

Lotus Lubes™ Hyper ELITE Synthetic Engine Oil

PRODUCT DESCRIPTION

Lotus Lubes™ Hyper ELITE Synthetic Engine Oil is an Extended-Life Synthetic lubricant formulated exclusively with fullsynthetic base stocks and next generation additive technology to exceed the requirements of 2007 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 lowsulfur EPA diesel fuels. **Lotus Lubes™ Hyper ELITE Synthetic Engine Oil** is backward compatible and may be to provide added protection in older vehicles with diesel or gasoline engines.

Lotus Lubes™ Hyper ELITE Synthetic Engine Oil is formulated with Infushion™ technology, an advanced additive system that contains active cleaning agents. Infushion™ 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

- * Extended-Life Synthetic Technology
- * Superior wear protection to protect critical engine components
- * Ultimate low-temperature performance for cold starts
- * Outstanding thermal and oxidation stability
- * Optimum DPF service life and operation
- * Optimum fuel economy
- * Ultimate support of extended service intervals
- * Advanced technology proven in more than 2.5 Trillion Miles of heavy-duty engine operation
- * Active dispersants keep soot in suspension and reduces “soot thickening” in extended intervals
- * Aggressive resistance to viscosity and thermal breakdown under severe operating conditions
- * High shear stability provides long-lasting stay-in-grade protection



TYPICAL PHYSICAL PROPERTIES

SAE Grade	5W-40	10W-30	15W-40
API Service	CJ-4/SM	CJ-4/SM	CJ-4/SM
API Gravity @ 60°F	28.8	30.8	28.6
Flash Point, °C (°F)	238 (460)	232 (449)	238 (460)
Pour Point °C (°F)	-31 (-28)	-27 (-17)	-31 (-23)
Viscosity, cSt @ 40°C	101.5	86.5	110.0
Viscosity, cSt @ 100°C	14.5	14.3	13.0
Viscosity Index	150	170	145
Total Base Number, ASTM D2896	7.5	7.5	7.5
Sulfated Ash, wt %	1.0 Max	1.0 Max	1.0 Max

Minor variations in typical physical properties may occur from normal manufacturing processes

APPLICATIONS

Lotus Lubes™ Hyper ELITE Synthetic 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 & SM, SL, SJ, SH (gasoline engines)
- * Exceeds ACEA E7-08, E9-08 performance standards
- * Exceeds Engine Manufacturer Performance Requirements: Caterpillar ECF-1, ECF-2 & ECF-3, Cummins CES 20081, Detroit Diesel 93K218 & 93K214, Mack EO-O Premium Plus 07, Mercedes Benz 228.3 & 228.31, MTU Type II, Chrysler MS 6395-G, Ford WSS-M2C171-E, MIL-L-2104E & MIL-L-46152E (obsolete), Allison C-4, Department of Defense CID-a-a-52306A2 & A-A-52039A3, Volvo VDS-4, MAN M3275, John Deere, Deutz DQC III-05, AGCO (Allis Chalmers), JASO DH-2, Renault RLD-3, Navistar (International), & Global DHD-1