hydraulic | 351360 | 421-8144 |
| Air | HM500-0032 | 8T-7462 | Hydraulic | 420-0009 | 417-6183 |
| Air | 470-1511 | 9Y-7663 | Hydraulic | 4208942 | 417-6183 |
| Air | 470-1517 | 9Y-7663 | Hydraulic | 420-0005 | 417-6185 |
| Air | HM470-1511 | 9Y-7663 | Hydraulic | 4106193 | 417-6186 |
| Air | HM470-1517 | 9Y-7663 | Hydraulic | 420-0006 | 417-6186 |
| Air | 4209163 | 146-7472 | Hydraulic | 420-0078 | 417-6186 |
| Air | 4209208 | 1W-3636 | Hydraulic | 4208978 | 417-6186 |
| Air | 4209132 | 231-0167 | Hydraulic | PR420-0006 | 417-6186 |
| Air | 4209206 | 251-5885 | Hydraulic | 420-0010 | 417-6195 |
| Air | 4209211 | 251-5885 | Hydraulic | 4208943 | 417-6195 |
| Air | 4209209 | 251-5886 | Hydraulic | 616322 | 419-1020 |
| Air | 4210336 | 8T-7462 | Hydraulic | 0000 008 392 05 59 | 419-1026 |
| Air | 4209207 | 9Y-7663 | Hydraulic | 286622 | 419-1026 |
| Air | 4209212 | 9Y-7663 | Hydraulic | 0000 000 416 59 41 | 419-1035 |
| Air Filter | 4209108 | 417-6395 | Hydraulic | 128360 | 419-1035 |
| Air Filter | 4209116 | 417-6400 | Hydraulic | 0000 000 416 56 76 | 419-1042 |
| Breather | 4210868 | 417-7954 | Hydraulic | 0000 000 417 00 13 | 419-1042 |
| Breather | 310-0013 | 417-6181 | Hydraulic | 128352 | 419-1042 |
| Breather | 4208271 | 417-6181 | Hydraulic | 351495 | 419-1042 |
| Breather | 420-0046 | 417-6834 | Hydraulic Filter | 4209217 | 417-6408 |
| Breather | 900-6382 | 417-7954 | Hydraulic Filter | 767390 | 430-2051 |
| Engine Oil Filter | 470-0505 | 418-0549 | Hydraulic Filter | 767391 | 430-2052 |
| Engine Oil Filter | 4209164 | 418-1988 | Lube | 4053935 | 417-6411 |
| Engine Oil Filter | 470-0203 | 418-1988 | Lube | 470-0143 | 417-6411 |
| Engine Oil Filter | 4209139 | 418-2039 | Lube | PR470-0143 | 417-6411 |
| Fuel | 4209204 | 396-1244 | Lube | 470-0113 | 418-2039 |
| Fuel | 470-1508 | 396-1244 | Lube | 470-0034 | 1W-8845 |
| Fuel | 470-0506 | 418-0546 | Lube | HM470-0034 | 1W-8845 |
| Fuel | 4053936 | 396-4598 | Lube | 4209145 | 396-4596 |
| Fuel | 470-0144 | 396-4598 | Lube | 470-0124 | 396-4596 |
| Fuel | PR470-0144 | 396-4598 | Lube | 4209202 | 396-4606 |
| Fuel | 4209137 | 396-4609 | Lube | 470-1506 | 396-4606 |
| Fuel | 4209165 | 396-4609 | Lube | 4209131 | 396-4610 |
| Fuel | 470-0111 | 396-4609 | Lube | 470-0101 | 396-4610 |
| Fuel | 470-0204 | 396-4609 | Lube | 470-0033 | 8T-3912 |
| Fuel/Water | 4209205 | 396-1249 | Lube | HM470-0033 | 8T-3912 |
| Fuel/Water | 470-1509 | 396-1249 | | | |
| Fuel/Water | 4209105 | 396-1258 | | | |
| Fuel/Water | 470-0035 | 396-1258 | | | |

Expanded Mining Cross Reference

Highwall Miners (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|-------------|---------------------|-----------------|
| Lube | 4209104 | 1W-8845 | Water | 4208941 | 417-6175 |
| Lube | 4209103 | 8T-3912 | Water | 420-0007 | 417-6193 |
| Water | 420-0008 | 417-6175 | Water | 4208940 | 417-6193 |

Hydraulic Mining Shovels

| Hydraulic Shovels Fluid Recommendations for Ambient Temperatures(1) | | | | | | |
|---|--|----------------------------------|-----|-----|-----|-----|
| Compartment or System | Fluid Type and Performance Requirements | Fluids Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Hydraulic System | Cat Hydo Advanced | SAE 10W | -10 | 45 | 14 | 113 |
| | | SAE 20W | 0 | 55 | 32 | 131 |
| | | SAE 30 | 5 | 55 | 41 | 131 |
| Pump Distribution Gearbox Travel Gearbox and Swing Gearbox | Cat Compactor Oil | Synthetic, ISO 220 | -35 | 50 | -31 | 122 |
| Central Lubrication System (Bearings, Slew Rings, Track System) | Refer to Machine Owning and Operating Manual | | | | | |
| Idlers Track Rollers Support Rollers | (2) | | | | | |
| Electric Drive Motor Bearings | Cat Utility Grease | NLGI 2 | -30 | 40 | -22 | 104 |

(1) Refer to publication Fluid Specifications HMS for more details, to request contact BucyHEX-Dokumentation@cat.com

(2) Components are pre-lubricated at the factory with a lifetime lubricant. For inquires on recommended fluid in the event of a component rebuild, please contact HMS product support or your local DPSC.

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Air | 1451712 | 122-6616 |
| Air | 1522172 | 122-6616 |
| Air | 2479829 | 122-6616 |
| Air | N2479829 | 122-6616 |
| Air | PR2479829 | 122-6616 |
| Air | Y2479829 | 122-6616 |
| Air | 3713191 | 254-3566 |
| Air | N3713191 | 254-3566 |
| Air | 4026189 | 254-3566 |
| Air | 4238027 | 251-5885 |
| Air | 4238031 | 277-7838 |
| Air | 4238032 | 292-5862 |
| Air | 8406386 | 417-6398 |
| Air | 1454626 | 417-6401 |
| Air | 1499347 | 417-6401 |
| Air | 1520885 | 417-6401 |
| Air | N1499347 | 417-6401 |
| Air | PR1499347 | 417-6401 |
| Air | Y1499347 | 417-6401 |
| Air | 4238052 | 9Y-7663 |
| Air | 0718024 | 081-3957 |
| Air | N0718024 | 081-3957 |
| Air | PR0718024 | 081-3957 |

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Air | Y0718024 | 081-3957 |
| Air | 6000043 | 123-2367 |
| Air | N6000043 | 123-2367 |
| Air | PR6000043 | 123-2367 |
| Air | Y6000043 | 123-2367 |
| Air | 1471159 | 142-1340 |
| Air | N1471159 | 142-1340 |
| Air | 1471158 | 142-1403 |
| Air | N1471158 | 142-1403 |
| Air | 1413767 | 1N-4864 |
| Air | N1413767 | 1N-4864 |
| Air | Y1413767 | 1N-4864 |
| Air | 6004210 | 246-5009 |
| Air | Y6004210 | 246-5009 |
| Air | 6004211 | 246-5010 |
| Air | Y6004211 | 246-5010 |
| Air | 1460601 | 397-8539 |
| Air | 8479485 | 397-8539 |
| Air | N8479485 | 397-8539 |
| Air | 4212647 | 6C-9226 |
| Air | 8030856 | 6C-9226 |
| Air | 1466317 | 081-3957 |
| Air | 1452658 | 123-2367 |

Expanded Mining Cross Reference

Hydraulic Mining Shovels (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|-----------------------------|---------------------|-----------------|
| Air | 4017273 | 142-1340 | Fuel/Water | N1478371 | 256-8753 |
| Air | 4017272 | 142-1403 | Fuel/Water | PR1478371 | 256-8753 |
| Air | 1466273 | 1N-4864 | Fuel/Water | 6002703 | 326-1643 |
| Air | 4066799 | 246-5009 | Fuel/Water | N6002703 | 326-1643 |
| Air | 4066798 | 246-5010 | Fuel/Water | PR6002703 | 326-1643 |
| Air Filter | 0046594 | 078-0070 | Fuel/Water | 1466257 | 396-1258 |
| Air Filter | 4013728 | 078-0070 | Fuel/Water | 1479996 | 396-1258 |
| Air Filter | 1415064 | 417-6391 | Fuel/Water | 3743350 | 396-1258 |
| Air Filter | 1453010 | 417-6391 | Fuel/Water | 4245057 | 396-1258 |
| Air Filter | 4245074 | 417-6398 | Fuel/Water | N1479996 | 396-1258 |
| Air Filter | 1433798 | 418-0554 | Fuel/Water | 1419132 | 396-4600 |
| Air Filter | 1460600 | 418-0554 | Fuel/Water | 4016104 | 396-4600 |
| Air Filter | 1433799 | 418-2003 | Fuel/Water | N1419132 | 396-4600 |
| Air Filter | 1454757 | 418-2003 | Fuel/Water | 4027488 | 396-4605 |
| Air Filter | 1469775 | 423-5935 | Fuel/Water | 6002142 | 396-4605 |
| Air Filter | 3731203 | 423-5936 | Fuel/Water | N6002142 | 396-4605 |
| Breather | A060020 | 4H-6112 | Fuel/Water | 4017542 | 256-8753 |
| Breather | PRA060020 | 4H-6112 | Fuel/Water | 4027690 | 326-1643 |
| Breather | 4057254 | 4H-6112 | Fuel/Water | 4058356 | 421-4191 |
| Fuel | 1451385 | 396-1244 | Fuel/Water Separator Filter | | |
| Fuel | 1465728 | 396-1244 | Hydraulic | 1409828 | 417-6203 |
| Fuel | 6003198 | 396-1244 | Hydraulic | 1466271 | 417-6203 |
| Fuel | N6003198 | 396-1244 | Hydraulic | N1409828 | 417-6203 |
| Fuel | 4027138 | 417-6217 | Hydraulic | PR1409828 | 417-6203 |
| Fuel | 6001228 | 417-6217 | Hydraulic | Y1409828 | 417-6203 |
| Fuel | N6001228 | 417-6217 | Hydraulic | 1425534 | 417-6204 |
| Fuel | 0014529 | 418-0552 | Hydraulic | 1454628 | 417-6204 |
| Fuel | 4013679 | 418-0552 | Hydraulic | N1425534 | 417-6204 |
| Fuel | N0014529 | 418-0552 | Hydraulic | PR1425534 | 417-6204 |
| Fuel | 1466256 | 396-1258 | Hydraulic | S072556 | 417-6204 |
| Fuel | 6002702 | 1R-0749 | Hydraulic | Y1425534 | 417-6204 |
| Fuel | N6002702 | 1R-0749 | Hydraulic | 1454697 | 417-6205 |
| Fuel | PR6002702 | 1R-0749 | Hydraulic | 1479948 | 417-6205 |
| Fuel | 6003117 | 1R-0755 | Hydraulic | 1523971 | 417-6205 |
| Fuel | N6003117 | 1R-0755 | Hydraulic | N1479948 | 417-6205 |
| Fuel | PR6003117 | 1R-0755 | Hydraulic | PR1479948 | 417-6205 |
| Fuel | 1451384 | 396-1249 | Hydraulic | Y1479948 | 417-6205 |
| Fuel | 4027675 | 396-1249 | Hydraulic | 1451845 | 417-6206 |
| Fuel | 6002678 | 396-1249 | Hydraulic | 6001435 | 417-6206 |
| Fuel | N6002678 | 396-1249 | Hydraulic | N6001435 | 417-6206 |
| Fuel | PR6002678 | 396-1249 | Hydraulic | PR6001435 | 417-6206 |
| Fuel | 1466254 | 396-4609 | Hydraulic | Y6001435 | 417-6206 |
| Fuel | X13240-015 | 396-4609 | Hydraulic | 1451566 | 417-6207 |
| Fuel | YX13240-015 | 396-4609 | Hydraulic | 3702238 | 417-6207 |
| Fuel | 4027689 | 1R-0749 | Hydraulic | N3702238 | 417-6207 |
| Fuel | 4027862 | 1R-0755 | | | |
| Fuel/Water | 4212627 | 417-6215 | | | |
| Fuel/Water | 8029603 | 417-6215 | | | |
| Fuel/Water | 1478371 | 256-8753 | | | |

Expanded Mining Cross Reference

Hydraulic Mining Shovels (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|------------------|---------------------|-----------------|
| Hydraulic | PR3702238 | 417-6207 | Hydraulic | 1466270 | 426-4859 |
| Hydraulic | Y3702238 | 417-6207 | Hydraulic | N1408692 | 426-4859 |
| Hydraulic | 1466251 | 417-6209 | Hydraulic | PR1408692 | 426-4859 |
| Hydraulic | 3702209 | 417-6209 | Hydraulic | S027334 | 426-4859 |
| Hydraulic | N3702209 | 417-6209 | Hydraulic | Y1408692 | 426-4859 |
| Hydraulic | PR3702209 | 417-6209 | Hydraulic | 2452336 | 426-4860 |
| Hydraulic | Y3702209 | 417-6209 | Hydraulic | N2452336 | 426-4860 |
| Hydraulic | 1466252 | 417-6210 | Hydraulic | PR2452336 | 426-4860 |
| Hydraulic | 3678607 | 417-6210 | Hydraulic | Y2452336 | 426-4860 |
| Hydraulic | N3678607 | 417-6210 | Hydraulic | 1574829 | 426-4861 |
| Hydraulic | PR3678607 | 417-6210 | Hydraulic | 2418098 | 426-4861 |
| Hydraulic | Y3678607 | 417-6210 | Hydraulic | N2418098 | 426-4861 |
| Hydraulic | 1454613 | 417-6211 | Hydraulic | PR2418098 | 426-4861 |
| Hydraulic | 6001805 | 417-6211 | Hydraulic Filter | 1520887 | 417-6209 |
| Hydraulic | N6001805 | 417-6211 | Hydraulic Filter | 4016949 | 417-6212 |
| Hydraulic | PR6001805 | 417-6211 | Hydraulic Filter | 4211824 | 418-2014 |
| Hydraulic | Y6001805 | 417-6211 | Hydraulic Filter | 4212489 | 418-2019 |
| Hydraulic | 1455733 | 417-6212 | Hydraulic Filter | 0511615 | 419-1102 |
| Hydraulic | N1455733 | 417-6212 | Hydraulic Filter | 4213339 | 419-1102 |
| Hydraulic | 1118880 | 417-6406 | Hydraulic Filter | 1453461 | 426-4785 |
| Hydraulic | 1460739 | 417-6406 | Hydraulic Filter | 1466284 | 426-4860 |
| Hydraulic | 4245072 | 417-6406 | Lube | 4059390 | 396-4602 |
| Hydraulic | 8031726 | 417-6406 | Lube | 4028082 | 417-6218 |
| Hydraulic | N1118880 | 417-6406 | Lube | 8037432 | 417-6218 |
| Hydraulic | 8020000 | 418-2019 | Lube | N8037432 | 417-6218 |
| Hydraulic | 1717467 | 426-4785 | Lube | 113240-232 | 418-0550 |
| Hydraulic | N1717467 | 426-4785 | Lube | 1460737 | 418-0550 |
| Hydraulic | PR1717467 | 426-4785 | Lube | Y113240-232 | 418-0550 |
| Hydraulic | Y1717467 | 426-4785 | Lube | 6002701 | 1R-1808 |
| Hydraulic | 1433860 | 426-4786 | Lube | N6002701 | 1R-1808 |
| Hydraulic | 1466265 | 426-4786 | Lube | PR6002701 | 1R-1808 |
| Hydraulic | N1433860 | 426-4786 | Lube | 1408923 | 1W-8845 |
| Hydraulic | PR1433860 | 426-4786 | Lube | 8020006 | 1W-8845 |
| Hydraulic | Y1433860 | 426-4786 | Lube | N1408923 | 1W-8845 |
| Hydraulic | 1413019 | 426-4787 | Lube | N8020006 | 1W-8845 |
| Hydraulic | 1466272 | 426-4787 | Lube | PR1408923 | 1W-8845 |
| Hydraulic | N1413019 | 426-4787 | Lube | Y1408923 | 1W-8845 |
| Hydraulic | 1454609 | 426-4790 | Lube | 6003127 | 275-2604 |
| Hydraulic | 1523677 | 426-4790 | Lube | N6003127 | 275-2604 |
| Hydraulic | 2739237 | 426-4790 | Lube | PR6003127 | 275-2604 |
| Hydraulic | N2739237 | 426-4790 | Lube | 1466463 | 396-1253 |
| Hydraulic | PR2739237 | 426-4790 | Lube | 4245070 | 396-1253 |
| Hydraulic | Y2739237 | 426-4790 | Lube | 8024545 | 396-1253 |
| Hydraulic | 1408692 | 426-4859 | Lube | 8482339 | 396-1253 |
| | | | Lube | N8482339 | 396-1253 |
| | | | Lube | 4028083 | 396-1255 |

