

INDUSTRIAL GEAR POWER SYNTH 320

Industrial Gear Oil

INDUSTRIAL GEAR POWER SYNTH 320 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 POWER SYNTH 320 is formulated with special selected 100% Poly Alpha Olefine (PAO) 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 POWER SYNTH 320 meets 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)

Typical Analysis

Properties	Unit	Method	Typical Value
Density @15°C	kg/m ³	ASTM D4052	857.6
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	321.4
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	41.1
Viscosity Index		ASTM D2270	183
Flash Point COC, min	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-45
FZG Fail Load Stage, min		DIN 51354-2	>12
Demulsibility @82°C	max	DIN 51599	20
Date Issued: 15-5-2025		Supersedes: 10-6-2021	Revision Nr.: 03

