



## Engine Oil HDX 15W-50

Product Code: 79510

Mineral Heavy Duty Diesel Engine Oil

**Engine Oil HDX 15W-50** is an 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 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** meets the following performance criteria:

API CI-4	API SL	ACEA E7	MB 228.3
MAN M3275	Volvo VDS-3	Deutz DQC-III	Renault RLD-2
Mach EO-N	MTU Type 2	Global DHD-1	DDC 93K215
JASO DH-1	CAT ECF-1a	Cummins CES 20077/20078	

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	15W-50
Density @15°C	kg/m <sup>3</sup>	ASTM 4052	868
Kinematic Viscosity @ 40°C	mm <sup>2</sup> /s	ASTM D7042	129
Kinematic Viscosity @ 100°C	mm <sup>2</sup> /s	ASTM D7042	17.7
Viscosity Index		ASTM D2270	152
Viscosity CCS @ -20°C	cP	ASTM D5293	5300
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	11.9
Sulphated Ash	%Wt	ASTM D874	1.5

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