Expanded Mining Cross Reference

Hydraulic Mining Shovels (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Lube | 8037559 | 396-1255 |
| Lube | N8037559 | 396-1255 |
| Lube | 3680593 | 396-4602 |
| Lube | 4024165 | 396-4602 |
| Lube | N3680593 | 396-4602 |
| Lube | 4027567 | 396-4604 |
| Lube | 6002338 | 396-4604 |
| Lube | N6002338 | 396-4604 |
| Lube | 4027263 | 396-4607 |
| Lube | 6001576 | 396-4607 |
| Lube | N6001576 | 396-4607 |
| Lube | 0945197 | 8T-3912 |
| Lube | N0945197 | 8T-3912 |

| Description | Bucyrus Part Number | Cat Part Number |
|---------------------|---------------------|-----------------|
| Lube | PR0945197 | 8T-3912 |
| Lube | 4027688 | 1R-1808 |
| Lube | 1466259 | 1W-8845 |
| Lube | 4213255 | 1W-8845 |
| Lube | 4027865 | 275-2604 |
| Lube | 4015223 | 8T-3912 |
| Transmission | 4245075 | 417-6410 |
| Transmission | 8406429 | 417-6410 |
| Transmission | 4787500 | 418-2014 |
| Transmission Filter | 4212955 | 419-1063 |
| Transmission Filter | 8479842 | 419-1063 |

Mining Trucks

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Air | 4044034 | 7E-7376 |
| Air | 1451240 | 9Y-8930 |
| Air | 700383 | 7E-7376 |
| Air | 55396 | 9Y-8930 |
| Air | 57205 | 277-0736 |
| Air | PR57205 | 277-0736 |
| Air | W57205 | 277-0736 |
| Air | Y57205 | 277-0736 |
| Air | 1543009 | 277-0736 |
| Air | 4043979 | 417-7950 |
| Air | 664112C1 | 417-7950 |
| Air | W664112C1 | 417-7950 |
| Air | 1004320 | 417-7951 |
| Air | 1453091 | 417-7951 |
| Air | 1580028 | 417-7951 |
| Air | MT1004320 | 417-7951 |
| Air | PR1004320 | 417-7951 |
| Air | QMT1004320 | 417-7951 |
| Air | W1004320 | 417-7951 |
| Air | Y1004320 | 417-7951 |
| Air | 1453096 | 417-8569 |
| Air | 57056 | 417-8569 |
| Air | PR57056 | 417-8569 |
| Air | W57056 | 417-8569 |
| Air | Y57056 | 417-8569 |
| Air | 901727 | 251-5885 |
| Air | PR901727 | 251-5885 |
| Air | W901727 | 251-5885 |
| Air | Y901727 | 251-5885 |

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Air | 2006361 | 277-7838 |
| Air | PR2006361 | 277-7838 |
| Air | W2006361 | 277-7838 |
| Air | Y2006361 | 277-7838 |
| Air | 2003174 | 292-5862 |
| Air | PR2003174 | 292-5862 |
| Air | W2003174 | 292-5862 |
| Air | Y2003174 | 292-5862 |
| Air | 2006359 | 419-9172 |
| Air | 2006360 | 419-9172 |
| Air | PR2006359 | 419-9172 |
| Air | PR2006360 | 419-9172 |
| Air | W2006359 | 419-9172 |
| Air | W2006360 | 419-9172 |
| Air | Y2006359 | 419-9172 |
| Air | 15270794 | 6C-9226 |
| Air | 4050674 | 6C-9226 |
| Air | 901728 | 9Y-7663 |
| Air | PR901728 | 9Y-7663 |
| Air | W901728 | 9Y-7663 |
| Air | Y901728 | 9Y-7663 |
| Air | 1451303 | 251-5885 |
| Air | 1451050 | 277-7838 |
| Air | 1451045 | 292-5862 |
| Air | 1452434 | 419-9172 |
| Air | 4010381 | 419-9172 |
| Air | 1452224 | 9Y-7663 |
| Breather | 1453032 | 417-7955 |
| Breather | 2004087 | 417-6181 |

Expanded Mining Cross Reference

Mining Trucks (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-------------------|---------------------|-----------------|------------------|---------------------|-----------------|
| Breather | 4010116 | 417-6181 | Fuel/Water | WFS1006 | 396-1258 |
| Breather | W2004087 | 417-6181 | Fuel/Water | 02FTR0005A | 396-4600 |
| Breather | 17103 | 417-7955 | Fuel/Water | 4218571 | 396-4600 |
| Breather | PR17103 | 417-7955 | Hydraulic | 1451086 | 417-6162 |
| Breather | W17103 | 417-7955 | Hydraulic | 916254 | 417-6162 |
| Breather | Y17103 | 417-7955 | Hydraulic | PR916254 | 417-6162 |
| Engine Oil Filter | 1470207 | 415-2443 | Hydraulic | W916254 | 417-6162 |
| Engine Oil Filter | 2004721 | 415-2443 | Hydraulic | Y916254 | 417-6162 |
| Engine Oil Filter | 25013192 | 418-2007 | Hydraulic | 4220704 | 419-1045 |
| Engine Oil Filter | 4218604 | 418-2007 | Hydraulic | 916144 | 419-1045 |
| Fuel | 1453179 | 415-2436 | Hydraulic | 24465 | 9T-8578 |
| Fuel | 2005192 | 415-2436 | Hydraulic | PR24465 | 9T-8578 |
| Fuel | 4009149 | 415-2436 | Hydraulic | W24465 | 9T-8578 |
| Fuel | 4058055 | 415-2436 | Hydraulic | Y24465 | 9T-8578 |
| Fuel | D23530644 | 415-2436 | Hydraulic | 55894 | 9U-6983 |
| Fuel | PR2005192 | 415-2436 | Hydraulic | PR55894 | 9U-6983 |
| Fuel | PRD23530644 | 415-2436 | Hydraulic | W55894 | 9U-6983 |
| Fuel | W2005192 | 415-2436 | Hydraulic | Y55894 | 9U-6983 |
| Fuel | Y2005192 | 415-2436 | Hydraulic | 1451044 | 9T-8578 |
| Fuel | 1453178 | 415-2444 | Hydraulic | 1452333 | 9U-6983 |
| Fuel | 1453187 | 415-2444 | Hydraulic Filter | 1452334 | 417-6164 |
| Fuel | 2002814 | 415-2444 | Hydraulic Filter | 913058 | 417-6164 |
| Fuel | 2005239 | 415-2444 | Hydraulic Filter | 1452335 | 417-6165 |
| Fuel | 4009988 | 415-2444 | Hydraulic Filter | 913999 | 417-6165 |
| Fuel | PR2002814 | 415-2444 | Hydraulic Filter | 4043985 | 417-6409 |
| Fuel | PR2005239 | 415-2444 | Lube | 4013096 | 151-0240 |
| Fuel | W2002814 | 415-2444 | Lube | 4009978 | 415-2445 |
| Fuel | W2005239 | 415-2444 | Lube | 1543740 | 415-2446 |
| Fuel | Y2005239 | 415-2444 | Lube | 2002796 | 415-2446 |
| Fuel | 1451051 | 415-2447 | Lube | 2003204 | 415-2446 |
| Fuel | 2006768 | 415-2447 | Lube | 4184839 | 415-2446 |
| Fuel | PR2006768 | 415-2447 | Lube | PR2003204 | 415-2446 |
| Fuel | W2006768 | 415-2447 | Lube | W2003204 | 415-2446 |
| Fuel | Y2006768 | 415-2447 | Lube | Y2003204 | 415-2446 |
| Fuel | 1007412 | 417-6402 | Lube | 4013208 | 396-4606 |
| Fuel | 52841 | 417-6402 | Lube | 4013209 | 396-4606 |
| Fuel | 4216798 | 417-6403 | Lube | 1141921C1 | 1W-8845 |
| Fuel | 625627C1 | 417-6403 | Lube | LF777 | 1W-8845 |
| Fuel | 23518528 | 418-8145 | Lube | PRLF777 | 1W-8845 |
| Fuel | 4218608 | 418-8145 | Lube | W1141921C1 | 1W-8845 |
| Fuel Filter | 23518532 | 417-6216 | Lube | WLF777 | 1W-8845 |
| Fuel Filter | 25011026 | 417-6216 | Lube | 915187 | 8T-3912 |
| Fuel Filter | 4218605 | 417-6216 | Lube | 916153 | 8T-3912 |
| Fuel Filter | 4218607 | 417-6216 | Lube | W915187 | 8T-3912 |
| Fuel/Water | 1453225 | 396-1258 | Lube | W916153 | 8T-3912 |
| Fuel/Water | 2002801 | 396-1258 | Lube | Y915187 | 8T-3912 |
| Fuel/Water | 4013172 | 396-1258 | | | |
| Fuel/Water | PRFS1006 | 396-1258 | | | |

Expanded Mining Cross Reference

Mining Trucks (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|-------------|---------------------|-----------------|
| Lube | 4013207 | 1W-8845 | Lube | 1452341 | 8T-3912 |
| Lube | 4218220 | 1W-8845 | Lube | 4013081 | 8T-3912 |

Roof Supports

| Roof Support Carrier, Load Haul Dump, Face Haulage Fluid Recommendations for Ambient Temperatures | | | | | | |
|---|--|-------------------------------|----------------------------|--------|-----|--------|
| Compartment or System | Oil Type and Performance Requirements | Oil Viscosities / Information | °C | | °F | |
| | | | Min | Max | Min | Max |
| Transmission | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -20 | 0 | -4 | 32 |
| | | SAE 30 | 0 | 32 | 32 | 90 |
| | | SAE 50 | 32 | No Max | 90 | No Max |
| Hydraulic with Integral Wet Brakes | Refer to Machine Owning and Operating Manual | | | | | |
| Hydraulic System | Cat Hydo Advanced | SAE 20 | 0 | 50 | 32 | 122 |
| Gear Box and Wet Brake | Refer to Machine Owning and Operating Manual | | | | | |
| Axle, Wheel Ends | Cat Gear Oil | SAE 80W-90 | For all temperature ranges | | | |
| Winch Gearbox, Winch Planetary (1) | Cat Compactor Oil | ISO 220 | For all temperature ranges | | | |
| Drop Box (2) | Cat TDTO Cold Weather | SAE 0W-20 | -40 | 0 | -40 | 32 |
| | Cat TDTO | SAE 10W | -20 | 0 | -4 | 32 |
| | | SAE 30 | 0 | 32 | 32 | 90 |
| | | SAE 50 | 32 | | 90 | |
| Brake Flushing (3) | Cat TDTO | SAE 10W | For all temperature ranges | | | |
| Grease points for Drive Line, Pins, Bushings, Door Hinges, Tow Pin, Differential Pinion Oil Seal | Cat Extreme Application Grease-Arctic (Semi-Synthetic) | NLGI 0 | -50 | 0 | -58 | 32 |
| | Cat Prime Application Grease | NLGI 2 | 0 | 50 | 32 | 122 |
| Engine Drive Coupling (4) | Cat Ball Bearing Grease | NLGI 2 | For all temperature ranges | | | |
| (1) Applicable to Shield Haulers only | | | | | | |
| (2) Applicable to Machines Fitted with the C7 engine package only | | | | | | |
| (3) Applicable to Coal Haulers only | | | | | | |
| (4) Applicable to Machines fitted with the 3126 engine package only | | | | | | |

| Description | Bucyrus Part Number | Cat Part Number |
|------------------|---------------------|-----------------|
| Air Filter | 1578318 | 421-9026 |
| Hydraulic | 110926 | 419-1036 |
| Hydraulic | X101055 | 419-1036 |
| Hydraulic Filter | 110862 | 421-8124 |
| Hydraulic Filter | 1578371 | 421-9024 |

Room and Pillar

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Hydraulic | 162861 | 9T-8578 |
| Hydraulic | F-150214 | 9T-8578 |

Expanded Mining Cross Reference

Room and Pillar (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|
| Hydraulic | LA-F150214 | 9T-8578 |
| Hydraulic | ZF150214 | 9T-8578 |

Shearer

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|------------------|---------------------|-----------------|------------------|---------------------|-----------------|
| Hydraulic | 837951 | 3T-8642 | Hydraulic Filter | 641204 | 421-9013 |
| Hydraulic | PLM430-00548 | 3T-8642 | Hydraulic Filter | 903763 | 421-9013 |
| Hydraulic Filter | 641224 | 417-6168 | Hydraulic Filter | 1481998 | 421-9015 |
| Hydraulic Filter | 637721 | 421-8193 | Hydraulic Filter | 637725 | 421-9015 |
| Hydraulic Filter | 750528 | 421-8193 | Hydraulic Filter | 767759 | 421-9025 |
| Hydraulic Filter | 214508 | 421-9010 | Hydraulic Filter | 767758 | 421-9027 |
| Hydraulic Filter | 637727 | 421-9011 | Hydraulic Filter | 844200 | 421-9027 |
| Hydraulic Filter | 1572935 | 421-9013 | Hydraulic Filter | 844194 | 421-9028 |

