



## Engine Oil HDX 10W-40

Product Code: 76200

Semi Synthetic Heavy Duty Diesel Engine Oil

**Engine Oil HDX 10W-40** is an extra high performance universal semi synthetic 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 10W-40** 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 10W-40** meets the following performance criteria:

<b>Approved</b>	MB-Approval 228.3 Mack EO-N	Volvo VDS-3	Renault RLD-2
<b>Meets</b>	API CI-4 ACEA E7 Caterpillar ECF-1a, ECF-2 Mack EO-M+ Cummins CES 20077/20078	API SL ACEA A3/B4 Global DHD-1 MTU Type 2	DDC 93K215 Deutz DQC-III-10 JASO DH-1 MAN M 3275

### Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	10W-40
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	863
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	91
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	14
Viscosity Index		ASTM D2270	157
Viscosity CCS @-25°C	cP	ASTM D5293	5200
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	11.3
Sulphated Ash	%Wt	ASTM D874	1.5

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