



Engine Oil Synthetic SHPD 5W-30

Product Code: 78265

Synthetic MID SAPS Heavy Duty Diesel Engine Oil

Engine Oil Synthetic SHPD 5W-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 Particle Filter (DPF) and suited for diesel engines equipped with EGR and/or SCR after treatment system.

Engine Oil Synthetic SHPD 5W-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 Synthetic SHPD 5W-30 exceeds the following performance criteria:

Approved	Volvo VDS 4.5 MB-Approval 228.51	Mack EOS-4.5	Renault VI RLD-3
Exceeds	API CK-4 CAT ECF-3 MAN M3777 DFS 93K222 MTU 3.1	ACEA E7/E8/E11 Scania LDF-4 MAN M3775 DAF Deutz DQC IV-18-LA	API SN MAN M3677 Cummins CES 20086 IVECO

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	5W-30
Density @15°C	kg/m ³	ASTM D4052	853
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	71
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	12.0
Viscosity Index		ASTM D2270	168
Viscosity CCS @-30°C	cP	ASTM D5293	5720
Flash Point COC	°C	ASTM D92	>205
Pour Point	°C	ASTM D7346	-39
Total Base Number	mgKOH/g	ASTM D2896	9.5
Sulphated Ash	%Wt	ASTM D874	0.96

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