



# 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 EP-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 micropitting 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**  
**AGMA 9005-F16**  
**Siemens / Flender**

**ISO 12925-L-CKE**  
**CM P74**  
**AIST 224 (former US Steel 224)**

**AGMA 9005 E-02**  
**David Brown S1.53.106**



Property	Unit	Test Method	Typical Value
Property	Unit	Test Method	Typical Value
ISO VG Grade		ISO 3448	460
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	858
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	457
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	56
Viscosity Index		ASTM D2270	191
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-45
FZG Fail Load Stage, min		DIN 51354-2	12

**Product Nr:** 44290  
**Date Superseded:** -

**Date Issued:** 21-12-2023  
**Revision nr:** -