

LOTUS Lubes™ Hyper ULTRA Multi-Grade Engine Oil 15W40

PRODUCT DESCRIPTION

LOTUS Lubes™ Hyper Ultra Engine Oil is a top-tier lubricant formulated exclusively with premium Group II base stocks to exceed the requirements of 2007 or later low-emission engines equipped with diesel particulate filters (DPF) and the performance standards for virtually all global diesel engine manufacturers. It provides outstanding lubricity characteristics with ultra-low sulfur (ULS) diesel and low-sulfur EPA diesel fuels. **LOTUS Lubes™ Hyper Ultra Engine Oil** is backward compatible and may also be used in older vehicles with diesel or gasoline engines.

LOTUS Lubes™ Hyper Ultra Engine Oil is formulated with CleanGuard™ technology, an advanced additive system that contains active cleaning agents. CleanGuard™ provides superior soot control and a proprietary detergent system that delivers ongoing engine cleanliness, extending the life and optimizing service intervals of diesel particulate filters (DPF) and exhaust gas recirculation (EGR) systems.

FEATURE & BENEFITS

- * High TBN formulation and excellent TBN retention
- * Superior wear protection to protect critical engine components
- * Maintains excellent soot control
- * Optimum DPF service life and operation
- * Protects pistons from carbon deposits
- * Supports extended service intervals
- * Technology proven in more than 2.5 Trillion Miles of heavy-duty engine operation
- * CleanGuard™ technology maintains engine cleanliness and extends the service life of DPF systems
- * Advanced dispersants keep soot in suspension and reduces soot-thickening in extended intervals
- * High TBN formulation neutralizes acidic engine conditions for optimum performance in extended intervals



TYPICAL PHYSICAL PROPERTIES

SAE Grade	15W-40
API Service	CJ-4/SM
API Gravity @ 60°F	29.70
Flash Point, °C (°F)	218 (424)
Pour Point °C (°F)	-42 (-44)
Viscosity, cSt @ 40°C	125.5
Viscosity, cSt @ 100°C	16.0
Viscosity Index	140
Total Base Number, D2896	10.0
Sulfated Ash, wt %	1.0 Max
Sulfur, wt %	0.30
Zinc, wt. %	0.13
Phosphorus, wt %	0.12
Minor variations in typical physical properties may occur from normal manufacturing processes	

APPLICATIONS

LOTUS Lubes™ Hyper Ultra Engine Oil is recommended for the following heavy-duty engine oil requirements:

- * Exceeds API Service Categories CJ-4, CI-4 Plus, CI-4, CH-4, CG-4, CF-4 & (gasoline engines) SM, SL, SJ, SH
- * Exceeds ACEA E7-08, E9-08 performance standards
- * Exceeds Engine Manufacturer Performance Requirements: ECF-1, ECF-2 & ECF-3, Cummins CES 20081, 20077, 20076, 20071 & Detroit Diesel 93K218, Mack EO-O Premium Plus 07, EO-N, EO-M Plus, EO-M, EO-L Plus, EO-L, Mercedes Benz 228.3 & 228.31, Chrysler MS-10902 & MS 6395-G, Ford ESE-M2C153-E & WSS-M2C171-E, MIL-L-2104E, Allison C-4, Caterpillar TO-2, Department of Defense CID-a-a-52306A2 & A-A-52039A3, Navistar (International), John Deere, Deutz DQC III-05, AGCO (Allis Chalmers), Volvo VDS-4, MAN M3275, JASO DH-2, MTU Type I & II, Renault RLD-3 & Global DHD-1