



**Product Data Sheet**

**ENGINE OIL HDX 15W-40**

**Product Description:**

**ENGINE OIL HDX 15W-40** is an extra high performance universal engine oil 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-3, Euro-4 and Euro-5 engines equipped with EGR and/or SCR. This product is not suitable for vehicles equipped with DPF filters.

**ENGINE OIL HDX 15W-40** is formulated with high refined solvent mineral 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.
- Extended drain intervals.

**ENGINE OIL HDX 15W-40** exceeds the following performance criteria:

<b>Approved</b>	MB Approval 229.3 Renault RLD-2	MAN M 3275	Volvo VDS-3	MACK EO-N
<b>Exceeds</b>	API CI-4 JASO DH-1 DAF HP-2	ACEA E7 Allison C4 Caterpillar CES 2077/20078	DDC 93K215 MTU Type III	Global DHD-1 Mack EO-M+

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J3000	15W-40
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	870
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	103
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	14.5
Viscosity Index		ASTM D2270	150
Viscosity CCS @-20°C, max	cP	ASTM D2270	7000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D97	-39
Total Base Number	mgKOH/g	ASTM d2896	10.4
Sulphated Ash	%Wt	ASTM D874	1.5

Product Nr. 4256

Date Issued: 06-07-2012

Date Superseded: 07-12-2011

Revision nr. 04