Transportation

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-------------|---------------------|-----------------|-------------------|---------------------|-----------------|
| Air | D505088 | 108-8070 | Air Filter | 650210 | 430-1921 |
| Air | 505088 | 108-8070 | Air Filter | 501639 | 430-1975 |
| Air | 167807 | 081-3923 | Air Filter | 501723 | 430-1977 |
| Air | C458445 | 081-3923 | Air Filter | 502611 | 430-1978 |
| Air | J-458445 | 081-3923 | Air Filter | 502612 | 430-1979 |
| Air | LA-458445 | 081-3923 | Air Filter | 866472 | 430-2064 |
| Air | C458441 | 081-3957 | Air Filter | 866473 | 430-2065 |
| Air | J-458441 | 081-3957 | Breather | 623516 | 430-2002 |
| Air | LA-458441 | 081-3957 | Breather | 214145 | 417-6181 |
| Air | 0000 000 051 86 40 | 304-5632 | Breather | LA-H875 | 417-6181 |
| Air | 518640 | 304-5632 | Breather | L-H875 | 417-6181 |
| Air | 0000 000 051 86 41 | 304-5633 | Engine Oil Filter | 607538 | 421-6529 |
| Air | 518641 | 304-5633 | Engine Oil Filter | 173094 | 421-6558 |
| Air | 502785 | 8T-6288 | Fuel | 633167 | 1R-0751 |
| Air | D502785 | 8T-6288 | Fuel | LA-458749 | 1R-0750 |
| Air | 502786 | 8T-6289 | Fuel | AUD506604 | 1R-0751 |
| Air | D502786 | 8T-6289 | Fuel | D506604 | 1R-0751 |
| Air | 503715 | 8X-4575 | Fuel | 1641288 | 396-4609 |
| Air | AUD503715 | 8X-4575 | Fuel | BUC1641288 | 396-4609 |
| Air | D503715 | 8X-4575 | Fuel | D506033 | 4P-7384 |
| Air | 171911 | 081-3957 | Fuel | 502110 | 8T-3910 |
| Air Filter | 1055529 | 421-6535 | Fuel | D502110 | 8T-3910 |
| Air Filter | 1056028 | 421-6535 | Fuel | 172096 | 1R-0750 |
| Air Filter | 230595 | 430-1921 | Fuel | 506604 | 1R-0751 |

Expanded Mining Cross Reference

Transportation (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|-----------------------------|---------------------|-----------------|-------------|---------------------|-----------------|
| Fuel | 506033 | 4P-7384 | Hydraulic | DBT365842 | 417-6184 |
| Fuel Filter | 340668 | 418-0553 | Hydraulic | 1056601 | 417-6190 |
| Fuel Filter | 173451 | 421-6533 | Hydraulic | 162865 | 417-6191 |
| Fuel Filter | 623412 | 421-6533 | Hydraulic | 232210 | 417-6191 |
| Fuel Filter | 624250 | 421-6533 | Hydraulic | 648022 | 417-6191 |
| Fuel/Water | D502080 | 134-6307 | Hydraulic | F-150230 | 417-6191 |
| Fuel/Water | 0000 000 051 65 10 | 326-1643 | Hydraulic | LA-F150230 | 417-6191 |
| Fuel/Water | 502080 | 134-6307 | Hydraulic | L-LUP00677 | 417-6191 |
| Fuel/Water | 516510 | 326-1643 | Hydraulic | LUP00677 | 417-6191 |
| Fuel/Water Separator Filter | 196334 | 421-6543 | Hydraulic | US232210 | 417-6191 |
| Fuel/Water Separator Filter | 1624872 | 430-1864 | Hydraulic | Z150230 | 417-6191 |
| Fuel/Water Separator Filter | 503467 | 430-1981 | Hydraulic | 365819 | 417-6192 |
| Fuel/Water Separator Filter | 651612 | 430-2035 | Hydraulic | DBT365819 | 417-6192 |
| Hydraulic | L-9541000500 | 417-6408 | Hydraulic | 365820 | 417-6196 |
| Hydraulic | 504727 | 417-7919 | Hydraulic | DBT365820 | 417-6196 |
| Hydraulic | AUD504727 | 417-7919 | Hydraulic | 215189 | 417-6831 |
| Hydraulic | D504727 | 417-7919 | Hydraulic | L-B680-181-A | 417-6831 |
| Hydraulic | 225859 | 419-1040 | Hydraulic | 0016144510 | 419-1023 |
| Hydraulic | L-17076X7 | 419-1040 | Hydraulic | 162556 | 419-1023 |
| Hydraulic | 1513339 | 421-8130 | Hydraulic | 228600 | 419-1023 |
| Hydraulic | BUC1513339 | 421-8130 | Hydraulic | F-46848 | 419-1023 |
| Hydraulic | 236130 | 421-8137 | Hydraulic | L-0016144510 | 419-1023 |
| Hydraulic | 410195 | 421-8137 | Hydraulic | LA-F46848 | 419-1023 |
| Hydraulic | L-410195 | 421-8137 | Hydraulic | 213735 | 419-1025 |
| Hydraulic | 502126 | 421-8206 | Hydraulic | L-H773X5-1 | 419-1025 |
| Hydraulic | AUD502126 | 421-8206 | Hydraulic | 225749 | 419-1037 |
| Hydraulic | D502126 | 421-8206 | Hydraulic | L-17396X4 | 419-1037 |
| Hydraulic | 172612 | 123-8189 | Hydraulic | 223194 | 419-1038 |
| Hydraulic | 534F035MK001 | 123-8189 | Hydraulic | 410363X1 | 419-1038 |
| Hydraulic | J-480189 | 123-8189 | Hydraulic | L-410363X1 | 419-1038 |
| Hydraulic | LA-480189 | 123-8189 | Hydraulic | 225536 | 419-1039 |
| Hydraulic | 286999 | 417-6173 | Hydraulic | L-17076X3 | 419-1039 |
| Hydraulic | L-LUP01981 | 417-6173 | Hydraulic | 241993 | 419-1041 |
| Hydraulic | US286999 | 417-6173 | Hydraulic | L-17396X2 | 419-1041 |
| Hydraulic | ZLUP01981 | 417-6173 | Hydraulic | 238278 | 419-1043 |
| Hydraulic | 365844 | 417-6178 | Hydraulic | L-16895X3 | 419-1043 |
| Hydraulic | DBT365844 | 417-6178 | Hydraulic | 250456 | 419-1044 |
| Hydraulic | 223465 | 417-6180 | Hydraulic | L-16895X7 | 419-1044 |
| Hydraulic | 410839X1 | 417-6180 | Hydraulic | 213089 | 077-3058 |
| Hydraulic | L-410839X1 | 417-6180 | Hydraulic | L-9541009500 | 077-3058 |
| Hydraulic | 365842 | 417-6184 | Hydraulic | LA-9541009500 | 077-3058 |
| | | | Hydraulic | 173168 | 4T-6788 |
| | | | Hydraulic | 509F661MK001 | 4T-6788 |
| | | | Hydraulic | J-471569 | 4T-6788 |

Expanded Mining Cross Reference

Transportation (Cont'd.)

| Description | Bucyrus Part Number | Cat Part Number | Description | Bucyrus Part Number | Cat Part Number |
|------------------|---------------------|-----------------|-------------|---------------------|-----------------|
| Hydraulic | LA-471569 | 4T-6788 | Lube | 329194 | 081-4661 |
| Hydraulic | 623513 | 9U-6982 | Lube | DBT329194 | 081-4661 |
| Hydraulic | BUC623513 | 9U-6982 | Lube | 1624820 | 396-1253 |
| Hydraulic Filter | 242071 | 417-6165 | Lube | LA-458750 | 1R-0739 |
| Hydraulic Filter | 237094 | 417-6408 | Lube | AUD503469 | 1R-1807 |
| Hydraulic Filter | 224410 | 420-1695 | Lube | D503469 | 1R-1807 |
| Hydraulic Filter | 252997 | 420-1696 | Lube | AUD507309 | 1R-1808 |
| Hydraulic Filter | 370748 | 420-1697 | Lube | D507309 | 1R-1808 |
| Hydraulic Filter | 267996 | 421-9014 | Lube | 1627515 | 396-4610 |
| Hydraulic Filter | 267994 | 421-9016 | Lube | BUC1627515 | 396-4610 |
| Hydraulic Filter | 1692281 | 430-1891 | Lube | 502121 | 8T-3912 |
| Hydraulic Filter | 501471 | 430-1891 | Lube | D502121 | 8T-3912 |
| Hydraulic Filter | 238580 | 430-1928 | Lube | 195123 | 1R-0739 |
| Hydraulic Filter | 623514 | 430-2000 | Lube | 503469 | 1R-1807 |
| Hydraulic Filter | 623515 | 430-2001 | Lube | 507309 | 1R-1808 |
| Hydraulic Filter | 648177 | 430-2052 | Strainer | 252794 | 421-8126 |

Miscellaneous

| Description | Bucyrus Part Number | Cat Part Number |
|-------------------|---------------------|-----------------|
| Air Oil Separator | 1132377 | 417-6342 |
| Air Filter | 1081454 | 430-1731 |

- Genuine parts optimized for Cat Equipment.
- Manufactured worldwide to Caterpillar specifications for global quality assurance.
- Complete line of products and services to meet your business needs.

Cat Liquid Filters



Standard Efficiency

- Features standard elements for normal duty filtration.
- Designed to maintain system cleanliness.
- Removes contaminants before the fluid reaches critical components.
- Available for older Cat equipment models.



Advanced Efficiency

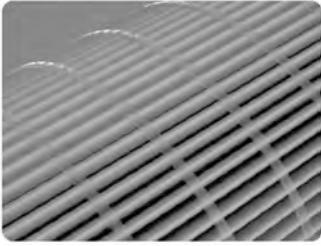
- Provide increased contamination control over Standard Efficiency Filters without requiring shortened change interval.
- Factory Fit on most Cat equipment.



Ultra High Efficiency

- Offers unsurpassed component protection by capturing the smallest particles which cause damage to the new high performing systems
- Benefits engine life and reduces engine wear.
- Maximizes engine performance and component life.
- The best way to keep your system clean.

Cat Element Features



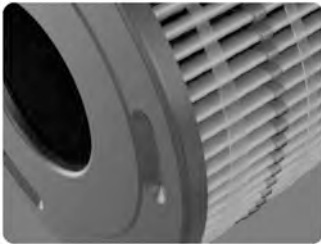
Spiral Roving

- Reduces pleat flex and fatigue
- Maximizes media surface utilization
- Increases contaminate retention



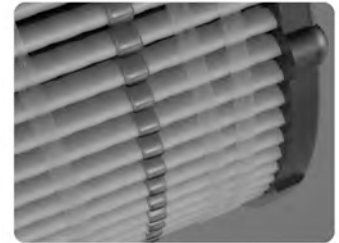
Non-Metallic Center Tube

- Stronger than metal
- Maximum cleanliness



Acrylic Beading

- Prevents Bunching
- Maximizes media surface area utilization



Urethane End Caps

- One-piece design
- Media molded into urethane
- Eliminates possible leak paths

Cat Filter Features



Aluminum Top Plate

- Non-Ferrous metal
- Reduces harmful contaminants
- More thread engagement

Canister

- Thickest can in the industry
- One piece can design
- Maximizes structural strength
- Minimizes potential leaks



Air filters, also called air cleaners, are responsible for continuously cleaning the air coming into the engine or machine cab. Air filters are designed to effectively remove contaminants such as dust, dirt, soot and other air-borne particulates. Cat Filters are available in Standard Efficiency and Ultra High Efficiency, providing the best protection for your machine.

Cat Engine Air Filters

Standard Efficiency Air Filters

- Available for all Cat equipment models.
- Recommended for normal duty filtration
- Equipped with media designed to prevent dirt, soot, sand, and other contaminants from entering the engine under normal operating conditions.

Ultra High Efficiency (UHE) filters

- Available for some Cat equipment models.
- Recommended when extremely fine dust or soot make up a high percentage of the contaminants in the atmosphere.
- Higher initial and overall efficiency for improved engine performance and dirt holding capacity, which extends filter element service life.

Cat Cabin Air Filters

- Protects the equipment's heating and cooling system from dirt and debris as well as provide a clean air environment for the operator.
- Available in a variety efficiencies and upgrade options, including Standard Efficiency, High Efficiency, Activated Carbon, and Lower Restriction elements.

Cat Air Filters

Cabin Air Filtration Upgrade Options

Not for use in filtering hazardous materials

Odor Reduction Cabin Air Filters

- Caterpillar offers a selection of activated carbon impregnated cabin air filters for use in applications where odors or airborne irritants are a concern. These filters provide significant odor reduction, but they are not designed to filter hazardous materials.

Compatibility and Fit

- Odor reduction cabin air filters can be used as direct replacements for standard filters. No modification is necessary, and pressure drop is similar to standard, so there is minimal effect on air flow, A/C and heat performance, or cabin air pressure. Correct substitutions are indicated in the following table.

Activated-carbon filtering

- Odor reduction cabin air filters use high-performance activated carbon to quickly absorb odor-causing particles and reduce odors to a comfortable level. A bonded structure holds carbon in place even in high-vibration conditions and prevents carbon dusting. This design also makes the filters easy to install and safe to dispose.

Improved particle removal

- Odor reduction cabin air filters also provide higher particle removal efficiency, both initially and throughout filter life. Fewer particles of soil, dust, and other irritants enter the cab, even after sustained use.

Replacement Guidelines

- Activated carbon cabin air filters must be replaced regularly for maximum odor reduction. Replace damaged filters, filters used longer than 12 months or filters that no longer reduce odors.

Cat Cabin Air Filters

Caterpillar offers optional cabin air filters for use in all applications and environments. All cabin air filters meet Caterpillar's stringent specifications for performance and quality construction. Advanced filtration technology reduces airborne irritants, creating a cleaner and more comfortable working environment for the operator. No equipment modification is needed for installation. Note: Cabin air filters are not for use in filtering hazardous materials.

