



ENGINE OIL HDX

10W-40

Product Description:

Engine Oil HDX 10W-40 is a 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:

Approved	MB Approval 228.3	Volvo VDS-3	Renault RLD-2	MACK EO-N
Meets	API CI-4/SL MAN M3275 Global DHD-1 Deutz DQC-III-10	ACEA E7 MTU Type 2 DDC 93K215 Cummins CES 20077/20078	ACEA A3/B4 Mack EO-M CAT ECF-1a, ECF-2	MB 229.1 JASO DH-1



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	10W-40
Density@15°C	kg/m ³	ASTM D4052	857
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	89
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	14.3
Viscosity Index		ASTM D2270	161
Viscosity CCS @-25°C	cP	ASTM D2270	5000
Flash Point COC	°C	ASTM D92	230
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	11.2
Sulphated Ash	%Wt	ASTM D874	1.5

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