



Industrial Synthetic Gear Oil 320

Product Code: 77300

Fully Synthetic PAO Industrial Gear Oil

Industrial Synthetic Gear Oil 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 Synthetic Gear Oil 320 is formulated special selected PAO (PolyAlphaOlefins) and ester base stocks in combination with a 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 micropitting protection (both 90°C and 60°C tests of Winergy and Vestas)

Industrial Synthetic Gear Oil 320 exceeds the following performance criteria:

DIN 51517-3 CLP

US Steel 224

Cincinnati Milacron P-74

ISO 12925-1 CKD

David Brown S1.53.106

AGMA 9005-F16 Antiscuff

SIEMENS MD (Flender)

Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	320
Density @15°C	kg/m ³	ASTM D4052	857
Kin. Viscosity @40°C	mm ² /s	ASTM D7042	315
Kin. Viscosity @100°C	mm ² /s	ASTM D7042	42.0
Viscosity Index		ASTM D2270	189
Flash Point COC	°C	ASTM D92	>218
Pour Point	°C	ASTM D7346	-47
FZG Fail Load Stage		DIN 51354-2	>12

Date Issued: 16-04-2021

Supersedes: 11-05-2016

Revision Nr.: 03