



Engine Oil HDX EXTRA 15W-40

Product Code: 78980

Mineral Heavy Duty Diesel Engine Oil

Engine Oil HDX EXTRA 15W-40 is an extra high performance universal engine oil designed for high loaded diesel engines in light- and heavy commercial vehicles working under severe operating conditions combined with high-Sulphur fuels. Suitable for use through the whole year 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 EXTRA 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.
- Very good resistance against high-Sulphur diesel fuels
- High anti-foam, anti-wear and anti-corrosion properties.
- Excellent protection against Bore Polishing.
- Extended drain intervals.

Engine Oil HDX EXTRA 15W-40 meets the following performance criteria:

API CI-4/ SL	ACEA E7	MAN M 3275	Volvo VDS-3
Caterpillar ECF-2	Renault RLD-2	Mack EO-N	DDC 93K215
Caterpillar ECF-1a	Global DHD-1	JASO DH-1	Deutz DQC-III
DTFR 15B110	Cummins CES	MTU Type 2	
(MB 228.3)	20077/20078		

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	15W-40
Density @15°C	kg/m ³	ASTM D4052	877.8
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	113.7
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	15.1
Viscosity Index		ASTM D2270	139
Viscosity CCS @-20°C	cP	ASTM D5293	5570
Flash Point COC	°C	ASTM D92	>220
Pour Point	°C	ASTM D7346	-30
Total Base Number	mgKOH/g	ASTM D2896	16.6
Sulphated Ash	%Wt	ASTM D874	1.6

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