



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

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 |
|-----------------------|--------------------|-------------|---------------|
| ISO VG Grade | | ISO 3448 | 320 |
| 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 | °C | ASTM D92 | >218 |
| Pour Point | °C | ASTM D7346 | -45 |
| FZG Fail Load Stage | | DIN 51354-2 | >12 |

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| Date Issued: 7-1-2025 | Supersedes: 16-04-2021 | Revision Nr.: 04 |
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