



# 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 Particulate 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** meets the following performance criteria:

<b>Approved</b>	<b>Volvo VDS 4.5</b> <b>MB-Approval 228.31</b>	<b>Mack EOS-4.5</b>	<b>Renault RLD-3</b>
<b>Meets</b>	<b>API CK-4</b> <b>MAN M3775</b> <b>DDC93K222</b>	<b>ACEA E6/E9</b> <b>CAT ECF-3</b> <b>MTU Type 3.1</b>	<b>Cummins CES 20086</b> <b>Deutz DQC IV-18-LA</b>



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	15W-40
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	873
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	116
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	15.1
Viscosity Index		ASTM D2270	136
Viscosity CCS @-20°C	cP	ASTM D5293	5931
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	10.5
Sulphated Ash	%Wt	ASTM D874	1.00

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