



## Fleet Supreme EC™ Engine Oil

Fleet Supreme EC™ (Emission Compatible) is an API CJ-4 universal fleet engine oil developed for use in 4-stroke cycle diesel engines designed to meet 2007 on-highway exhaust emission standards. It is specially formulated to protect exhaust after-treatment devices, such as diesel particulate filters (DPFs) and diesel oxidation catalysts (DOCs). It also is backward serviceable for use in pre-2007 diesel engines where API CI-4 PLUS, CI-4, CH-4, CG-4 or CF-4 oils are specified.

Fleet Supreme EC™ is designed for use in mixed fleets with both on-highway and off-road equipment operating in varying climates and under varying loads and service conditions. It has excellent soot dispersancy to protect against soot-induced oil thickening and abrasive wear, and excellent oxidation resistance to help minimize deposit formation. The low-ash formulation is designed for compatibility with all exhaust emission control systems in modern diesel engines and to help prolong DPF life.

Fleet Supreme EC™ meets or exceeds the requirements of API CJ-4, CI-4 PLUS, CI-4, CH-4, CG-4, CF-4 and SM. It is approved under the latest OEM specifications from Caterpillar, Cummins, Detroit Diesel, Mack, Mercedes and Volvo for use in their 2007 low-emissions engines. It is formulated for use in diesel engines operating on diesel fuels with sulfur content up to 500 ppm. However, for applications not using Ultra-Low Sulfur Diesel (ULSD), consult the engine manufacturer for recommended service interval.

### **Applications**

- On-highway diesel trucks equipped with exhaust aftertreatment devices, such as diesel particulate filters and oxidation catalysts
- Diesel engines equipped with EGR, ACERT or other emissions control technologies
- Older diesel equipment with conventional, non-EGR engines
- Off-highway construction, earth moving and mining equipment
- Mixed fleets with diesel and gasoline-fueled vehicles

Fleet Supreme EC meets or exceeds the requirements of:

- API Service CJ-4, CI-4 PLUS/CI-4, CH-4, CG-4, CF-4, SM
- ACEA E7-04
- Caterpillar ECF-3
- Cummins CES 20081
- Detroit Diesel Power Guard 93K218
- Mack EO-O Premium Plus
- Mercedes-Benz Sheet 228.3
- Volvo VDS-4

**API CJ-4 Diesel  
Engine Oil For Low-  
Emission Engines**

### **Contact Information**

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1-800-822-6457**

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Services Hot line:  
1-800-766-0050**

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## Features/Benefits

- Excellent protection for new 2007 emissions-compliant engines and older diesel engines
- Specially formulated to protect exhaust after-treatment devices
- Protects against particulate filter plugging
- Excellent soot control for protection against abrasive wear and soot-induced oil thickening
- Excellent resistance to viscosity and thermal breakdown at high temperatures
- Protects against sludge and varnish formation
- Protects against wear
- Protects against rust and bearing corrosion
- Good resistance to foaming and aeration

## Fleet Supreme EC™ Engine Oil

### Typical Properties

SAE Grade	15W-40
API Service	CJ-4, CI-4 PLUS/CI-4, CH-4, CG-4, CF-4, SM
Density, g/cm <sup>3</sup> @ 15.6°C (60°F)	0.879
Color, ASTM D1500	L 4.0
Flash Point (COC), °C (°F)	227 (441)
Pour Point, °C (°F)	-38 (-36)
Viscosity,	
cSt @ 40°C	117
cSt @ 100°C	15.3
SUS @ 100°F	603
SUS @ 210°F	80.8
Viscosity Index	137
Cold Cranking Viscosity, cP @ (°C)	6,600 (-20)
High-Temp/High-Shear Viscosity, cP @ 150°C	4.3
Sulfated Ash, ASTM D874, wt %	0.97
Total Base Number (TBN), ASTM D2896	8.4
Zinc, wt %	0.121

## Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

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