



# ENGINE OIL HDX

## 15W-50

### Product Description:

**ENGINE OIL HDX 15W-50** is a extra high performance universal engine oil de-signed 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-50** 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.
- Extended drain intervals.

**ENGINE OIL HDX 15W-50** exceeds the following performance criteria:

**API CI-4**  
**MAN M3275**  
**Mach EO-N**  
**DTFR 15B110**  
**(MB 228.3)**

**API SL**  
**Volvo VDS-3**  
**MTU Type 2**  
**CAT ECF-1a**

**ACEA E7**  
**Deutz DQC-III**  
**Global DHD-1**  
**Cummins CES 20077/20078**

**JASO DH-1**  
**Renault RLD-2**  
**DDC 93K215**



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J3000	15W-50
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	865.3
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	138.9
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	18.7
Viscosity Index		ASTM D2270	154
Viscosity CCS @-20°C, max	cP	ASTM D2270	5230
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-33
Total Base Number	mgKOH/g	ASTM D2896	11.0
Sulphated Ash	%Wt	ASTM D874	1.5

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