



TURBO X-TREM LE SYNTHETIC

PRODUCT DESCRIPTION:

Turbo X-Trem LE is synthetic extra high-performance "low SAPS" diesel engine oil formulated to provide protection for highly rated diesel engines running in severe service conditions. This product meets the current heavy-duty truck OEM specifications required for engines meeting the latest EU emission standard Euro VI. It is strongly recommended for EGR diesel engines fitted with after-treatment systems such as DPFs and SCR NOx reduction systems.

APPLICATION:

It is intended to be used for naturally aspirated and turbo-charged diesel powered equipment, modern heavy-duty engines including those fitted with DPF (Diesel Particulate Filter), on-highway light and heavy-duty trucking and off-highway modern equipment.

FEATURES & BENEFITS:

- Protection against oil thickening, high temperature deposits, sludge build-up and, oil degradation
- Provides long drain intervals
- Excellent anti-wear, anti-suff properties and bore polishing and corrosion protection.
- Stay-in-grade shear stability. Very low volatility
- Helps to reduce viscosity breakdown and oil consumption under heavy duty, high temperature operating conditions
- Low ash, Sulfur and phosphorous levels
- Helps to protect exhaust systems devices like those fitted with DPF
- Excellent low temperature properties
- Cold start-up wear protection

PERFORMANCE LEVELS / MEETS OR EXCEEDS:

- API CI-4
- ACEA E6/E7
- Daimler MB 228.51/226.9
- MAN M3477/M3271-1
- Volvo VDS-3
- Renault RLD-2/RXD/RGD
- MTU Type 3.1
- DAF Meet Requirements
- DEUTZ DQC III-10 LA
- Cummins CES 20076/77
- MACK EO-N
- JASO DH-2
- Voith Class B

TYPICAL PERFORMANCE:

PARAMETERS	ASTM	UNIT	TURBO X-TREM LE (SYNTHETIC)		
			5W-30	10W-30	10W-40
Grade					
Kinematic Viscosity @ 104°F / 40°C	D-7042	cSt	68.85	74.15	102.3
Kinematic Viscosity @ 212°F / 100°C	D-7042	cSt	11.9	11.8	15.2
Viscosity Index	D-2270	-	171	155	157
SP. Gravity @ 15°C/ 60°F	D-4052	g/cm ³	0.85	0.874	0.877
Flash Point (min)	D-92	°C	234	236	234
Pour Point (max)	D-97	°C	-42	-39	-42
TBN	D-2896	Mg KOH/g	10	10	10
CCS, (°C)	D-5293	m.Pa.S	6600 (-3°C)	7000 (-25°C)	7000 (-25°C)

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point.

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office.

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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