



## Engine Oil HDL 10W-40

Product Code: 76230

Semi Synthetic Heavy Duty Diesel Engine Oil

**Engine Oil HDL 10W-40** is a high performance universal semi synthetic 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-1, Euro-2 and Euro-3 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with particulate filters.

**Engine Oil HDL 10W-40** is formulated on 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** meets 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

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	10W-40
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	866.7
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	97.8
Kin. Viscosity @100°C	mm <sup>2</sup> /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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