

GEARTOP PAG 680

Product code: 261202601

High temperature and heavy duty synthetic gear oil based on PAG base stock

These products are premium quality, 100% synthetic polyalkylene glycol based industrial gear oils containing antioxidant and anticorrosion additives, creating a lubricant with excellent thermal properties. The very high viscosity index offers fluidity down to very low temperatures and adequate film thickness at elevated temperatures. These are recommended for heavy loaded gearboxes and worm wheel boxes, including the so-called filled-for-life units.

Benefits & Advantages

- Extends life span of the installation
- Reduces maintenance
- Optimal protection of gear boxes against fretting and wear
- Longer drain interval, even at higher working temperatures
- Excellent thermal and oxidation stability
- Low pour point
- Protection from rust and corrosion
- Optimal lubrication at high and low temperatures, even at heavy loads
- Very good compatibility with plugs and seals

Applications

This product is a long life synthetic oils range intended for the lubrication of

- Worm gears
- Bevel Helical gears
- Planetary gears
- Helical gears

Also suitable for gear brakes, roll and plain bearings circulating systems. They are widely used in many segments of the industry such as textile, paper, cement, gear box producers, steel and wood, plastics and glass derivatives.

Cautions

The product is neither miscible with mineral base oils nor with different nature synthetic oils. So it is advisable to proceed to a good cleaning (flushing) of the mechanism to be lubricated prior to use the oil.

Performance level

- FZG gear test (DIN 51354) A/8.3/90: >12
- FAG FE 8 roller bearing test weight loss roller (mg): 12
- Vickers vane pump test V 104-c-10 (DIN 51389 part 2): 2
- Brugger-Weingarten max load (N/mm²): 47
- Busak & Shamban micro scratching test : pass
- DIN 51517-3
- David Brown Type G

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Typical Performance Data

Typical	Test Method	Value
Density @ 20°C, g/cm ³		1.00
Viscosity @ 40 °C, cSt		680
Viscosity @ 100 °C, cSt		163
Viscosity Index		245
Flash point, min °C		240
Pour point, max °C		-30
Rust Test		Pass
FZG load stage		12

All performance data on this Technical Data Sheet are indicative only and can vary during production.