



# ENGINE OIL HDL 15W-40

## Product Description:

**Engine Oil HDL 15W-40** is a high performance universal diesel 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, Euro III, Euro IV and Euro V engines. This product is not suitable for vehicles equipped with particulate filters.

**Engine Oil HDL 15W-40** is formulated with 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**  
**MAN M 3275**

**API SL**  
**Deutz DQC-III**

**ACEA E7**  
**MTU type 2**

**MB 228.3/MB228.1**  
**Cat ECF-1a**



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	15W-40
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	881
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	99.3
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	13.9
Viscosity Index		ASTM D2270	142
Viscosity CCS @-20°C, max	cP	ASTM D5293	5140
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-30
Total Base Number	mgKOH/g	ASTM D2896	11.1
Sulphated Ash	%Wt	ASTM D874	1.26

**Product Nr:** 42580

**Date Superseded:** 02-05-2018

**Date Issued:** 12-12-2019

**Revision nr:** 06