

SuperMax Oil Germany Turbo XHD 10W/40

Extended Oil Life with Synthetic Technology



PRODUCT DESCRIPTION

SuperMax Oil Germany Turbo XHD 10W/40 is a semi-synthetic product produced by adding a high performance additive combination to synthetic base oils to provide effective protection for heavy-duty diesel engines. It helps to reduce maintenance costs with excellent protection during long oil change periods. Extreme turbocharging life with superior protection at high temperature.

ADVANTAGES

- Provides unique engine protection even when at high sulfur fuel usage.
- Provides excellent results even at the first moments of engine start by maintaining fluidity at low temperatures.
- Prevents rust and corrosion formation and prolongs engine life.
- Provides extended oil change intervals, preserving superior performance characteristics under all conditions.
Superior lubrication properties contribute to the fuel economy.

APPROVALS AND SPECIFICATIONS

- API CI-4
- ACEA E7-12
- ACEA A3/B4-12
- MB 228.3/229.1
- MAN M 3275
- MTU Type 2
- Detroit Diesel DDC 93K215
- Volvo VDS-3
- Deutz DQC-III-10 LA
- Cummins CES 20078/77/76
- Mack EO-N/EO-M Plus
- Renault Trucks RLD-2
- Cat ECF-2/ECF-1-a
- Global DHD-1

CHARACTERISTIC PROPERTIES

Viscosity Grade : SAE 10W / 40

Analysis	Unit	Analysis Method	Ideal Values
Density, 15°C	g/cm ³	ASTM D 4052	0.868
Viscosity, 40°C	cSt	ASTM D 445	91.8
Viscosity, 100°C	cSt	ASTM D 445	14.27
Viscosity Index		ASTM D 2270	161
Pour Point	°C	ASTM D 97	-30
Flash Point	°C	ASTM D 92	218
CCS -30° C	mPa.s	ASTM D 5293	5010
TBN	mg KOH/g	ASTM D 2896	10.8

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STORAGE

Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use. Packages should not be exposed to direct sunlight and avoid rapid climatic changes. Ambient temperature should not exceed 60 °C.

SHELF LIFE

Under the appropriate storing conditions suitable to the declared circumstances, maximum shelf life of the products are two years.

HEALTH AND SAFETY

Based on the available information, SuperMax Oil Germany Turbo XHD 10W/40 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Material Safety Data Sheet" (MSDS). MSDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations