77 lubricants

Product Data Sheet:

ENGINE OIL HDL 15W-40

Product Description:

ENGINE OIL HDL 15W-40 is a "Super High Performance Diesel" (SHPD) engine oil providing superior performance and long service potential in high output , high speed, turbo charged engines operating under severe conditions.

ENGINE OIL HDL 15W-40 has been formulated with carefully selected additives in mineral base stocks, to provide excellent detergency, dispersancy and anti wear performance. **ENGINE OIL HDL 15W-40** has been especially developed to meet the requirements of engines conforming to Euro 2 and Euro 3 emission standards and meets the stringent requirements of most "Original Equipment Manufacturers" (OEM's).

ENGINE OIL HDL 15W-40 has excellent thermo-oxidative stability, controlling deposits and viscosity increase. Excellent soot handling controls soot induced oil thickening and effectively prevents wear. **ENGINE OIL HDL 15W-40** reduces piston deposits, protects against "Bore Polishing", reduces oil consumption and allows extended drain intervals.

ENGINE OIL HDL 15W-40 is recommended for all turbo charged and naturally aspirated diesel engines, such as used in on highway light and heavy duty trucking, construction, mining, agriculture and other off highway applications.

Specifications:

Exceeds: ACEA E5/A3/B3/B4, API CH-4/SL, MB 228.3,MAN M3275, Renault RLD, Volvo VDS-2, MTU Category 2, Mack EO-M Plus, Cummins CES 20076/20077, Caterpillar ECF-1, Allison C-4

Property:	Test Method:	Typical Values:
SAE Viscosity Grade	SAE J300	15W-40
Density @ 15°C	ASTM D4052	886 kg/m^3
Kinematic Viscosity @ 40°C	ASTM D7042	108 mm^2/s
Kinematic Viscosity @ 100°C	ASTM D7042	14.1 mm^2/s
Low-Temperature Cranking Viscosity @ -20°C	ASTM D5293	6600 mPa.s
Viscosity Index	ASTM D2270	135
Flash Point	ASTM D92	220°C
Pour Point	ASTM D97	-27°C
Total Base Number	ASTM D2896	10.1 mgKOH/g
Sulphated Ash	ASTM D874	1.34 wt %