



Engine Oil HDX 15W-50

Product Code: 79510

Semi Synthetic Heavy Duty Diesel Engine Oil

Engine Oil HDX 15W-50 is an extra high performance universal engine oil de-signed 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-50 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 15W-50 meets the following performance criteria:

API CI-4	API SL	ACEA E7	JASO DH-1
MAN M3275	Volvo VDS-3	Deutz DQC-III	Renault RLD-2
Mack EO-N	MTU Type 2	Global DHD-1	DDC 93K215
DTFR 15B110 (MB 228.3)	CAT ECF-1a	Cummins CES 20077/20078	

Typical Analysis

Properties	Unit	Method	Typical Value
SAE Grade		SAE J300	15W-50
Density @15°C	kg/m ³	ASTM 4052	865.3
Kinematic Viscosity @ 40°C	mm ² /s	ASTM D7042	138.9
Kinematic Viscosity @ 100°C	mm ² /s	ASTM D7042	18.7
Viscosity Index		ASTM D2270	154
Viscosity CCS @ -20°C	cP	ASTM D5293	5230
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-33
Total Base Number	mgKOH/g	ASTM D2896	11.0
Sulphated Ash	%Wt	ASTM D874	1.5

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