High Efficiency

- Recommended for extremely dusty environments
- Improved dirt holding capacity, which may extend service life depending on the operating conditions
- Higher initial and overall efficiency for improved performance
- Easier to clean



Activated Carbon

- Recommended in situations where odor is a problem
- High performance activated carbon ensures fast rate of absorption
- Superior particle removal efficiency reduces eye, nose and throat irritants
- Higher capacity extends life and reduces maintenance costs
- No adverse effect on air flow, heat or air conditioning performance



Lower Restriction

- Recommended in situations where there is poor cab air flow
- Allows for more air flow into the cab
- Similar capacity to standard option
- Standard efficiency



Standard

- Recommended for most applications
- Designed to prevent dirt, soot, sand and other contaminants from entering the cab under normal operating conditions
- Standard efficiency



Dust and Odor Reduction Cabin Air Filter Options

| Standard | Upgrade Option | Type |
|----------|----------------|-----------------------|
| 105-4968 | 139-3204 | Dust & Odor Reduction |
| 107-0266 | 175-2841 | High Efficiency |
| 107-0266 | 282-5339 | Dust & Odor Reduction |
| 112-7448 | 175-2838 | Dust & Odor Reduction |
| 113-0305 | 196-3161 | Dust & Odor Reduction |
| 116-5796 | 142-7069 | Dust & Odor Reduction |
| 119-3355 | 233-8359 | Dust & Odor Reduction |
| 119-3355 | 268-6704 | Lower Restriction |
| 149-1912 | 220-8800 | Dust & Odor Reduction |
| 180-7487 | 282-5340 | Dust & Odor Reduction |
| 209-8217 | 307-4442 | Dust & Odor Reduction |
| 209-8217 | 268-6705 | Lower Restriction |
| 209-8217 | 318-7190 | High Efficiency |
| 238-0479 | 319-7944 | High Efficiency |
| 238-0479 | 291-3928 | Dust & Odor Reduction |
| 259-3222 | 266-7765 | Lower Restriction |

| Standard | Upgrade Option | Type |
|----------|----------------|------------------------|
| 2V-0036 | 175-2837 | Dust & Odor Reduction |
| 6T-0988 | 175-2831 | Dust & Odor Reduction |
| 7G-8116 | 141-7903 | Dust & Odor Reduction |
| 7T-1889 | 175-2836 | Dust & Odor Reduction |
| 7T-1890 | 175-2839 | High Efficiency |
| 7T-1890 | 175-2832 | Dust & Odor Reduction |
| 7X-6012 | 200-8460 | Dust & Odor Reduction |
| 7X-6041 | 175-2834 | Dust & Odor Reduction |
| 8P-5343 | 175-2835 | Dust & Odor Reduction |
| 9G-1518 | 175-2833 | Dust & Odor Reduction |
| 9X-8216 | 175-2840 | High Efficiency |
| 231-0167 | 326-7963 | Dust & Odor Reduction |
| 290-2287 | 348-3432 | Dust & Odor Reduction |
| 304-8631 | 333-2112 | HEPA, cabin precleaner |
| 341-8392 | 450-3029 | HEPA, cabin precleaner |
| 457-2836 | 457-3049 | HEPA, cabin precleaner |

Cat Air Filters

Retro-Fit Breather Upgrade

Function of Breathers

- Breathers are an important part of any professional contamination control strategy. As the volume of liquid changes inside a container (e.g., a hydraulic tank), air must enter and exit the container in order to prevent the container from becoming over-pressurized or in vacuum. Without a breather the exchange of air as it enters and exits tanks introduces air borne contaminants.

Not filtering small air-borne particles results in:

- Pre-mature component replacement
- Lower productivity
- More frequent filter changes

Use of Breathers

- Track-type tractors, stationary engines (industrial, marine, generator sets), motor graders, and Challenger® agriculture tractors are a few product families that have breathers installed on production fuel tanks, hydraulic systems, and gear boxes. Utilizing breathers in order to improve system performance on Caterpillar production equipment is expanding.
- To improve existing fluid system contamination control, Caterpillar is providing retrofit breathers for field installation on Cat equipment and other manufacturer's equipment.

Advantage of a Breather

- In general, small particles cause abrasive wear on components and larger particles tend to cause sudden breakdowns by clogging pathways or creating interference between components. Usually, a breather is much less expensive than a filter, and its use can increase the service interval for the filter. In systems where air is forced out through the breather, such as in hydraulic or fast fill applications, the dirt is blown out of the element, thereby increasing its life.

Breather Selection

- The level of breather filtration required in a system depends on the application. The more sensitive to contamination the system is, the greater the need for filtration.

General Rule of Thumb

- Efficiency - Higher breather efficiencies will maintain a cleaner system.
- Restriction - If air flow capacity is in question, use the larger breather.
- Location - When choosing the location for the breather, make sure that it is as convenient as possible to inspect and change: good clearance and visual line.

Change intervals:

- Breather change interval can vary widely depending on extremes in operating conditions. As a general rule, change breathers with every fluid change or when breather vent slots appear clogged.

Inspection:

- Include visual inspection of breathers in routine maintenance inspections. If in doubt, change the breather. The cost of a new breather is minimal in comparison to the potential downstream costs of not changing it.

Filter Efficiency Options

Engine Lube Oil

| Standard Efficiency | Advanced Efficiency | Ultra High Efficiency | Notes |
|---------------------|---------------------|-----------------------|---|
| 1R-0726 | 276-5403 | 284-9054 | |
| 1R-0739 | 1R-1807 | | |
| 1R-0716 | 1R-1808 | 244-4484 | 1R-0716/1R-1808...not for use on 3500 Engines |
| 272-1788 | 275-2604 | 244-4484 | 272-1788/275-2604...for use on 3500 Engines |

Hydraulic

| Standard Efficiency | Advanced Efficiency | Ultra High Efficiency | Fire Resistance | Notes |
|---------------------|---------------------|-----------------------|-----------------|---|
| 4I-3948 | 184-3931 | 126-1813 | | |
| 090-2900 | 144-6691 | 126-1815 | 121-9868 | |
| 094-3229 | | 139-1539 | | |
| 094-4412 | | 139-1540 | | |
| 123-8999 | | 117-9900 | | |
| 1R-0719 | 1R-0773 | 132-8875 | 4T-3131 | |
| 1R-0728 | | 139-1532 | 4T-3130 | |
| 1R-0735 | 1R-0777 | 139-1537 | 104-6931 | |
| 1R-0741 | | 132-8876 | 4T-3132 | |
| 1R-0746 | | 126-1810 | | |
| 1R-0722 | 1R-0774 | 139-1536 | 4T-2134 | |
| | 4T-6788 | 223-7809 | | |
| | 9T-8578 | 144-0832 | | |
| | 9T-6636 | 126-1816 | | |
| 119-4740 | | 221-1026 | | |
| 126-2081 | 179-9806 | 126-2131 | | 179-9806 lower efficiency than 342-1823 |
| 126-2081 | 342-1823 | 126-2131 | | 342-1823 higher efficiency than 179-9806 |
| 1R-0732 | 1R-0792 | 167-2009 | 4T-3133 | |
| | 201-0875 | 223-7810 | | |
| | 1G-8878 | 465-6502 | 156-0214 | |
| 9T-9054 | | 9T-7656 | | |
| | 130-3212 | 126-1814 | | 130-3212 higher efficiency & capacity than 185-0337 |
| | 185-0337 | 126-1814 | | 185-0337 lower efficiency & capacity than 130-3212 |
| | 4I-3950 | 126-1814 | | 4I-3950 lower efficiency than 185-0337 |
| | 361-7479 | 132-7249 | | |
| | 134-0964 | 4C-6860 | | |
| 185-1379 | | 185-1278 | | |
| | 108-1153 | 126-1817 | 134-3014 | 108-1153 higher efficiency & capacity than 9T-0973 |
| | 9T-0973 | 126-1817 | 134-3014 | 9T-0973 lower efficiency & capacity than 108-1153 |
| | 6E-6408 | 465-6506 | | |
| | 152-6902 | 465-8903 | | |
| 185-1375 | 192-1560 | | | |
| | 198-7397 | 139-1533 | | |
| | 436-3443 | 295-6257 | | |
| | 435-6036 | 371-5170 | | |

Filter Efficiency Options

Transmission

| Standard Efficiency | Advanced Efficiency | Notes |
|---------------------|---------------------|--|
| 41-3948 | 184-3931 | |
| 090-2900 | 144-6691 | |
| 1R-0735 | 1R-0777 | |
| 1R-0722 | 1R-0774 | |
| 126-2081 | 179-9806 | 179-9806 lower efficiency than 342-1823 |
| 126-2081 | 342-1823 | 342-1823 higher efficiency than 179-9806 |
| 1R-0732 | 417-8416 | |
| 185-1375 | 192-1560 | |

Transmission Filters

| Recommended | Replaces |
|-------------|----------|
| 328-3655 | 338-3540 |
| 341-6643 | 1G-8878 |
| | 102-2828 |
| 343-4464 | 1R-0773 |
| | 132-8875 |
| 343-4465 | 1R-0778 |
| | 132-8876 |
| 417-8416 | 1R-0792 |
| | 167-2009 |

*Recommended for Transmission Applications as a replacement to the former Hydraulic UHE filter. See PEHJ0251 for details.

Fuel

| Standard Efficiency | Advanced Efficiency | Ultra High Efficiency | Notes |
|---------------------|---------------------|-----------------------|--------------------------------------|
| | 1R-0755 | 422-7587 | |
| 1R-0740 | 1R-0750 | | |
| 121-9868 | 1R-0751 | 306-9199 | 306-9199 less capacity than 364-5287 |
| 121-9868 | 1R-0751 | 364-5287 | 364-5287 more capacity than 306-9199 |
| 1R-1712 | 1R-0749 | 416-1225 | |
| 1R-1725 | 1R-0766 | | |

Fuel/Water Separator

| Standard Efficiency | Advanced Efficiency | Ultra High Efficiency | Notes |
|---------------------|---------------------|-----------------------|-------|
| | 438-5385 | 438-5386 | |
| 134-6307 | 111-0716 | 4P-7384 | |

Filter Efficiency Options

Bowl-less FWS Options & Marine

New Advanced Efficiency Fuel/Water Separators - Bowl-less

| New Part Number | Equivalent Part Number |
|-----------------|------------------------|
| 423-8521 | 326-1641 |
| 423-8522 | 326-1642 |
| 423-8524 | 326-1643 |
| 423-8525 | 326-1644 |

Marine "White" Options

| Marine Part Number | Description | Existing Part Number |
|--------------------|-----------------------------------|----------------------|
| 389-0432 | Advanced - Secondary Fuel Filter | 1R-0749 |
| 389-0433 | Advanced - Secondary Fuel Filter | 1R-0755 |
| 389-0434 | Advanced - Engine Lube Oil Filter | 1R-1808 |
| 389-0435 | Advanced - Engine Lube Oil Filter | 249-2347 |
| 432-4245 | Advanced - Fuel/Water Separator | 423-8521 or 326-1641 |
| 432-4247 | Advanced - Fuel/Water Separator | 423-8522 or 326-1642 |
| 432-4248 | Advanced - Fuel/Water Separator | 423-8524 or 326-1643 |
| 432-4249 | Advanced - Fuel/Water Separator | 423-8525 or 326-1644 |
| 441-4342 | Advanced - Secondary Fuel Filter | 1R-0751 |
| 441-4348 | Advanced - Engine Lube Oil Filter | 1R-1807 |

Air - Engine

| Standard Efficiency | Ultra High Efficiency | Notes | Standard Efficiency | Ultra High Efficiency | Notes |
|---------------------|-----------------------|-------|---------------------|-----------------------|-------|
| 6I-2499 | 132-7164 | | 142-1340 | 220-0454 | |
| 6I-2501 | 128-2686 | | 165-1689 | 220-0455 | |
| 6I-2503 | 132-7165 | | 4W-5716 | 132-7170 | |
| 6I-0273 | 122-1674 | | 4W-5228 | 132-7171 | |
| 6I-2505 | 122-1675 | | 8N-6309 | 185-8786 | |
| 6I-2507 | 132-7166 | | 251-5885 | 292-5862 | |
| 6I-2509 | 132-7167 | | 251-5886 | 292-5863 | |
| 106-3969 | 132-7168 | | 386-2097 | 422-1089 | |
| 123-6855 | 132-7169 | | 386-2099 | 456-9847 | |
| 131-8822 | 134-0685 | | 396-2122 | 420-5282 | |
| 142-1339 | 220-0453 | | 396-2123 | 467-2012 | |

Filter Efficiency Options

Air - Cabin

| Standard Efficiency | Ultra High Efficiency | Notes |
|---------------------|-----------------------|-----------------------|
| 105-4968 | 139-3204 | Dust & Odor Reduction |
| 107-0266 | 175-2841 | High Efficiency |
| 107-0266 | 282-5339 | Dust & Odor Reduction |
| 112-7448 | 175-2838 | Dust & Odor Reduction |
| 113-0305 | 196-3161 | Dust & Odor Reduction |
| 116-5796 | 142-7069 | Dust & Odor Reduction |
| 119-3355 | 233-8359 | Dust & Odor Reduction |
| 119-3355 | 268-6704 | Lower Restriction |
| 149-1912 | 220-8800 | Dust & Odor Reduction |
| 180-7487 | 282-5340 | Dust & Odor Reduction |
| 209-8217 | 307-4442 | Dust & Odor Reduction |
| 209-8217 | 268-6705 | Lower Restriction |
| 209-8217 | 318-7190 | High Efficiency |
| 238-0479 | 319-7944 | High Efficiency |
| 238-0479 | 291-3928 | Dust & Odor Reduction |
| 259-3222 | 266-7765 | Lower Restriction |

| Standard Efficiency | Ultra High Efficiency | Notes |
|---------------------|-----------------------|------------------------|
| 304-8631 | 333-2112 | HEPA, cabin precleaner |
| 2V-0036 | 175-2837 | Dust & Odor Reduction |
| 6T-0988 | 175-2831 | Dust & Odor Reduction |
| 7G-8116 | 141-7903 | Dust & Odor Reduction |
| 7T-1889 | 175-2836 | Dust & Odor Reduction |
| 7T-1890 | 175-2839 | High Efficiency |
| 7T-1890 | 175-2832 | Dust & Odor Reduction |
| 7X-6012 | 200-8460 | Dust & Odor Reduction |
| 7X-6041 | 175-2834 | Dust & Odor Reduction |
| 8P-5343 | 175-2835 | Dust & Odor Reduction |
| 9G-1518 | 175-2833 | Dust & Odor Reduction |
| 9X-8216 | 175-2840 | High Efficiency |
| 231-0167 | 326-7963 | Dust & Odor Reduction |
| 290-2287 | 348-3432 | Dust & Odor Reduction |
| 341-8392 | 450-3029 | HEPA, cabin precleaner |

Axial Seal Air Filter to Radial Air Seal Filter Adapter Kit Cross Reference

| Axial Seal Type - Standard Primary | Axial Seal Type - Secondary | Optional Radial Seal Retrofit Kits - Axial to radial seal adapter kit | Radial Seal Type - Standard Primary | Radial Seal Type - Standard Primary Radial Seal Type - UHE Primary | Radial Seal Type - Secondary |
|------------------------------------|-----------------------------|---|-------------------------------------|---|------------------------------|
| 7W-5389 | 2S-1285 | 6I-3828 | 6I-2499 | 132-7164 | 6I-2500 |
| 7W-5389 | 8N-4901 | 6I-3829 | 6I-2499 | 132-7164 | 6I-2500 |
| 7W-5317 | 2S-1286 | 6I-3830 | 6I-2501 | 128-2686 | 6I-2502 |
| 7W-5317 | 9S-9972 | 6I-3831 | 6I-2501 | 128-2686 | 6I-2502 |
| 7W-5316 | 8N-6883 | 6I-3831 | 6I-2503 | 132-7165 | 6I-2504 |
| 7W-5316 | 2S-1287 | 6I-3830 | 6I-2503 | 132-7165 | 6I-2504 |
| 7W-5495 | 1P-7360 | 6I-3832 | 6I-0273 | 132-1674 | 6I-0274 |
| 7W-5313 | 1P-8482 | 6I-3833 | 6I-2505 | 132-1675 | 6I-2506 |
| 7W-5313 | 6N-6444 | 6I-3833 | 6I-2507 | 132-7166 | 6I-2508 |
| 7W-5216 | 7N-1308 | 6I-3833 | 6I-2509 | 132-7167 | 6I-2510 |
| 7W-9853 | 7W-9567 | 106-7120 | 106-3969 | 132-7168 | 106-3973 |
| 4W-5716 | 6N-6067 | 106-7120 / 222-4376 | 106-3969 | 132-7168 | 106-3973 |
| 8N-6309 | 8N-2556 | | 123-6855 | 132-7169 | 123-6856 |
| 9Y-7662 | 9Y-7663 | | 131-8822 | 132-0685 | 131-8821 |

Fluid Information and Part Numbers



Oils

Health and Safety

Under normal conditions of intended use, these products do not pose a risk to health. Excessive exposure may result in eye, skin, or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS < visit our web site at www.catmsds.com

Cat Lubricants



Health and Safety - Under normal conditions of intended use, these products do not pose a risk to health. Excessive exposure may result in eye, skin, or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product.

