



INDUSTRIAL GEAR OIL SYNTH 460

Product Description:

INDUSTRIAL GEAR OIL SYNTH 460 is an ultra-high performance fully synthetic industrial gear oil suitable for wind-turbines, heavy loaded closed gear boxes and circulation systems operating under extreme conditions and high temperatures.

INDUSTRIAL GEAR OIL SYNTH 460 is formulated with special selected Poly Alpha Olefine (PAO) and Ester base stocks in combination with an unique performance additive technology to achieve the following performance.

- Outstanding load carrying capability.
- Excellent low temperature properties.
- Effective lubrication over a wide temperature range.
- Superior thermo- and oxidation stability.
- Long service intervals.
- Excellent protection against rust, wear and foaming.
- Very high demulsibility.
- Excellent corrosion and micro pitting protection (both 90°C and 60°C tests of Winergy and Vestas).

INDUSTRIAL GEAR OIL SYNTH 460 exceeds the following performance criteria:

DIN 51517-3 CLP
Cincinnati Milacron P-74
AIST 224 (US Steel 224)

ISO 12925-1 CKD
David Brown S1.53.106

AGMA 9005-F16 Antiscuff
SIEMENS MD (Flender)



Property	Unit	Test Method	Typical Value
ISO VG Grade		ISO 3448	320
Density@15°C	kg/m ³	ASTM D4052	857.8
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	454.5
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	56.1
Viscosity Index		ASTM D2270	191
Flash Point COC	°C	ASTM D92	>218
Pour Point	°C	ASTM D7346	-45
FZG Fail Load Stage, min		DIN 51354-2	>12

Product Nr: 44290
Date Superseded: 02-09-2024

Date Issued: 7-1-2025
Revision nr: 02