

# Caterpillar® Preventive Maintenance Products for On-Highway Engines and Transmissions

## Filters for Cat® On-Highway Engines

### EPA '07 Engines

FILTER TYPE	PART #
<b>C7 (C7S)</b>	
Engine Oil, Advanced High Efficiency, Spin-on	1R1807
Fuel Secondary, Advanced High Efficiency, Spin on	1R0751
Fuel - Water Separator, Spin On	175-2949

<b>C9 (C9S)</b>	
Engine Oil, Advanced High Efficiency, Spin on	1R1808
Fuel Secondary, Advanced High Efficiency, Spin on	1R0751
Fuel - Water Separator, Spin On	175-2949

<b>C13 (LEE)</b>	
Engine Oil, Advanced High Efficiency, Spin on, (2)	249-2347
Fuel Secondary, Advanced High Efficiency, Spin on	1R0749
Fuel Water Separator, Spin On	256-8753
Crankcase Ventilation Filter (CV)	296-8325

<b>C15 (SDP)</b>	
Engine Oil, Advanced High Efficiency, Spin-on	1R1808
Fuel Secondary, Advanced High Efficiency, Spin on	1R0749
Fuel Water Separator, Spin On	256-8753
Crankcase Ventilation Filter (CV)	296-8325

### CRS Parts for EPA '07 Engines

<b>C15 (SDP)</b>	
CRS Nozzle Cleaner (if needed)	308-1504
CRS Spark Plug	295-3099

### EPA '04 Engines

<b>C7</b>	
Engine Oil, Advanced High Efficiency, Spin on	1R1807
Fuel Secondary, Advanced High Efficiency, Spin on	1R0751
Fuel - Water Separator, Spin On	175-2949

<b>C9</b>	
Engine Oil, Advanced High Efficiency, Spin-on	1R1808
Fuel Secondary, Advanced High Efficiency, Spin on	1R0751
Fuel - Water Separator, Spin On	175-2949

<b>C11, C13, C15</b>	
Engine Oil, Advanced High Efficiency, Spin on	1R1808
Fuel Secondary, Advanced High Efficiency, Spin on	1R0749
Fuel - Water Separator, Spin On	256-8753

### Filters for Cat On-Highway Transmissions

<b>CX28</b>	
Filter Assembly - Non PTO - Spin-on	126-1815
Filter Assembly - PTO - Spin-on	102-2828
Element - PTO Cartridge	280-7427
Element - Non PTO Cartridge	280-7424

<b>CX31 and CX35</b>	
Filter - Ultra High Efficiency	126-1817
Element - Filter	249-2329

### Legacy Engines

FILTER TYPE	PART #
<b>3116 (2FR, 9LN)</b>	
Engine Oil, Advanced High Efficiency, Spin-on	1R1807
Engine Oil, Standard Efficiency, Spin-on	1R0739
Fuel Secondary, Advanced High Efficiency <sup>1</sup> , Spin on	1R0750
Fuel Secondary, Advanced High Efficiency <sup>2</sup> , Spin on	1R0751

<b>3116 (2BK, 7SF, 8WL, 9YN)</b>	
Engine Oil, Advanced High Efficiency, Spin-on	1R1807
Engine Oil, Standard Efficiency, Spin-on	1R0739
Fuel Secondary, Advanced High Efficiency, Spin-on	1R0750
Fuel Primary, Standard Efficiency, Spin-on	1R0740

<b>3116 (9GK)</b>	
Engine Oil, Advanced High Efficiency, Spin on	1R1807
Engine Oil, Standard Efficiency, Spin on	1R0739
Fuel Secondary, Advanced High Efficiency <sup>1</sup> , Spin on	1R0750
Fuel Secondary, Advanced High Efficiency <sup>2</sup> , Spin on	1R0751
Fuel Primary, Standard Efficiency, Spin On	1R0740

<b>3126, 3126B, 3126E</b>	
Engine Oil, Advanced High Efficiency, Spin on	1R1807
Engine Oil, Standard Efficiency, Spin On	1R0739
Fuel Secondary, Advanced High Efficiency, Spin on	1R0751
Fuel - Water Separator, Spin On	175-2949

<b>3176</b>	
Engine Oil, Advanced High Efficiency, Spin on	1R1808
Engine Oil, Standard Efficiency, Spin on	1R0716
Fuel Secondary, Advanced High Efficiency, Spin on	1R0749
Fuel Secondary, Standard Efficiency, Spin on	1R1712
Engine Oil, Standard Efficiency (2), Spin on	1R0713
Engine Oil, Standard Efficiency (2), Spin on	1R0714
Fuel Secondary, Advanced High Efficiency, Spin on	1R0750
Fuel Primary, Standard Efficiency, Spin On	1R1740

<b>3306</b>	
Engine Oil, Advanced High Efficiency, Spin-on	1R1807
Engine Oil, Standard Efficiency, Spin On	1R0739
Fuel Secondary, Advanced High Efficiency, Spin-on	1R0750
Fuel Primary, Standard Efficiency, Spin On	1R1740
Fuel - Water Separator, Spin On	256-8753

<b>3406, 3406B, 3406C, 3406E, C-10/C-12, C-15/C-16</b>	
Engine Oil, Advanced High Efficiency, Spin on	1R1808
Engine Oil, Standard Efficiency, Spin On	1R0716
Fuel Secondary, Advanced High Efficiency, Spin on	1R0749
Fuel Secondary, Standard Efficiency, Spin On	1R1712
Fuel - Water Separator, Spin On	256-8753

<b>UHE (Ultra High Efficiency) Options</b>	
1R0751	364-5287
1R0749	416-1225
1R1808	563-8152

Advanced high efficiency fuel and oil filters are the preferred maintenance option for superior contamination control.

<sup>1</sup> Thread size for the 1R0750 is 1-14-UNS-2B  
<sup>2</sup> Thread size for the 1R0751 is 7/8-14-UNF-2B

# Fluids for Cat® On-Highway Engines

## Diesel Engine Oils

All 2007 Engine Models	Cat DEO-ULS	Part Number	Quantity	Application
	15W-40 CK-4	515-3973	1 Gallon (3.785 liters)	Required for diesel engines with low sulfur fuel
		515-3975	5 Gallon (19 liters)	
		515-3976	55 Gallon (208 liters)	
Cat DEO-ULS SYN	5W-40 CK-4	515-3993	1 Gallon	All diesel engines
		515-3995	1 Gallon	
Cat DEO-ULS Cold Weather	0W-40 CK-4	515-3998	20 Liter	
		515-3999	205 Liter	
All pre-2007 Engine Models	*Available for Canadian dealers only			
Cat DEO™ Engine Oil	15W-40 CI-4	248-7518	1 Gallon	All diesel engines
		3E9713	5 Gallon	
		3E9712	55 Gallon	
	10W-30 CI-4	3E9709	5 Gallon	
		3E9708	55 Gallon	
		3E9844	*20 Liter	
Synthetic Automatic Transmission Fluid				
Cat ATF-HD2		394-4780	1 Gallon	CX28, CX31 & CX35 transmission
		394-4779	5 Gallon	
Coolant Products				
Cat ELC™ Extended life coolant Extends coolant life to 600,000 miles (1,000,000 km) or 6 years with extender added at half-life	Premix 50/50 with Embitterment** Embitterment is used to reduce the risk of poisoning, particularly to children and animals.	238-8648	1 Gallon	All diesel engines
		238-8649	5 Gallon	
		238-8650	55 Gallon	
		361-1024	275 Gallon*	
Cat ELC Extender Use at half-life of ELC	Concentrate with Embitterment**	238-8647	1 Gallon	
		119-5152	1 Quart	
Cat DEAC™ Conventional coolant	Concentrate with Embitterment**	210-0786	1 Gallon	
		339-3768	1 Gallon	
Cat SCA Supplemental coolant additive		339-3769	55 Gallon	
		6V3542	8 oz.	
		8T1589	16 oz.	
		3P2044	1 Quart	
		8C3680	5 Gallon	
Coolant Flush - Radiator Cleaner	Fast Acting	5P2907	55 Gallon	
		4C4609	16 oz.	
		4C4610	1 Quart	
		4C4611	1 Gallon	
		4C4612	5 Gallon	
	4C4613	55 Gallon		
	Standard	6V4511	0.5 Gallon	
Coolant Conditioner Test Kit	Tests nitrite level	4C9301	100 strips in kit	ELC, DEAC, NGEC
Refill Test Kits		4C9297	50 strips	

# Maintenance for Cat® On-Highway Engines

## Diesel Engine Oils

Cat Preventive Maintenance Kits							
Engine	Kit Part Number	Oil Filter	Adv High Efficiency Fuel Filter	S•O•S <sup>SM</sup> Oil Analysis Sample Kit (Oil Sample Kit)	Fuel/Water Separator (Primary Fuel Filter)	DEAC Spin-on Filter	SCA (Liquid Additive) for DEAC (Conventional Coolant)
<b>Kits for Use with ELC (No DEAC Spin-on filter or SCA/liquid additive required with ELC)</b>							
3116, 3126/B/E	173-5325	1R0739	1R0751	4C4600			
3116, 3126/B/E, C7	283-9819	1R1807	1R0751	4C4600	175-4929		
3176, 3406/B/C/E, C-10, C-12, C-15, C-16	173-4431	1R0716	1R0749	4C4600			
3176, 3406/B/C/E, C-10, C-12, C-15, C-16 283-9820 1R1808 1R0749 4C4600 256-8793C11, C13, C15	283-9820	1R1808	1R0749	4C4600	256-8793		
3176, 3406, C-10, C-12, C-15, C-16	285-5241	1R0716	1R0749		256-8753		
3176, 3406, B, C, E, C-10, C-12, C-15, C-16, C11, C13, C15	283-9821	1R1808	1R0749		256-8753		
<b>C15Kits for Use with DEAC (Conventional Coolant)</b>							
3116(2FR,9LN,9GK), 3126/B/E	173-5326	1R0739	1R0751	4C4600			
3176, 3406, C-10, C-12, C-15, C-16	163-1129	1R0716	1R0749			9N3368	8T1589 16oz Conditioner
	163-1128	1R0716	1R0749				
	163-1127	1R0716	1R0749	4C4600		9N3368	8T1589 16oz Conditioner
	163-1126	1R0716	1R0749	4C4600			

Batteries				
Application	Part Number	CCA	RC (minutes)	BCI Group Size
<b>Cat Racing Batteries - Highest CCA's in the industry - Maintenance Free*</b> Deep Cycle and Starting battery for sleepers, reefers, transit buses, RV's and school buses. Applications with extensive key-off usage of in-cab accessories or Inverters.	175-4360	710	185	GP31 w/Stud Terminals
Starting and Deep Cycle battery for applications that include long hauls and local runs.* Industry's highest CCA Dual Purpose Truck Battery. Excellent for 4-Battery applications.	175-4370	825	190	GP31 w/Stud Terminals
Starting battery. Industry's highest CCA rating. Over-the-road applications where starts are infrequent and battery cycling is limited.*	175-4390	1000	180	GP31 w/Stud Terminals
<b>Cat 4D and 8D Batteries - Maintenance Free - Exclusive Flat Tops</b>				
Bus/RV/Concrete Mixers	153-5700	1125	301	4D
Bus/RV/Concrete Mixers. Industry's Highest CCA 4D Battery.	153-5710	1400	425	4D
Bus/RV/Concrete Mixers. Industry's Highest CCA 8D Battery.	153-5720	1500	465	8D

\* Longest warranty in industry, 2 year free replacement



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