Cat Diesel Engine, Undercarriage and Hydraulic Oils have been developed and tested by Cat in order to increase the performance and life of Cat components. Cat fluids are formulated of high quality refined oil base stocks and additives providing high performance and component protection in Cat engines and Machines.

Cat SAEO



Recommended Use

- Cat Special Application Engine oil is the only oil approved by Caterpillar for use in the 3116 and 3126 Marine Diesel Engine with mechanical unit injection and a closed crankcase ventilation system. This system circulates blowby gases from the engine crankcase to the turbocharger inlet. These blowby gases can form harmful deposits in the turbocharger and the aftercooler. Cat Special Application Engine Oil is designed to reduce or eliminate the formation of these harmful deposits. (1)

Discover the Difference

- Stops the buildup of deposits in the turbocharger compressor and the aftercooler that can reduce power and cause an increase in smoke.
- Maintains stable oil consumption within the specified oil change interval and from one interval to the next.
- Stabilizes functional chemistry throughout each service interval.
- Stops the buildup of deposits on pistons and rings that can increase oil consumption.
- Helps to eliminate the formation of deposits on pistons that are abrasive enough to polish the hone pattern from the surface of the lines.
- Prevents the clumping of soot particles that can cause an abnormal increase in viscosity, piston deposits, or sludge.

| Typical Characteristics {A} | | |
|----------------------------------|-----------|------------|
| SAE Viscosity Grade | SAE 30 | SAE 40 |
| Manufacturer | Cat 1K | Cat 1K |
| Flash Point, °C (ASTM D92) | 228 | 239 |
| Pour Point, °C (ASTM D97) | -30 | -18 |
| Viscosity cSt @100°C (ASTM D445) | 10.7 | 13.9 (min) |
| Sulfated ASH, % wt. (ASTM D874) | 0.9 | 0.9 |
| TBN (ASTM D2896) | 6.5 | 6.5 |
| Zinc, % wt. (ASTM D1549) | 0.103 max | 0.112 max |
| Phosphorous, % wt. (ASTM D1091) | 0.095 | 0.102 max |

{A} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

| English Volume (gal) | Metric Volume (L) | Part Number |
|----------------------|-------------------|-------------|
| SAE 30 | | |
| 1 | — | 170-5262 |
| 5 | — | 198-7368 |
| Bulk | — | 161-5824 |

| English Volume (gal) | Metric Volume (L) | Part Number |
|----------------------|-------------------|-------------|
| SAE 40 | | |
| 1 | — | 170-5261 |
| 5 | — | 198-7369 |

Specialty Oils / Additives

Compactor Oil



- Special synthetic oil used in vibrator drum of Compactors
- Packaged in 20 L (5 gal) pails
- Large machines take 20 L (5 gal) per drum
- Small machines take 10 L (2 1/2 gal) per drum

| English (G) | Part Number | Metric (L) | EAME Part Number |
|-------------|-------------|------------|------------------|
| 1 | 353-4980 | 19 | 185-4759 |
| 5 | 4C-6767 | 20 | 456-5476 |
| 55 | 417-9262 | 208 | 456-5477 |
| — | — | Bulk | 148-5466 |

Cat MTO



Recommended Use

- Recommended for older Car Backhoe Loader rear axles and Cat Challenger Tractors.
- Cat Components and systems recommending multipurpose tractor fluid that meet Ford/ New Holland M2C134D specification.
- Most Cat Hydraulic Systems

Discover the Difference

- Cat MTO is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts.
- Improved Braking and Clutching – Where approved for use, enhances control and extends life in clutches and wet brakes.
- Lower Maintenance Costs - Exceptional anti-wear properties extend equipment and component lives.
- Cold-Weather Operation - Can be used in temperatures as low as -13°F (-25°C).
- Simplified Maintenance - Can be used in multiple compartments, reducing inventory and the chance of using the wrong oil.
- Long-Lasting Performance - Offers high thermal stability and oxidation resistance for long service life in severe applications.

| OEM Compatibility | |
|--|------------------------------------|
| Cat MTO meets the following OEM specifications {A}: | |
| API | GL-4 |
| CNH | MAT3525 |
| For New Holland | FNHA-2-C-201 |
| Kubota | UDT |
| Volvo | WB 101/BM |
| Cat MTO can be substituted in applications that require the following: | |
| AGCO Powrefluid | 821 XL |
| Allison | C4 (Agriculture Applications Only) |

Cat MTO (Cont'd.)

| OEM Compatibility | |
|---|----------------------------|
| Cat MTO meets the following OEM specifications {A}: | |
| Denison | HF-0/HF-1/HF-2 (T5D & P46) |
| Ford | ESN-M2C 134D |
| JI Case | MS 1204-07/09 |
| John Deere | JMD J20C |
| Massey Ferguson | MF 1135/1141 |
| Vickers | 35VQ25 |
| Typical Characteristics {B} | |
| Gravity API (ASTM D287) | 28.6 |
| Flash Point, °C (°F) (ASTM D92) | 214 (417) |
| Pour Point, °C (°F) (ASTM D97) | -42 (-44) |
| Viscosity Brookfield, cP at -20°C | 4300 |
| Viscosity cSt @ 40°C (ASTM D445) | 58 |
| Viscosity cSt @ 100°C (ASTM D445) | 9.3 |
| Viscosity Index (ASTM D2270) | 140 |
| Zinc, % wt. | 0.15 min. |
| {A} Cat MTO does not meet Cat TO-4 or FD-1 and should not be used in compartments that specify TO-4 or FD-1 oil. | |
| {B} The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice. | |

| English Volume (gal) | Metric Volume (L) | Part Number | English Volume (gal) | Metric Volume (L) | Part Number |
|----------------------|-------------------|-------------|----------------------|-------------------|-------------|
| SAE 10W-30 | | | — | 18 | 135-3189 |
| 2.5 G | — | 462-7711 | — | 20 | 109-4395 |
| 5 | — | 105-3335 | — | 200 | 126-2700 |
| 55 | — | 105-3334 | — | 205 | 138-4271 |
| Bulk | — | 155-6218 | — | 208 | 120-5286 |
| — | 5 | 172-6894 | — | Bulk | 105-3333 |

Cat Axle and Brake Oil Additive



| English Volume (qt) | Metric Volume (L) | Part Number |
|---------------------|-------------------|-------------|
| 1 qt | — | 197-0017 |

Specialty Oils / Additives

Brake Fluid



- Makes DOT and SAE requirements

DOT 3

- Use where DOT 3 brake fluid is specified by service manual or operators guide
- Loaders, lift trucks, and service trucks

DOT5

- DOT 5 is for extreme service conditions where higher than normal temperatures will be encountered or where moisture absorption is a problem.
- High performance cars and off-road vehicles

| Part Number | Size | Qty. |
|--------------|----------------|------|
| DOT 3 | | |
| 4C-5585 | 0.94 L (1 qt) | 12 |
| 4C-5586 | 3.78 L (1 gal) | 4 |
| DOT 5 | | |
| 4C-5588 | 0.94 L (1 qt) | 12 |

Governor Oil



For 3600 Engine Woodward Governor

| Part Number | Size | Qty. |
|-------------|--------------|------|
| 136-9642 | 0.95L (1 Qt) | 1 |

Hydraulic Oil Additive



Low friction additive for some hydraulic systems
 Relieves "stick-slip" on noisy hydraulic cylinders
 Not for use on machines which have a common sump for hydraulics, brake, and transmissions

| Part Number | Size | Qty. |
|-------------|-----------------------|------|
| 1U-9891 | 0395 L (1 qt) bottle | 12 |

Oil Stabilizer



- Reduces oil consumption
- Reduces engine wear
- Helps keep vital engine parts clean
- Reduces thermal oil and viscosity breakdown

| This product should only be used as needed in the following engines: | | |
|---|---|--|
| Engine Model | Engine Serial No. | |
| 3406E | 5EK1-Up, 5DS1-Up, 6TS1-Up, 1LW1-Up, 2WS1-Up, 1MM1-Up, 4AS1-Up | |
| C-15 | 6NZ1-82494 | |
| C-16 | 7CZ1-Up | |

| Part Number | QTY | Size |
|--------------------|------------|-------------|
| 143-3655 | 12 | 0.94 L |

Coolants

Health and Safety

Under normal conditions of intended use, these products do not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand that Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, visit us on the web at www.catmds.com.

Cat Coolant — APD

Cat offers extended life coolant which protects high-performing equipment and helps support customer's investments. Two options of extended life coolant include Cat ELC which contains Glycol and Cat ELI which is water based coolant that does not contain Glycol. Cat ELC and ELI provide industry leading corrosion resistance and longer engine life. This coolant uses Organic Acid Technology (OAT) with additives extending the life of the coolant without the need for supplemental coolant additive (SCA).

Cat DEAC and Cat NGEC offer conventional coolant proven technology which is an option for customers looking for lower up-front cost. Although it is less expensive up front, the over all lifetime cost is higher because DEAC/NGEC requires the need for SCA and frequent maintenance.

ELC

- Caterpillars factory-fill recommended premium product
- Reduces engine coolant and additive costs by as much as 500% compared to conventional coolants
- Longest lasting coolant product available
- Available in premixed & concentrate
- Incorporates an advanced formula technology

| Part Number | Liter | Gallon |
|-------------------------|-------|--------|
| 365-8395 | 4 | 1.06 |
| 365-8396 | 18 | 4.8 |
| 365-8397 | 200 | 52.8 |
| 365-8398 ⁽¹⁾ | 1000 | 264.2 |
| 365-8394 ⁽¹⁾ | 4 | 1.06 |



ELI

- Lasts three to six times longer than conventional coolants or commercial supplemental coolant additives (SCA) mixed with water. Allows for less frequent: checks of coolant health, replacement of inhibitors, and drains/flushes
- Available in premixed & concentrate
- No Glycol = No freeze protection

| Concentrate Part Number | Liter | Gallon |
|-------------------------|-------|--------|
| 351-9431 | 3.79 | 1 |
| 351-9432 | 20 | 5.3 |
| 351-9433 | 208 | 55 |
| Premix Part Number | Liter | Gallon |
| 469-2723 | 5 | 1.32 |
| 469-2724 | 20 | 5.3 |
| 469-2725 | 210 | 55.48 |



DEAC

- Protects the cooling system in your equipment over a temperature range of -34°F (-37°C) to 265°F (129°C) when used as a 50/50 percent mix with water
- Contains conventional coolant inhibitors providing superior protection for metal components, especially aluminum, against pitting and corrosion
- Formulation minimizes the formation of foam
- Available in Concentrate

| Part Number | Liter | Gallon |
|-------------|-------|--------|
| 365-8399 | 4 | 1.1 |
| 366-2713 | 200 | 52.8 |



NGEC

- Protects the cooling system of your natural gas engine over a temperature range of -34°F (-37°C) to 265°F (129°C)
- Designed to prevent freezing and boiling while providing superior component protection
- Approved for use in all Cat natural gas and diesel engines
- Available in Premixed

| Part Number | Liter | Gallon |
|-------------|-------|--------|
| 339-3766 | 1000 | 264.2 |
| 366-2714 | 4 | 1.1 |
| 366-2715 | 18 | 4.8 |
| 366-2716 | 200 | 52.8 |



Cat Coolant — ADSD

Cat offers extended life coolant which protects high-performing equipment and helps support customer's investments. Two options of extended life coolant include Cat ELC which contains Glycol and Cat ELI which is water based coolant that does not contain Glycol. Cat ELC and ELI provide industry leading corrosion resistance and longer engine life. This coolant uses Organic Acid Technology (OAT) with additives extending the life of the coolant without the need for supplemental coolant additive (SCA).

Cat DEAC and Cat NGEC offer conventional coolant proven technology which is an option for customers looking for lower up-front cost. Although it is less expensive up front, the over all lifetime cost is higher because DEAC/NGEC requires the need for SCA and frequent maintenance.

ELC

- Caterpillars factory-fill recommended premium product
- Reduces engine coolant and additive costs by as much as 500% compared to conventional coolants
- Longest lasting coolant product available
- Available in premixed & concentrate
- Incorporates an advanced formula technology

| Part Number | Liter | Gallon |
|-------------------------|-------|--------|
| 238-8648 | 3.79 | 1 |
| 238-8649 | 18.9 | 5 |
| 238-8650 | 208 | 55 |
| 361-1024 | 1041 | 275 |
| 156-2653 ⁽¹⁾ | 3.75 | 1 |
| 238-8647 ⁽¹⁾ | 3.79 | 1 |
| 215-4245 ⁽¹⁾ | 4 | – |
| 215-4246 ⁽¹⁾ | 20 | – |
| 215-4242 ⁽¹⁾ | 200 | – |



ELI

- Lasts three to six times longer than conventional coolants or commercial supplemental coolant additives (SCA) mixed with water. Allows for less frequent: checks of coolant health, replacement of inhibitors, and drains/flushes
- Available in Concentrate
- No Glycol = No freeze protection

| Part Number | Liter | Gallon |
|--------------------------|-------|--------|
| 351-9431 | 3.79 | 1 |
| 351-9432 | 20 | 5.3 |
| 351-9433 | 208 | 55 |
| 366-2753 | 1000 | 264.2 |
| ELI Premix – Brazil Only | | |
| 375-8009 | 200 | – |
| 375-8010 | 1000 | – |



DEAC

- Protects the cooling system in your equipment over a temperature range of -34°F (-37°C) to 265°F (129°C) when used as a 50/50 percent mix with water
- Contains conventional coolant inhibitors providing superior protection for metal components, especially aluminum, against pitting and corrosion
- Formulation minimizes the formation of foam
- Available in Concentrate

| Part Number | Liter | Gallon |
|-------------|-------|--------|
| 339-3768 | 3.79 | 1 |
| 339-3770 | 20 | 5.3 |
| 339-3769 | 208 | 55 |



NGEC

- Protects the cooling system of your natural gas engine over a temperature range of -34°F (-37°C) to 265°F (129°C)
- Designed to prevent freezing and boiling while providing superior component protection
- Approved for use in all Cat natural gas and diesel engines
- Available in Premixed

| Part Number | Liter | Gallon |
|-------------|-------|--------|
| 339-3776 | 3.79 | 1 |
| 339-3777 | 18.9 | 5 |
| 339-3778 | 208 | 55 |
| 339-3779 | 1041 | 275 |
| 339-3774 | 1 | 0.26 |



Coolants

Cat Coolant — EAME

Cat offers extended life coolant which protects high-performing equipment and helps support customer's investments. Two options of extended life coolant include Cat ELC which contains Glycol and Cat ELI which is water based coolant that does not contain Glycol. Cat ELC and ELI provide industry leading corrosion resistance and longer engine life. This coolant uses Organic Acid Technology (OAT) with additives extending the life of the coolant without the need for supplemental coolant additive (SCA).

