

SYNGEAR GEAR OILS

PAO FULL SYNTHETIC INDUSTRIAL GEAR OIL

CODE: ISO 150 4131, ISO 220 4132, ISO 320 4133, ISO 460 4134

SYNGEAR PAO GEAR OILS oils blended from full synthetic PAO (polyalphaolefin) and top tier additive technology for industrial applications in pressure screws, spur gears, worm gears and planetary gears providing better protection than standard conventional industrial gear oils have to offer. **SYNGEAR PAO GEAR OILS** has proven its versatility in extreme service applications at high and low temperatures and is recommended in all types of enclosed gear drives, particularly where extended periods of service may be required.

Primary Market: Suitable for use in industrial, agricultural, transport, earthmoving, forestry, marine, mining, fishing, and off-highway automotive industries such as steel works, quarries, heavy plant machinery, dock side, off- shore and many more.

Recommended applications include:

- Mills
- Crushers
- Extruders
- Pumps
- Wind turbines
- Heavy duty industrial journals,
- Plain and anti-friction bearings, chain drives and slide guides
- Industrial enclosed gear drives lubricated by splash or circulation methods.
- Many other applications requiring a premium industrial gear oil.

Summary of Benefits

- ✓ Clean gear additive technology ensures low deposit formation and enhanced filter life.
- ✓ Superior anti-friction characteristics in bearings, steel gear transmissions and steel/phosphor bronze gear units.
- ✓ Full Extreme Pressure (EP) performance gives maximum protection of gears against wear and shock-loading.
- ✓ Good water separation and de-emulsification characteristics means reduced down time through prolonged lubricant life and increased equipment reliability.

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- ✓ High protection against corrosion and wear resulting in less maintenance.
- ✓ Clean-gear performance under conditions of high temperature and oxidation.
- ✓ Excellent phosphorous retention ensuring extended wear protection.
- ✓ Extended service intervals, reduced machine down time

Specifications:

ISO: 220 AGMA: 9005-F16 Antiscuff Cincinnati Machine P-74 David Brown S1.53.106 DIN: 51517 (part 3) Siemens MD (Flender) Rev 15 US Steel: 224 Suitable for use in gearboxes from the following leading manufacturers: Bosch Rexroth Eickhoff Jahnle-Kestermann Moventas Winergy ZF Wind Power (formally Hansen)

Product Size: 20L, 205L,1000L

Typical Characteristics:

	150	220	320	460
Specific Density at 15°C (kg/L)	0.85	0.86	0.87	0.865
Kinematic Viscosity at 40°C mm ² /s (cSt)	150	218	320	460
Kinematic Viscosity at 100°C mm ² /s (cSt)	27.4	29.2	31.7	34.1
Flash Point OCO (°C)	>240	>250	>250	>250
Pour Point (°C)	-42	-42	-42	-40
Copper Corrosion (3h@100°C)	1b	1b	1b	1b

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Typical Characteristics

Foam Sequence I-Tendency/Stability (ml/ml)	20/0	20/0	20/0	20/0
FZG Scuffing Load Test A/8.3/90	>14	>14	>14	>14
Colour	Clear	Clear	Clear	Clear

*Typical characteristics are only a guide to industry and are not necessarily manufacturing or marketing specifications and do not constitute a legal liability.

Storage:

All packages should be stored under cover to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C.

Health, Safety and Environment

A Material Safety Data Sheet (MSDS) is available for each product. Users should consult the MSDS, and follow the precautions outlined and comply with all laws and regulations concerning its use and disposal. Used packaging material should not be incinerated or exposed to flame. After use, protect your environment. Do not pollute drains, soil or water with used product.

The Materials Safety Data Sheet is available at Sterling Lubricants by email:
info@sterlinglubricants.com.au