

ENDUROX XLF

FULL SYNTHETIC HEAVY DUTY ENGINE OIL

Description

Endurox XLF is a synthetic heavy duty diesel engine oil developed to meet the requirements of modern European engines meeting the latest Euro 6 emission norms. This lubricant is formulated with premium quality base oil and advanced additives technology to offer superior engine and after treatment devices protection and significantly extended drain intervals, up to 120,000 km depending on which OEM. This oil meets the latest ACEA E6, E7 and E9 specifications and is suitable for severe duty applications and extended service life in most European Vehicles. It can be used where MB 228.51, Volvo VDS-4 or MAN M3477 is prescribed, but also many other OEM specifications.

This UHPD engine oil has exceptional anti-wear properties that provides enhanced protection against wear, corrosion and bore polish to ensure longer engine life. Mid SAPS technology allow a preservation and extended lifetime of Diesel Particle Filters (DPF) and Selective Catalyst Recirculation (SCR) devices. Excellent soot handling capability minimizes soot related wear and oil thickening and outstanding thermo-oxidative stability reduces sludge build-up & deposits and controls viscosity increase. Advanced detergency/dispersancy results in cleaner engines and longer component life and excellent low temperature fluidity along with high temperature viscosity retention ensures highest degree of reliability even under severe operating conditions. Superior TBN retention property coupled with above features lead to significantly extended drain intervals.

Performance level 5W/30

- API CK-4
- ACEA E6/E7/E9
- Scania LDF-4
- MB 228.51/228.31
- MAN M3677/M3477/M3271-1
- Volvo VDS-4
- Renault RLD-3/RLD-2/RXD/RGD
- Deutz QC IV-10-LA
- Cummins CES 20086
- Mack EO-O PP, EO-N PP, EO-M Plus
- MTU Type 3.1
- JASO DH-2
- Caterpillar ECF-3
- Detroit Diesel 93K218
- Scania Low Ash



Benefits

- Lower fuel consumption
- Very high Viscosity Index and a high resistance against shearing
- Fast cold start properties which results in less wear due to a stable lubricant film
- Great dispersant and detergent properties, which warrants a clean operation
- Very good lubrication film at very high working temperatures
- Very good Anti-Wear, Anti-Corrosion and Anti-Foam properties

Performance level 10W/40

- API CK-4
- ACEA E6/E4/E7/E9
- Scania LDF-4
- MB 228.51/228.31
- MAN M3477/M3575
- Volvo VDS-4
- Renault RLD-3/RLD-2/RXD/RGD
- Deutz QC IV-10-LA
- Cummins CES 20086
- Mack EO-O PP, EO-N PP, EO-M Plus
- MTU Type 3.1
- DAF HP-2 Long drain
- Caterpillar ECF-3
- Detroit Diesel 93K218

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Typical Properties

SAE		5W/30	10W/40
Code		LUB003032	LUB003031
Density 15 °C	kg/m ³	852	861
Viscosity 40 °C	cSt	70.3	94.7
Viscosity 100 °C	cSt	11.9	14.0
Viscosity CCS -25 °C	cP		<7000
Viscosity CCS -30 °C	cP	<6600	
Viscosity Index		166	156
Pour point	°C	-39	-36
Flash point C.O.C.	°C	220	225
TBN	mg KOH/g	10.1	12.8
Operating Temperature	°C	-35/150	-30/150