Cat DEAC and Cat NGEC offer conventional coolant proven technology which is an option for customers looking for lower up-front cost. Although it is less expensive up front, the over all lifetime cost is higher because DEAC/NGEC requires the need for SCA and frequent maintenance.

ELC

- Caterpillars factory-fill recommended premium product
- Reduces engine coolant and additive costs by as much as 500% compared to conventional coolants
- Longest lasting coolant product available
- Available in premixed & concentrate
- Incorporates an advanced formula technology

| EAME Part Number | Liter | Gallon |
|-------------------------|-------|--------|
| 205-6611 | 5 | 1.32 |
| 205-6612 | 20 | 5.3 |
| 205-6613 | 210 | 55.5 |
| 205-6614 | 1000 | 264.2 |
| 205-6615 ⁽¹⁾ | 5 | 1.32 |



ELI

- Lasts three to six times longer than conventional coolants or commercial supplemental coolant additives (SCA) mixed with water. Allows for less frequent: checks of coolant health, replacement of inhibitors, and drains/flushes
- Available in Concentrate
- No Glycol = No freeze protection

| EAME Part Number | Liter | Gallon |
|------------------|-------|--------|
| 387-2877 | 20 | 5.3 |
| 387-2878 | 210 | 55.5 |



DEAC

Protects the cooling system in your equipment over a temperature range of -34°F (-37°C) to 265°F (129°C) when used as a 50/50 percent mix with water
 Contains conventional coolant inhibitors providing superior protection for metal components, especially aluminum, against pitting and corrosion
 Formulation minimizes the formation of foam
 Available in Concentrate

| EAME Part Number | Liter | Gallon |
|------------------|-------|--------|
| 362-2180 | 5 | 1.32 |
| 382-2181 | 210 | 55.5 |



NGEC

- Protects the cooling system of your natural gas engine over a temperature range of -34°F (-37°C) to 265°F (129°C)
- Designed to prevent freezing and boiling while providing superior component protection
- Approved for use in all Cat natural gas and diesel engines
- Available in Premixed

| EAME Part Number | Liter | Gallon |
|------------------|-------|--------|
| 362-2182 | 210 | 55.5 |



Cat ELC Extender



Recommended Use

- Protects against cylinder liner/block pitting and cavitation erosion.
- Should be added to Cat ELC at 500,000 km (300,000 miles) for Cat powered on highway trucks and 6,000 hours for commercial engines.
- Extender is typically necessary only once during the life of the coolant
- Ensures CAT ELC performance to 1,000,000 km (600,000 miles) or 12,000 hours

ELC Extender and Flush Intervals

Cat ELC Extender should be added after 6,000 hours or 300,000 miles (500,000 km) of operation, and the system should be drained and flushed with clean water after 12,000 hours or 600,000 miles (1,000,000 km). No cleaning agents are needed.

| Part Number | English Volume (gal) | Metric Volume (L) | Distribution Region |
|-------------------------|----------------------|-------------------|---------------------|
| Cat ELC Extender | | | |
| 119-5152 | >0.250 (1 Qt.) | — | — |
| 210-0786 | 1 | — | — |
| 215-4241 ⁽¹⁾ | — | 1 | Brazil |

Cat SCA

Application

- For regular maintenance use with Cat DEAC and other heavy duty diesel engine coolants requiring maintenance with SCA.
- For use in water-based cooling systems, such as marine applications that do not require glycol for antifreeze protection.
- Use for initial does in non-fully formulated (ASTM D4985) engine coolants

Features

- Helps stop rust and material deposits from forming in the cooling system.

Benefits

- Protects all metals.
- Protects against cylinder liner cavitation and corrosion.
- Will not affect gaskets or hoses.



| Part Number | English Volume (gal) | Metric Volume (L) |
|----------------|----------------------|-------------------|
| Cat SCA | | |
| 6V-3542 | .063 (1/2 pint) | — |
| 8T-1589 | .125 (1 pint) | — |
| 3P-2044 | .250 (1 qt) | — |
| 8C-3680 | 5 | — |
| 5P-2907 | 55 | — |
| 217-0616 | — | 1 |
| 217-0617 | — | 20 |
| 217-0618 | — | 208 |

Coolants

Cooling System Cleaner - Standard



Applications

- Cooling system cleaner, full effect after several weeks in the cooling system.
- Not for use in removing large amounts of oil from cooling systems.

Features

- Removes scale or lime deposits.

Benefits

- Cleans cooling system while the machine works.

| Part Number | English Volume (gal) | Metric Volume (L) |
|--------------|----------------------|-------------------|
| 6V-4511 (1) | 0.500 (2 qt.) | — |
| 185-5121 (1) | — | 1.89 |

Cooling System Cleaner - Quick Flush



Applications

- For use as preventative maintenance or as a short-time flush at the time of coolant change.
- Not for use in removing large amounts of oil from cooling systems.

Features

- Removes lime deposits, scale and solder bloom.

Benefits

- Allows for one-step cleaning in just 90 minutes.

| Part Number | English Volume (gal) | Metric Volume (L) |
|-------------|----------------------|-------------------|
| 4C-4609 | 0.125 (1 pt) | — |
| 4C-4610 | 0.250 (1 qt) | — |
| 4C-4611 | 1 | — |
| 4C-4612 | 5 | — |
| 4C-4613 | 55 | — |

Cat Cooling Conditioner for Aluminum Components

Passivates reactive aluminum components within the cooling system

For use with Cat Extended Life Coolant (ELC) in application with aluminum radiators

Inhibits the reaction that can cause depletion in nitrites in the Extended Life Coolant

1-Time treatment, on-going use is not required

| Part Number | English Volume | Metric |
|-------------|----------------|---------|
| 461-2417 | 0.5 fl oz | 15.0 mL |
| 369-0804 | 1.5 fl oz | 44.4 mL |
| 369-0805 | 2.5 fl oz | 73.9 mL |

275 Gallon Tote Ball Valve Dispensing Tool



To dispense coolant from 275-gallon totes, a new ball valve dispensing tool has been added to the Cat product line-up. It was designed specifically to dispense coolant from disposable totes.

The tote dispensing tool is easy to use, and instructions are included with each tool group. Also included are toll-free 800 numbers to receive assistance from an experienced professional on the ball valve tool, plus other accessories that may be useful per your specific installation.

The valve group should last for several years, but the cutting tool may dull, necessitating the replacement of the cutting tool only.

| Part Number | Description |
|---------------------------|---------------------|
| 232-4452 | Ball Valve Group |
| Group Consists of: | |
| 232-4451 | Ball Valve Assembly |
| 232-4450 | Cutting Tool |
| 239-5289 | Buttress Nipple |

Cooling Conditioner Test Kit



Applications

- Simple dip test just minutes to perform. Measures coolant nitrite levels.
- Use on coolants containing nitrites (for measuring nitrite levels)

Features

- Does not require dilution, titration or drops to count.

Benefits

- Includes a color density change for people with color blindness.

| Part Number | Product |
|-------------|--|
| 4C-9301 | Coolant Conditioner Test Kit (100 test strips, sample, bottle, pipette) |
| 4C-9297 | Refill test strips |

Battery and Coolant Refractometer



- Used to measure freezing point of coolants plus battery charge condition.
- Refractometer uses a prism and lens with simple focus adjustment to provide.
- Easy to operate
- Automatic temperature compensation (ATC)
- Requires only 2 to 3 drops of solution.
- Carrying case and calibration screwdriver included.
- Reads degrees Centigrade and Fahrenheit.

Coolants

Battery and Coolant Refractometer (Cont'd.)

| Range | Resolution |
|---|------------|
| -60 to 32° propylene glycol freeze point | 10°F |
| -50 to 0°C ethylene glycol freeze point | 5°C |
| 1.15 to 1.30 specific gravity of battery acid | 0.01 |

| Part Number | Product |
|-------------|-----------------------------------|
| 245-5829 | Battery and Coolant Refractometer |

Battery, Coolant and Diesel Exhaust Fluid Refractometer



- Digital refractometer is simple to use and to read
- Used for measuring concentration levels for multiple fluids including ethylene glycol-based coolants such as Cat ELC and Cat DEAC, propylene glycol-based coolants, Cat ELI and battery charge condition.
- Tool operating manual provides conversion for concentration of coolant glycol level to corresponding freeze protection level.
- Automatic temperature compensation
- Requires only a few drops of fluid
- Case and cleaning cloth included

| Part Number | Product |
|-------------|------------------------------|
| 360-0774 | Test Kit, Brix Refractometer |

Health and Safety

Cat Grease is developed, tested and approved by Caterpillar to meet the same high standards as all genuine Cat parts. Under normal conditions of intended use, these products do not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, visit us on the web at www.catmsds.com.

Cat Grease

Lithium Complex Thickener



Cat Utility grease

- NLGI 2
- General Purpose Product – where solid additives are not required
- Corrosion Protection – resists oxidation and protects metal against rust
- For low speed and low load applications where operating temperatures are between -20°C to $+140^{\circ}\text{C}$ (-4°F to $+284^{\circ}\text{F}$)



Cat Prime Application Grease

- NLGI 2
- Reduced Component Wear – resists softening and protects parts for optimal life
- Extreme Pressure – enhanced with 3% Moly for moderate loads
- Long life – for applications where speed, loads and temperature are moderate
- Performs and protects where operating temperatures are between -20°C to $+140^{\circ}\text{C}$ (-4°F to $+284^{\circ}\text{F}$)



Cat Extreme Application Grease – Arctic

- NLGI 0.5
- Extreme-Cold Operation – pumps and protects where operating temperatures are between -50°C to $+130^{\circ}\text{C}$ (-58°F to $+266^{\circ}\text{F}$)
- Extreme Pressure - 5% Moly for exceptional heavy duty performance
- Semi-synthetic base oil

Calcium Sulfonate Thickener



Cat Extreme Application Grease 1

- NLGI 1
- Extreme Pressure - 5% Moly added for extreme impact and wear resistance
- Moisture Resistance – resists washout from fresh and salt water
- Performs and protects where operating temperatures are between -20°C to $+140^{\circ}\text{C}$ (-4°F to $+284^{\circ}\text{F}$)



Cat Extreme Application Grease 2

- NLGI 2
- Extreme Pressure – 5% Moly added for extreme impact and wear resistance
- Moisture Resistance – resists washout from fresh and salt water
- Performs and protects where operating temperatures are between -15°C to $+140^{\circ}\text{C}$ ($+5^{\circ}\text{F}$ to $+284^{\circ}\text{F}$)



Cat Extreme Application Grease – Desert

- NLGI 2
- Extreme-Heat Operation – performs and protects where operating temperatures are between -10°C to $+140^{\circ}\text{C}$ ($+14^{\circ}\text{F}$ to $+284^{\circ}\text{F}$)
- Extreme Pressure - 5% Moly for exceptional heavy duty performance
- Mineral base oil

Greases

Specialty Greases



Cat Ball Bearing Grease

- Provides outstanding protection at high speeds and high temperatures associated with ball, needle and sealed bearing applications

Cat Hammer Paste ⁽¹⁾

- Formulated for extreme temperatures and applications. Prevents seizing and significantly slows wear in applications with repetitive impact and vibration

Cat High Vacuum Grease ⁽¹⁾

- Stiff silicone resists high temperatures while maintaining a seal under vacuum or pressure

Cat White Assembly Grease ⁽¹⁾

- Ideal for holding bearings, seals, gaskets and other parts during assembly

Cat Petro Gel Amber ⁽¹⁾

- Compound aiding in assembly of components

Reference Table

| Previous Cat Product Name | | Lithium Complex | | | Calcium Sulfonate Complex | | | Polyurea |
|------------------------------------|--------------------------------|--------------------|------------------------------|---|----------------------------------|----------------------------------|---|-----------------------------|
| | | Cat Multipurpose | Cat Advanced Moly | Cat Arctic Platinum | Cat Ultra5 Moly #1 | Cat Ultra5 Moly #2 | Cat Desert Gold | Cat High Speed Ball Bearing |
| Package Description ⁽¹⁾ | Size | Cat Utility Grease | Cat Prime Application Grease | Cat Extreme Application Grease - Arctic | Cat Extreme Application Grease 1 | Cat Extreme Application Grease 2 | Cat Extreme Application Grease - Desert | Cat Ball Bearing Grease |
| Cartridge ⁽¹⁾ | 450 g, 15.9 oz. ⁽¹⁾ | 452-6015 | 452-6010 | | 452-6000 | 452-6005 | 452-7458 | 454-0292 |
| Cartridge | 390 g, 14 oz. | 452-6011 | 452-6006 | 452-7459 | 452-5996 | 452-6001 | 452-6016 | 454-0291 |
| Plastic Pail | 16 kg, 35 lb. | 452-6014 | 452-6009 | 452-6020 | 452-5999 | 452-6004 | 452-6019 | |
| Keg | 55 kg, 120 lb. | 452-6013 | 452-6008 | 452-7461 | 452-5998 | 452-6003 | 452-6018 | |
| Drum | 180 kg, 400 lb. | 452-6012 | 452-6007 | 452-7460 | 452-5997 | 452-6002 | 452-6017 | |

| Package Description ⁽¹⁾ | Size | Specialty | | | |
|------------------------------------|----------------|------------------|------------------------|---------------------------|------------------------------|
| | | Al Complex | Silicone | Lithium Complex | Does Not Contain a Thickener |
| | | Cat Hammer Paste | Cat High Vacuum Grease | Cat White Assembly Grease | Petro Gel Amber |
| Cartridge | 390 g, 14 oz. | 130-6951 | | 129-1966 | |
| Cartridge-AutoLube | 390 g, 14 oz. | 317-8491 | | | |
| 12 pack of 317-8491 | 390 g, 14 oz. | 317-8492 | | | |
| Tube | 283 g, 10 oz. | | | 266-9682 | 369-9451 |
| Tube | 150 g, 5.3 oz. | | 6V-2055 | | |
| Plastic Pail | 2.72 kg, 6 lb. | | | | |
| Plastic Pail | 5 kg, 11 lb. | 133-8807 | | | 369-9450 |
| Plastic Pail | 16 kg, 35 lb. | | | 129-1969 | |

White Assembly Grease

Applications

- For use in general assembly and other light-duty applications.

Features

- Added tackifiers, making it ideal for holding gears, bearings, gaskets and other parts during assembly.
- Contains no molybdenum disulfide.

