



Engine Oil HDL 15W-40

Product Code: 76220

Mineral Heavy Duty Diesel Engine Oil

Engine Oil HDL 15W-40 is a high performance universal mineral engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions through the whole year and is formulated for use in Euro I, Euro II, Euro III, Euro IV and Euro V engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with particulate filters.

Engine Oil HDL 15W-40 is formulated on high refined solvent mineral base stock in combination with a special 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.
- Not suitable for engine equipped with a Diesel Particulate Filter (DPF).

Engine Oil HDL 15W-40 meets the following performance criteria:

API CH-4	API SJ	ACEA E7	MB 228.3
MB 228.1	Deutz DQC-III	MTU type 2	Cat ECF-1a
Cummins CES 20077	MAN M 3275		

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	15W-40
Density @15°C	kg/m ³	ASTM D4052	877
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	99
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14
Viscosity Index		ASTM D2270	144
Viscosity CCS @-20°C	cP	ASTM D5293	5000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-33
Total Base Number	mgKOH/g	ASTM D2896	10.9
Sulphated Ash	%Wt	ASTM D874	1.26

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