

## NORDIC EP GEAR OIL SYNTH 320

### Fully Synthetic PAO Industrial Gear Oil

**NORDIC EP GEAR OIL 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.

**NORDIC EP GEAR OIL SYNTH 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)

**NORDIC EP GEAR OIL SYNTH 320** exceeds the following performance criteria:

DIN 51517, part 3

AGMA 9005-E02

ISO 12925-1

AIST 224

David Brown S1.53.101 E

Flender

### Typical Analysis

Properties	Unit	Method	Typical Value
ISO VG Grade		ISO 3448	320
Density @15°C	kg/m <sup>3</sup>	ASTM D4052	854
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	38.5
Viscosity Index		ASTM D2270	175
Flash Point COC, min	°C	ASTM D92	>218
Pour Point	°C	ASTM D7346	-42
FZG Fail Load Stage, min		DIN 51354-2	>12
Total Acid Number	mgKOH/g	ASTM D664	<0.5

Date Issued: 12-04-2021

Supersedes:

Revision Nr.: 1