Benefits

- Exceptional general purpose Lithium Complex grease.

| Part Number | English Volume (gal) | Metric Volume (L) |
|----------------|----------------------|-------------------|
| NLGI #0 | | |
| 266-9682 | 10 oz (tube) | 254 g (tube) |
| NLGI #2 | | |
| 129-1966 | 14 oz (cartridge) | 397 g (cartridge) |
| 129-1969 | 35 (plastic pail) | 16 (plastic pail) |

High Vacuum Grease

- Applications where maintaining a seal under vacuum or pressure is required.

| Part Number | English Volume (gal) | Metric Volume (L) |
|-------------|----------------------|-------------------|
| 6V-2055 | 5.3 oz (tube) | 150 g (tube) |

Petro Gel Amber

- Retention Compound aiding in assembly of components.
- Provides overall compatibility in most application utilizing retention compounds
- High quality, meeting customer needs
- For use in the following applications
 - Engine Seals
 - Transmission Seals
 - Machine Seals
 - Hydraulic Cylinder Seals
- Should not be used on gaskets or piston seals

| Part Number | English Volume | Metric |
|-------------|----------------|---------|
| 369-9451 | 10 oz | 283 g |
| 369-9450 | 6 lb | 2.72 kg |

Fluids Part Numbers Charts

Cat Oils Part Numbers

| Engine Oils | | | | |
|--------------------------------|---------|----------|----------|----------|
| Product | Gallons | | Liters | |
| Cat DEO Cold Weather SAE 0W-40 | 1 | 361-0923 | 4 | 361-0923 |
| | 5.3 | 347-8469 | 5 | 347-8468 |
| | 54.2 | 347-8470 | 20 | 347-8469 |
| | | | 205 | 347-8470 |
| | | | 1000 | 444-3551 |
| | | | Bulk | 347-8471 |
| Cat DEO ULS 10W-30 | 1 | 317-3081 | 1 | 341-0729 |
| | 2.5 | 462-7704 | 4 | 378-8296 |
| | 5 | 317-3083 | 5 | 368-4792 |
| | 55 | 317-3084 | 20 | 308-1476 |
| | Bulk | 319-2260 | 208 | 317-3085 |
| | | | 1000 | 444-3549 |
| | | Bulk | 346-0465 | |
| Cat DEO-ULS 15W-40 | 1 | 291-3866 | 4 | 378-6535 |
| | 2.5 | 462-7705 | 5 | 368-4791 |
| | 5 | 291-3868 | 20 | 300-7915 |
| | 55 | 291-3869 | 208 | 301-2233 |
| | Bulk | 300-7013 | 1000 | 381-7214 |
| | | | Bulk | 349-2581 |
| Cat DEO 10W-30 | 2.5 | 468-9863 | 5 | 335-9830 |
| | 5 | 3E-9709 | 18 | 283-1709 |
| | 55 | 3E-9708 | 20 | 3E-9844 |
| | Bulk | 155-6198 | 200 | 130-7055 |
| | | | 208 | 3E-9707 |
| | | | 1000 | 148-3539 |
| | | 1100 | 384-8146 | |
| Cat DEO 15W-40 | 1 qt | 3E-9715 | 1 | 123-4077 |
| | 1 | 248-7518 | 4 | 3E-9902 |
| | 2.5 | 468-9714 | 5 | 3E-9901 |
| | 5 | 3E-9713 | 18 | 3E-9900 |
| | 55 | 3E-9712 | 19 | 3E-9849 |
| | Bulk | 155-6199 | 20 | 3E-9848 |
| | | | 60 | 121-4038 |
| | | | 200 | 3E-9842 |
| | | | 205 | 3E-9841 |
| | | | 208 | 3E-9840 |
| | | | 900 | 381-7213 |
| | | | 1000 | 3E-9838 |
| | | | 1040 | 201-0775 |
| | | | 1100 | 384-8147 |
| | | 2000 | 120-5285 | |
| | | 10,000 | 119-5131 | |
| DEO Monograde | 5 | 416-9247 | 20 | 7X-7843 |
| | 55 | 416-9246 | 200 | 9X-8528 |
| | Bulk | 155-6202 | 208 | 9X-6463 |
| | | | 1000 | 9X-6272 |
| | | | Bulk | 8C-3703 |
| Cat SAEO SAE 30 | 1 | 170-5262 | | |

Fluids Part Numbers Charts

Cat Oils Part Numbers (Cont'd.)

| Engine Oils | | | |
|-----------------|---------|----------|--------|
| Product | Gallons | | Liters |
| | 5 | 198-7368 | |
| | Bulk | 161-5824 | |
| Cat SAE0 SAE 40 | 1 | 170-5261 | |
| | 5 | 198-7369 | |

| Natural Gas Engine Oils | | | | |
|-------------------------|---------|----------|--------|----------|
| Product | Gallons | | Liters | |
| Cat NGEO Ultra 40 | 5 | 331-7382 | 20 | 331-7382 |
| | 55 | 331-7383 | 208 | 331-7383 |
| | | | Bulk | 331-7384 |
| Cat NGEO Advanced 40 | 5 | 381-2364 | 20 | 331-7030 |
| | 55 | 381-2365 | 208 | 331-7031 |
| | | | 1000 | 381-2367 |
| | | | Bulk | 331-7032 |
| Cat NGEO EL250 | | | 20 | 216-9221 |
| | | | 208 | 216-9224 |
| | | | Bulk | 7X-2426 |
| Cat NGEO EL350 | | | 20 | 225-5084 |
| | | | 205 | 269-1971 |
| | | | 208 | 225-5085 |
| | | | 1000 | 249-2309 |
| | | | Bulk | 283-0781 |
| | | | | |
| Cat NEGO SAE 40 | | | 19 | 121-0327 |
| | | | 200 | 197-6911 |
| | | | 205 | 9X-8527 |
| | | | 208 | 105-3336 |
| | | | 1000 | 159-8156 |

Fluids Part Numbers Charts

Cat Oils Part Numbers (Cont'd.)

| Hydraulic Oils | | | | |
|-----------------------|---------|----------|----------|----------|
| Product | Gallons | | Liters | |
| Cat HYDO Advanced 10 | 1 | 309-6932 | 5 | 309-6945 |
| | 2.5 | 462-7710 | 18 | 309-6944 |
| | 5 | 309-6931 | 19 | 309-6943 |
| | 55 | 309-6930 | 20 | 309-6942 |
| | Bulk G | 314-5168 | 60 | 309-6941 |
| | Bk Rail | 309-6929 | 200 | 309-6940 |
| | | | 205 | 309-6939 |
| | | | 208 | 309-6938 |
| | | | 1000 | 309-6937 |
| | | | 2000 | 309-6936 |
| | | | 10000 | 309-6935 |
| | | 15000 | 309-6934 | |
| Cat HYDO Advanced 20 | 1 | 422-6704 | 4 | 422-6709 |
| | 2.5 | 469-0585 | 5 | 422-6711 |
| | 5 | 422-6705 | 20 | 422-6712 |
| | 55 | 422-6706 | 208 | 422-6714 |
| | Bulk | 422-6703 | 1000 | 422-6715 |
| | | | Bulk | 422-6708 |
| Cat Hydo Advanced 30 | | | 18 | 319-5920 |
| | | | 20 | 319-5921 |
| | | | 200 | 319-5922 |
| | | | 208 | 319-5923 |
| | | | Bulk | 319-5919 |
| | | | | |
| Cat BIO HYDO Advanced | 5 | 339-3249 | 5 | 143-3218 |
| | 55 | 339-3250 | 20 | 341-2442 |
| | | | 208 | 341-2443 |

Fluids Part Numbers Charts

Cat Oils Part Numbers (Cont'd.)

| Transmission Oils | | | | |
|-----------------------------|---------|----------|--------|----------|
| Product | Gallons | | Liters | |
| Cat TDTO SAE 10W | 2.5 | 462-7706 | 5 | 100-7019 |
| | 5 | 8T-9568 | 19 | 145-0995 |
| | 55 | 8T-9569 | 20 | 7X-7852 |
| | Bulk | 155-6212 | 25 | 9X-8525 |
| | | | 200 | 112-2866 |
| | | | 205 | 7X-7851 |
| | | | 208 | 103-2528 |
| | | | 209 | 123-3104 |
| | | | 1000 | 166-0393 |
| | | | Bulk | 3P-0659 |
| Cat TDTO SAE 30 | 1 | 248-7521 | 4 | 452-6113 |
| | 2.5 | 462-7708 | 5 | 9X-6467 |
| | 5 | 8T-9572 | 18 | 9X-2010 |
| | 55 | 8T-9573 | 20 | 7X-7855 |
| | Bulk | 155-6213 | 200 | 7X-2888 |
| | | | 205 | 7X-7854 |
| | | | 208 | 9X-6466 |
| | | | 1000 | 7X-7611 |
| | | | Bulk | 2P-9869 |
| | | | | |
| Cat TDTO SAE 50 | 2.5 | 462-7709 | 4 | 452-6114 |
| | 5 | 8T-9576 | 5 | 9X-8443 |
| | 55 | 8T-9577 | 18 | 9X-2012 |
| | Bulk | 155-6214 | 20 | 7X-7858 |
| | | | 200 | 9X-8530 |
| | | | 205 | 7X-7857 |
| | | | 208 | 3E-9478 |
| | | | 1000 | 7X-7612 |
| | | | Bulk | 5P-1228 |
| | | | | |
| Cat TDTO Cold Weather 0W-20 | 1 | 341-1949 | 4 | 332-8851 |
| | 2.5 | 473-9037 | 20 | 228-6069 |
| | 5 | 228-6069 | 205 | 228-6070 |
| | 55 | 228-6070 | 208 | 466-5027 |
| | | | 1000 | 444-3552 |
| | | | Bulk | 343-7108 |
| Cat TDTO TMS | 2.5 | 469-0584 | 20 | 154-0196 |
| | 5 | 154-0195 | 208 | 154-0197 |
| | 55 | 154-0194 | 1000 | 444-3553 |
| | Bulk | 154-0192 | Bulk | 154-0193 |
| Cat SATO | 5 | 427-0401 | 20 | 427-0375 |
| | 55 | 427-0443 | 208 | 427-0388 |
| | | | Bulk | 427-0372 |

Fluids Part Numbers Charts

Cat Oils Part Numbers (Cont'd.)

| Axle and Final Drive Oils | | | | |
|---------------------------|---------|----------|--------|----------|
| Product | Gallons | | Liters | |
| Cat FDAO 60 | 5 | 184-6022 | 18 | 206-5210 |
| | 55 | 184-6021 | 20 | 184-8055 |
| | Bulk | 184-6020 | 200 | 198-7672 |
| | | | 205 | 201-9855 |
| | | | 208 | 184-8056 |
| | | | 1000 | 221-3445 |
| | | | 1200 | 202-9753 |
| | | | Bulk | 184-8054 |
| FDAO SYN | 5 | 208-2390 | 18 | 206-5211 |
| | 55 | 198-7450 | 208 | 206-5212 |
| | | | 1000 | 454-9064 |

| Gear Oils | | | | |
|------------------------|---------|----------|--------|----------|
| Product | Gallons | | Liters | |
| Cat GO 80W-90 | 2.5 | 462-7781 | 5 | 9X-6470 |
| | 5 | 8T-9582 | 20 | 7X-7867 |
| | 30 | 8T-9583 | 60 | 7X-7887 |
| | 55 | 8T-9584 | 200 | 424-2169 |
| | Bulk | 155-6220 | 208 | 9X-6469 |
| | | | 1000 | 119-5129 |
| | | | Bulk | 2P-9863 |
| Cat GO 85W-140 | 2.5 | 462-7784 | 4 | 7X-7618 |
| | 5 | 9X-6185 | 18 | 133-9643 |
| | | | 20 | 7X-7617 |
| | | | 200 | 205-4312 |
| | | | 205 | 7X-7616 |
| | | | 208 | 161-1246 |
| | | | 1000 | 7X-7615 |
| Cat GO Syn SAE 75W-140 | 1qt | 350-9510 | 4 | 350-9509 |
| | 1 | 350-9509 | 19 | 242-3466 |
| | 5 | 242-3466 | 208 | 242-3467 |
| | 55 | 242-3467 | Bulk | 8C-3400 |
| Cat GO Syn SAE 75W-90* | 1 | 482-5847 | 4 | 482-5850 |
| | 2.5 | 481-2071 | 5 | 482-5851 |
| | 5 | 482-5848 | 20 | 482-5852 |
| | 55 | 482-5849 | 208 | 482-5853 |
| | | | Bulk | 473-2331 |

* Available 3Q 2015

**Contact your Cat Dealer to determine your specific size p/n

Fluids Part Numbers Charts

Cat Oils Part Numbers (Cont'd.)

| Specialty Oils | | | | |
|----------------|---------|----------|--------|----------|
| Product | Gallons | | Liters | |
| Cat MTO | 2.5 | 462-7711 | 5 | 172-6894 |
| | 5 | 105-3335 | 18 | 135-3189 |
| | 55 | 105-3334 | 20 | 109-4395 |
| | Bulk | 155-6218 | 200 | 126-2700 |
| | | | 205 | 138-4271 |
| | | | 208 | 120-5286 |
| | | | Bulk | 105-3333 |
| Compactor Oil | 1 | 353-4980 | 19 | 185-4759 |
| | 5 | 4C-6767 | 20 | 456-5476 |
| | 55 | 417-9262 | 208 | 456-5477 |
| | | | Bulk | 143-5466 |

| Oil Additives | | | |
|---------------------------------|-------------|-----|--------------|
| | Part Number | Qty | Size |
| Brake Fluid - DOT 3 | 4C-5585 | 12 | .94 L (1 Qt) |
| | 4C-5586 | 4 | 3.79L (1Gal) |
| Brake Fluid - DOT 5 | 4C-5588 | 12 | .94 L (1 Qt) |
| Governor Oil | 136-9642 | 1 | .94L (1 qt) |
| Cat Axle and Brake Oil Additive | 197-0017 | | .95L (1 qt) |
| Oil Stabilizer | 143-3655 | 12 | .94L (1 qt) |
| Hydraulic Oil Additive | 1U-9891 | 12 | .94L (1 qt) |

Fluids Part Numbers Charts

Coolant Part Numbers

| Coolants | | | | | | |
|-----------------|------------------------------|---------|----------|------------------------|----------|----------|
| Product | Region | Gallons | | Region | Liters | |
| ELC Concentrate | America's - Except Brazil | 1 | 238-8647 | APD | 4 | 365-8394 |
| | | | | EAME | 5 | 205-6615 |
| ELC 50/50 | America's - Except Brazil | 1 | 238-8648 | APD | 4 | 365-8395 |
| | America's - Except Brazil | 5 | 238-8649 | APD | 18 | 365-8396 |
| | America's - Except Brazil | 55 | 238-8650 | APD | 200 | 365-8397 |
| | America's - Except Brazil | 275 | 361-1024 | APD - Except Australia | 1000 | 365-8398 |
| | America's - Except Brazil | Bulk | 156-2653 | Brazil | 4 | 215-4245 |
| | | | | Brazil | 20 | 215-4246 |
| | | | | Brazil | 200 | 215-4242 |
| | | | | EAME | 5 | 205-6611 |
| | | | | EAME | 20 | 205-6612 |
| | | | | EAME | 210 | 205-6613 |
| | | | EAME | 1000 | 205-6614 | |
| ELI Concentrate | America's - Except Brazil | 1 | 351-9431 | APD | 3.79 | 351-9431 |
| | America's - Except Brazil | 5 | 351-9432 | APD | 20 | 351-9432 |
| | America's - Except Brazil | 55 | 351-9433 | APD | 208 | 351-9433 |
| | America's - Except Brazil | 264.2 | 366-2753 | EAME | 20 | 387-2877 |
| ELI Premix | | | | EAME | 210 | 387-2878 |
| | | | | APD | 5 | 469-2723 |
| | | | | APD | 20 | 469-2724 |
| | | | | APD | 210 | 469-2725 |
| | | | | Brazil | 200 | 375-8009 |
| | | | Brazil | 1000 | 375-8010 | |
| DEAC | America's - Except Brazil | 1 | 339-3768 | APD | 4 | 365-8399 |
| | America's - Including Brazil | 5 | 339-3770 | APD | 200 | 366-2713 |
| | America's - Including Brazil | 55 | 339-3769 | Brazil | 20 | 339-3770 |
| | | | | Brazil | 208 | 339-3769 |
| | | | | EAME | 5 | 362-2180 |
| | | | | EAME | 210 | 362-2181 |
| NGEC | America's - Except Brazil | 1 | 339-3776 | APD | 4 | 366-2714 |
| | America's - Except Brazil | 5 | 339-3777 | APD | 18 | 366-2715 |
| | America's - Including Brazil | 55 | 339-3778 | APD | 200 | 366-2716 |
| | America's - Except Brazil | 275 | 339-3779 | APD | 1000 | 339-3766 |
| | | | | Brazil | 208 | 339-3778 |
| | | | | EAME | 210 | 362-2182 |

