



Product Data Sheet

ENGINE OIL SHPD 15W-40

Product Description:

ENGINE OIL SHPD 15W-40 is a fuel saving MID SAPS super high performance universal oil based on 100% synthetic technology designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year for use in Euro-4, Euro-5 and Euro-6 engines equipped with a Diesel Particle Filter (DPF) and suited for diesel engines equipped with EGR and/or SCR after treatment system.

ENGINE OIL SHPD 15W-40 is formulated with high refined base stock in combination with an unique additive package to reach the following properties:

- Excellent thermal- and oxidation stability.
- Very good dispersancy and detergency.
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against "Bore Polishing".
- Extended drain intervals.
- Complies with strictest European emission regulation.

ENGINE OIL SHPD 15W-40 exceeds the following performance criteria:

ACEA E9/E7	MB-228.31	Volvo VDS-4	MAN M3575	MACK EO-O+
API CJ-4	Renault VI RLD-3	Cummins CES 20081	CAT ECF-3/2/1a	DCC PGOS 93K218
Deutz DQC III-05	MTU Type 2.1	JASO DH-2	Global DHD-1	

Properties	Unit	Test Method	Typical Value
SAE Grade		SAE J3000	15W-40
Density@15°C	kg/m ³	ASTM D4052	873
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	112
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.9
Viscosity Index		ASTM D2270	135
Viscosity CCS @-20°C, max	cP	ASTM D2270	7000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	8.1
Sulphated Ash	%Wt	ASTM D874	0.96

Product Nr: 4251

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