

INDUSTRIAL GEAR POWER SYNTH 220

Industrial Gear Oil

INDUSTRIAL GEAR POWER SYNTH 220 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 220 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 220 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 | 855.1 |
| Kin. Viscosity @40°C | mm ² /s | ASTM D7042 | 218.5 |
| Kin. Viscosity @100°C | mm ² /s | ASTM D7042 | 29.7 |
| Viscosity Index | | ASTM D2270 | 171 |
| Flash Point COC, min | °C | ASTM D92 | >201 |
| Pour Point | °C | ASTM D7346 | -51 |
| FZG Fail Load Stage, min | | DIN 51354-2 | >12 |
| Demulsibility @82°C | max | DIN 51599 | 15 |
| Date Issued: 15-5-2025 | | Supersedes: 10-6-2021 | Revision Nr.: 03 |

