



**Product Data Sheet**

**ENGINE OIL SHPD 10W-30**

**Product Description:**

**ENGINE OIL SHPD 10W-30** 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 10W-30** is formulated with high refined synthetic 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 10W-30** meets the following performance criteria:

<b>Approved:</b>	Volvo VDS 4.5	Mack EOS-4.5	
<b>Meets:</b>	API CK-4	ACEA E7/E9	MB 228.31
	DFS 93K222	DQC III-10-LA	MTU Type 2.1
	CAT ECF-3	Cummins CES 20086	Renault RLD-3
	Ford M2C171-F1		

Properties	Unit	Test Method	Typical Value
SAE Grade		SAE J300	10W-30
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	866
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	75.7
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	11.5
Viscosity Index		ASTM D2270	144
Viscosity CCS @-25°C, max	cP	ASTM D5293	7000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	9.1
Sulphated Ash	%Wt	ASTM D874	1.00

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