Fluids Part Numbers Charts

Grease

| Part Number | Product | Package | Qty Standard | Qty Metric |
|-------------|--|------------------|--------------|------------|
| 452-5996 | Cat Extreme Application Grease #1 | Cartridge | 0.859 lb | 390 g |
| 452-5997 | Cat Extreme Application Grease #1 | Drum | 396.8 lb | 180 kg |
| 452-5998 | Cat Extreme Application Grease #1 | Keg | 121.3 lb | 55 kg |
| 452-5999 | Cat Extreme Application Grease #1 | Pail | 35.3 lb | 16 kg |
| 452-6000* | Cat Extreme Application Grease #1 | Cartridge | 0.992 lb | 450 g |
| 452-6001 | Cat Extreme Application Grease #2 | Cartridge | 0.859 lb | 390 g |
| 452-6002 | Cat Extreme Application Grease #2 | Drum | 396.8 lb | 180 kg |
| 452-6003 | Cat Extreme Application Grease #2 | Keg | 121.3 lb | 55 kg |
| 452-6004 | Cat Extreme Application Grease #2 | Pail | 35.3 lb | 16 kg |
| 452-6005* | Cat Extreme Application Grease #2 | Cartridge | 0.992 lb | 450 g |
| 452-6006 | Cat Prime Application Grease | Cartridge | 0.859 lb | 390 g |
| 452-6007 | Cat Prime Application Grease | Drum | 396.8 lb | 180 kg |
| 452-6008 | Cat Prime Application Grease | Keg | 121.3 lb | 55 kg |
| 452-6009 | Cat Prime Application Grease | Pail | 35.3 lb | 16 kg |
| 452-6010* | Cat Prime Application Grease | Cartridge | 0.992 lb | 450 g |
| 452-6011 | Cat Utility Grease | Cartridge | 0.859 lb | 390 g |
| 452-6012 | Cat Utility Grease | Drum | 396.8 lb | 180 kg |
| 452-6013 | Cat Utility Grease | Keg | 121.3 lb | 55 kg |
| 452-6014 | Cat Utility Grease | Pail | 35.3 lb | 16 kg |
| 452-6015* | Cat Utility Grease | Cartridge | 0.992 lb | 450 g |
| 452-6016 | Cat Extreme Application Grease-Desert | Cartridge | 0.859 lb | 390 g |
| 452-6017 | Cat Extreme Application Grease-Desert | Drum | 396.8 lb | 180 kg |
| 452-6018 | Cat Extreme Application Grease-Desert | Keg | 121.3 lb | 55 kg |
| 452-6019 | Cat Extreme Application Grease-Desert | Pail | 35.3 lb | 16 kg |
| 452-7458* | Cat Extreme Application Grease-Desert | Cartridge | 0.992 lb | 450 g |
| 452-7459 | Cat Extreme Application Grease-Arctic | Cartridge | 0.859 lb | 390 g |
| 452-7460 | Cat Extreme Application Grease-Arctic | Drum | 396.8 lb | 180 kg |
| 452-7461 | Cat Extreme Application Grease-Arctic | Keg | 121.3 lb | 55 kg |
| 452-6020 | Cat Extreme Application Grease-Arctic | Pail | 35.3 lb | 16 kg |
| 454-0291 | Cat Ball Bearing Grease | Cartridge | 0.859 lb | 390 g |
| 454-0292* | Cat Ball Bearing Grease | Cartridge | 0.992 lb | 450 g |
| 424-1487 | Cat Open Gear Lubricant - Cold Weather | Drum | 400 lb | 181.4 kg |
| 424-1488 | Cat Open Gear Lubricant - Cold Weather | Tote | 2100 lb | 952.5 kg |
| 424-1485 | Cat Open Gear Lubricant - Warm Weather | Drum | 400 lb | 181.4 kg |
| 424-1486 | Cat Open Gear Lubricant - Warm Weather | Tote | 2100 lb | 952.5 kg |
| 424-1480** | Cat Open Gear Lubricant - Cold Weather | Drum | 400 lb | 181.4 kg |
| 424-1489** | Cat Open Gear Lubricant - Cold Weather | Tote | 2100 lb | 952.5 kg |
| 424-1470** | Cat Open Gear Lubricant - Warm Weather | Drum | 400 lb | 181.4 kg |
| 424-1477** | Cat Open Gear Lubricant - Warm Weather | Tote | 2100 lb | 952.5 kg |
| 130-6951 | Cat Hammer Paste | Cartridge | 14 oz | 397 g |
| 133-8807 | Cat Hammer Paste | Tub | 11 lbs | 5 kg |
| 317-8491 | Cat Hammer Paste | Auto Lube Cart | - | - |
| 317-8492 | Cat Hammer Paste | 12-pack Autolube | - | - |

Fluids Part Numbers Charts

Grease (Cont'd.)

| Part Number | Product | Package | Qty Standard | Qty Metric |
|---|---------|---------|--------------|------------|
| *450g cartridge available only in Australia and New Zealand | | | | |
| ** Cat OGL part numbers for Brazil only | | | | |

| Misc Greases | | |
|-------------------------|----------------|----------|
| Petro Amber Gel | 2.72 kg 6 lb | 369-9450 |
| Petro Amber Gel | 283 g, 10 oz. | 369-9451 |
| White Assembly Grease | 397 g, 14 oz. | 129-1966 |
| White Assembly Grease | 16 kg, 35 lb | 129-1969 |
| White Assembly Compound | 283 g, 10 oz. | 266-9682 |
| High Vacuum Grease | 150 g, 5.3 oz. | 6V-2055 |

Filters and Fluids Marketing Media

Cat Customers: For more information about the materials listed below, contact your local Cat Dealer. Cat Dealer Personnel: This information can be accessed in the Global Sales Library, gsl.cat.com.

Filters

| Media Number | Description | Type of Product | Type of Media |
|--------------|---|--|---------------|
| LEDQ6225 | Cat The Inside Story: Cat Fuel, Oil, and Transmission Filters | Fuel, Oil and Power Transmission Filters | Brochure |
| PEHJ0068 | Cat Advanced Efficiency Engine Oil Filters | Engine Oil Filters | Datasheet |
| PEHJ0082 | Cat Fuel Water Separators and PrimeTime Priming Pumps | Fuel Filters | Datasheet |
| PEHJ0342 | Bowless FWS | Fuel Filters | Datasheet |
| PEHP7032 | Cat Radial Seal Air Filters | Air Filters | Datasheet |
| PEHP9013 | Cat Air Filter Service Indicator | Air Filters | Datasheet |

| Media Number | Description | Type of Product | Type of Media |
|--------------|--|-----------------------------------|---------------|
| PEHP7077 | Cat Turbine PreCleaners | Air Filters | Datasheet |
| PEHP6028 | Cat UHE Air Filters | Air Filters | Datasheet |
| PEHJ0069 | Cat Hydraulic and Transmission Filters | Hydraulic and Power Train Filters | Datasheet |
| PEHJ0251 | Cat Transmission Filters | Transmission Filters | Datasheet |
| PEHJ0165 | Cat Open Crankcase Ventilation Filters | Power Train Filters | Datasheet |
| PEWJ0233 | Marine White Filters Flyer | Marine Filters | Datasheet |

Oils

| Media Number | Description | Type of Product | Type of Media |
|--------------|---|-----------------|---------------|
| PEHJ0072 | Cat DEO Brazil | Lubricant | Datasheet |
| PEHJ0021 | Cat DEO (Worldwide except North America, Egypt, Saudi Arabia, Brazil) | Lubricant | Datasheet |
| PEHJ0091 | Cat DEO (Egypt & Saudi Arabia) | Lubricant | Datasheet |
| PEHJ0059 | Cat DEO (North America) | Lubricant | Datasheet |
| PEHJ0093 | Cat DEO (Monograde) | Lubricant | Datasheet |
| PEHJ0008 | Cat DEO-ULS Cold Weather | Lubricant | Datasheet |
| PEHJ0159 | Cat DEO-ULS | Lubricant | Datasheet |
| PEHP0004 | Cat NGE0 | Lubricant | Datasheet |
| PEHJ0218 | Cat NGE0 Advanced 40 (Pakistan) | Lubricant | Datasheet |
| PEHJ0219 | Cat NGE0 Ultra 40 | Lubricant | Datasheet |

| Media Number | Description | Type of Product | Type of Media |
|--------------|-----------------------|-----------------|---------------|
| PEHP6047 | Cat Bio HYDO Advanced | Lubricant | Datasheet |
| PEHJ0182 | Cat HYDO Advanced 10 | Lubricant | Datasheet |
| PEHJ0440 | Cat Hydo Advanced 20 | Lubricant | Datasheet |
| PEHJ0214 | Cat HYDO Advanced 30 | Lubricant | Datasheet |
| PEHP7506 | Cat TDTO | Lubricant | Datasheet |
| PEHP8035 | Cat TDTO-TMS | Lubricant | Datasheet |
| PEHJ0007 | Cat TDTO Cold Weather | Lubricant | Datasheet |
| PEHP9530 | Cat FDAO | Lubricant | Datasheet |
| PEHP9570 | Cat FDAO SYN | Lubricant | Datasheet |
| PEHP7508 | Cat GO | Lubricant | Datasheet |
| PEHJ0030 | Cat Synthetic GO | Lubricant | Datasheet |
| PEHP3050 | Cat MTO | Lubricant | Datasheet |
| PEHJ0006 | Cat NGE0 EL350 | Lubricant | Datasheet |

Literature Reference

Coolants

| Media Number | Description | Type of Product | Type of Media |
|--------------|-------------|-----------------|---------------|
| PEHJ0067 | Cat ELC | Coolant | Datasheet |
| PEHJ0263 | Cat ELI | Coolant | Datasheet |
| PEHP9554 | Cat DEAC | Coolant | Datasheet |

| Media Number | Description | Type of Product | Type of Media |
|--------------|-----------------------------------|-----------------|---------------|
| PEHJ0040 | Cat NGEC | Coolant | Datasheet |
| PEHJ0448 | Coolant Non-Pelleted Filter Flyer | Coolant | Datasheet |

Greases

| Media Number | Description | Type of Product | Type of Media |
|--------------|---|-----------------|---------------|
| PEHJ0408 | Cat Utility Grease | Grease | Datasheet |
| PEHJ0404 | Cat Prime Application | Grease | Datasheet |
| PEHJ0403 | Cat Extreme Application Grease | Grease | Datasheet |
| PEHJ0406 | Cat Extreme Application Grease - Desert | Grease | Datasheet |

| Media Number | Description | Type of Product | Type of Media |
|--------------|---|-----------------|---------------|
| PEHJ0407 | Cat Extreme Application Grease - Arctic | Grease | Datasheet |
| PEHJ0405 | Cat Ball Bearing Grease | Grease | Datasheet |
| PEHJ0255 | Cat Hydraulic Hammer Grease | Grease | Datasheet |
| PEHJ0327 | Cat Open Gear Lubricant (OGL) | Grease | Datasheet |

Filters Datasheets

The Caterpillar Media Information Center (CMIC) contains the most current PDF publications available for Dealer download.

Click this link to search the datasheets listed below on CMIC: <https://cmic.cat.com/>

LEDQ6225 - Inside Story
PEHJ0068 - Advanced High Efficiency Oil Filter
PEHJ0082 - Fuel Water Separator
PEHJ0342 - Bowless FWS
PEHP7032 - Radial Seal Air Filters
PEHP9013 - Air Filter Service Indicator
PEHP7077 - Turbine PreCleaner
PEHP6028 - UHE Air Filters
PEHJ0069 - Hydraulic and Transmission Filters
PEHJ0251 - Transmission PDS
PEHJ0165 - Open Crankcase Ventilation
PEWJ0233 - Marine Pleasure Craft Filters

Datasheet References

Oils Datasheets

The Caterpillar Media Information Center (CMIC) contains the most current PDF publications available for Dealer download.

Click this link to search the datasheets listed below on CMIC: <https://cmic.cat.com/>

PEHJ0072 - DEO BRAZIL
PEHJ0021 - DEO
PEHJ0091 - DEO
PEHJ0059 - DEO
PEHJ0093 - DEO Monograde
PEHJ0008 - DEO-ULS Cold Weather
PEHJ0159 - DEO-ULS
PEHP0004 - NCEO
PEHJ0218 - NCEO Advanced 40
PEHJ0219 - NCEO Ultra 40
PEHP6047 - Bio Hydro Adv
PEHJ0182 - HYDO Advanced 10
PEHJ0440 - HYDO Advanced 20
PEHJ0214 - HYDO Advanced 30
PEHP7506 - TDTO
PEHP8035 - TDTO-TMS
PEHJ0007 - TDTO Cold Weather
PEHJ0368 - SATO
PEHP9530 - FDAO
PEHP9570 - FDAO SYN
PEHP7508 - GO
PEHJ0030 - Syn GO
PEHP3050 - MTO

Coolants Datasheets

The Caterpillar Media Information Center (CMIC) contains the most current PDF publications available for Dealer download.

Click this link to search the datasheets listed below on CMIC: <https://cmic.cat.com/>

PEHJ0067 - ELC

PEHJ0263 - ELI

PEHP9554 - DEAC

PEHJ0040 - NGEC

PEHJ0448 - Discontinuation of Cat Pelleted Coolant Filters

Datasheet References

Greases Datasheets

The Caterpillar Media Information Center (CMIC) contains the most current PDF publications available for Dealer download.

Click this link to search the datasheets listed below on CMIC: <https://cmic.cat.com/>

- PEHJ0408 - Utility Grease
- PEHJ0404 - Prime Application
- PEHJ0403 - Extreme Application Grease
- PEHJ0406 - Extreme App Grease – Desert
- PEHJ0407 - Extreme Application Grease – Arctic
- PEHJ0405 - Ball Bearing Grease
- PEHJ0255 - Hydraulic Hammer Grease
- PEHJ0327 - Open Gear Lubricant (OGL)

