



ENGINE OIL HDX

15W-40

Product Description:

ENGINE OIL HDX 15W-40 is a extra high performance universal 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 15W-40 is formulated with high refined solvent mineral 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-40 exceeds the following performance criteria:

Approved	DTFR 15B110 (MB 228.3)	Volvo VDS-3	Renault RLD-2	MACK EO-N
Exceeds	API CI-4/ SL Global DHD-1 CAT ECF-1a	ACEA E7 JASO DH-1 CAT ECF-2	MAN M 3275 Deutz DQC-III Cummins CES 2077/20078	MB 228.1 MTU Type 2



Property	Unit	Test Method	Typical Value
SAE Grade		SAE J300	15W-40
Density@15°C	kg/m ³	ASTM D4052	886.3
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	99.8
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	13.7
Viscosity Index		ASTM D2270	138
Viscosity CCS @-25°C, max	cP	ASTM D5293	5690
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-30
Total Base Number	mgKOH/g	ASTM D2896	11.2
Sulphated Ash	%Wt	ASTM D874	0.98

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