



ENGINE OIL HDL

10W-40

Product Description:

Engine Oil HDL 10W-40 is a high performance universal semi synthetic engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under heavy operating conditions through the whole year for use in Euro I, Euro II and Euro III engines. This product is not suitable for vehicles equipped with particulate filters.

Engine Oil HDL 10W-40 is formulated with high refined solvent mineral and synthetic 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 10W-40 exceeds the following performance criteria:

API CH-4
DTFR 15B110
(MB 228.3)

API SL
MB 229.1

ACEA A3/B4
JASO DH-1

MAN M 3275
MTU Type 2



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	10W-40
Density@15°C	kg/m ³	ASTM D4052	866.7
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	97.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.2
Viscosity Index		ASTM D2270	150
Viscosity CCS @-25°C	cP	ASTM D5293	6370
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-33
Total Base Number	mgKOH/g	ASTM D2896	11.1
Sulphated Ash	%Wt	ASTM D874	1.26

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