



Product Data Sheet

ENGINE OIL HDX 10W-40

Product Description:

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 exceeds the following performance criteria:

Approved	MB Approval 228.3 Renault RLD-2	MAN M 3275	Volvo VDS-3	MACK EO-N
Exceeds	API CI-4 JASO DH-1 DAF HP-2	ACEA E7 Allison C4 Cummins CES 2077/20078	DDC 93K215 MTU Type 2	Global DHD-1 Mack EO-M+ CAT ECF-2

Property	Unit	Test Method	Typical Value
SAE Grade		SAE J3000	10W-40
Density@15°C	kg/m ³	ASTM D4052	873
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	88.4
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	13.6
Viscosity Index		ASTM D2270	156
Viscosity CCS @-25°C, max	cP	ASTM D2270	7000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D97	-36
Total Base Number	mgKOH/g	ASTM d2896	10.4
Sulphated Ash	%Wt	ASTM D874	1.5

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