



Product Data Sheet:

ENGINE OIL SHPD 15W-40

Product Description:

ENGINE OIL SHPD 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 SHPD 15W-40** has been formulated with carefully selected additives in mineral base stocks to provide excellent detergency, dispersancy and anti wear performance. **ENGINE OIL SHPD 15W-40** is a new mid SAPS lubricant for mid drain applications & for use in modern low emission engines meeting EURO IV & V exhaust emission standards.

ENGINE OIL SHPD 15W-40 exceeds the requirements of the major European heavy duty engine manufacturers for extended drain intervals and complies with the strictest European emission limits

ENGINE OIL SHPD 15W-40 reduces piston deposits, protects against “Bore Polishing”, reduces oil consumption and allows extended drain intervals.

ENGINE OIL SHPD 15W-40 is recommended use in vehicles fitted with advanced exhaust aftertreatment systems for the reduction of particulate matter (DPFs) and the oxides of nitrogen (EGR and/or SCR) in combination with low sulphur diesel.

Specifications:

Exceeds: ACEA E9/E7, API CJ-4/SM, MTU Oil Category 2.1, Caterpillar ECF-3/ECF-2/ECF-1a, Volvo VDS-4, MB 228.31, Deutz DQC III-05, MAN M 3575, Cummins CES 20081, Mack EO-O Premium Plus, DDC PGOS 93K218, Renault VI RLD-3

Property:	Test Method:	Typical Values:
SAE Viscosity Grade	SAE J300	15W-40
Density @ 15°C	ASTM D4052	860 kg/m ³
Kinematic Viscosity @ 40°C	ASTM D7042	114 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D7042	14.9 mm ² /s
Low-Temperature Cranking Viscosity @ -20°C	ASTM D5293	<7000 mPa.s
Viscosity Index	ASTM D2270	136
Flash Point	ASTM D92	229°C
Pour Point	ASTM D97	-30°C
Total Base Number	ASTM D2896	7.6 mgKOH/g
Sulphated Ash	ASTM D874	0.97 wt %

Product nr: 4251

Date Issued: 03/07/2010

Date Superseded: -

Revision nr: -