

### 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.

Endurox XLF is also available in SAE 10W-40.

### BENEFITS:

- Lower fuel consumption
- Very high Viscosity Index and a high resistance against shearing
- 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

### TYPICAL PROPERTIES

SAE	Unit	5W-30
Density 15 °C:	Kg/m <sup>3</sup>	855
Viscosity 40 °C	cSt	93
Viscosity 100 °C	cSt	14.2
Viscosity Index		157
Pour Point	°C	-36
Flash Point	°C	212
Total Base Number (TBN)	mg KOH/g	13



### PERFORMANCE LEVELS:

- API CK-4/CJ-4
- ACEA E4
- ACEA E6
- ACEA E7
- ACEA E9
- Caterpillar ECF-3
- Cummins CES 20081
- Cummins CES 20086
- DAF
- DDC 93K218
- DDC 93K222
- Deutz QC IV-10-LA
- JASO DH-2
- Mack EO-O PP
- Mack EO-N Premium Plus
- Mack EO-M plus/
- Mack EOS-4.5
- MAN M 3677
- MAN M 3477
- MAN M 3271-1
- MB 228.51
- MB 228.31
- MB 228.52
- MTU Type 3.1
- MTU Type 2.1
- Renault RLD-4
- Renault RLD-3
- Renault RLD-2
- Scania LA
- Scania LDF-4
- Volvo VDS-4.5
- Volvo VDS-4