



Extra-Duty Engine Oil

PureGreen® Extra-Duty Engine Oil 15W-40 is a latest generation, premium, heavy-duty motor oil that meets and exceeds the service requirements of virtually all diesel engine manufacturers for both 2007 emission compliant and older engines. It is particularly recommended for four-stroke cycle engines using low sulfur EPA diesel and ultra low sulfur diesel (ULSD) fuel in virtually all on-highway and off-highway service applications.

PureGreen Extra-Duty 15W-40 is formulated with premium re-refined base oils and a state-of-the-art additive system to provide superior wear and deposit protection during cold engine start-up through maximum operating temperatures. Ultimate protection is delivered in all climates and driving conditions, from stop-and-go city driving to long-distance hauling. It provides superior soot control and an exclusive detergent system for outstanding engine cleanliness, extending the life and optimizing service intervals of diesel particulate filters (DPF) and exhaust gas recirculation (EGR) systems.

PureGreen Extra-Duty 15W-40 is recommended for all engines requiring API CJ-4 or CI-4 Plus quality oils. PureGreen Extra-Duty 15W-40 is also recommended for applications in current or older engines manufactured by Caterpillar, Cummins, Detroit Diesel, Mack, MAN, Daimler Chrysler, Volvo and others. This multi-dimensional oil can also be used in gasoline engines or in natural gas conversions that require an API SM or SL quality oil. It provides the unique combination of ultimate engine protection and environmental conservation.

PureGreen Extra-Duty 15W-40 conserves irreplaceable petroleum resources and delivers performance equal to or greater than top conventional lubricants. It is designed for use in truck fleets, agricultural equipment, bus fleets, marine fleets, and in mixed fleets that include both gasoline and diesel engines.

Typical test data are average values only and as such minor variations from these values are to be expected in normal production and will not affect the performance characteristics of this product.

Meets API – CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4 & SM, SL, SJ, SH.

Meets ACEA- E7

Meets Engine Manufacturer Performance Requirements for – Caterpillar ECF-1, ECF-2, ECF-3 & Cummins CES 20081, 20078, 20077, 20076, 20071 & Detroit Diesel 93K218 & Mack EO-O Premium Plus 07, EO-N, EO-M Plus, EO-M, EO-L Plus, EO-L & Daimler Chrysler 228.3, Chrysler MS 6395-G & Ford ESE-M2C153-E & General Motors 6094-M & MIL-L- 2104E, MIL-L-46152E(obsolete) & Allison C4 & Caterpillar TO-2 fluids & Department of Defense CID-a-a-52306A2, A-A-52039A3 & Volvo VDS-4 & MAN M3275 & BMW, VW and others.

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TYPICAL INSPECTION TESTS

SAE Grade	15W-40
API Service	CJ-4/ SM
API Gravity	29.0
Flash Point, °C (°F)	204 (400)
Pour Point °C (°F)	-35 (-37)
Viscosity, cP @ -20°C (Cold Crank, CCS)	6900
Viscosity, cSt @ 40°C	114.3
Viscosity, cSt @ 100°C	14.8
Viscosity Index	134
Total Base Number, D2896	7.8
Ash, Sulfated, wt.%	1.0 max
Zinc, wt.%	0.11
Phosphorous, wt.%	0.11
Re-Refined Base Oil, %	>75