

GEARTOP PAO 1000

Product code: 261203501

Synthetic gear and bearing fluids with EP additives

These product oils are range of products particularly suited to gear applications in which extreme conditions are expected. These products are formulated with PAO synthetic base stocks in order to provide performance greatly superior to conventional petroleum oils. Further the products are fully compatible with mineral products which guaranties a smooth change over. It provide significantly improved load carrying ability, excellent wear and rust protection, high viscosity index, high flash point, low pour point, outstanding oxidative stability and cleaner systems.

Applications

- Due to the low friction a lower energy consumption up to 3% can be expected
- Gear applications where extreme temperatures (both high & low) are seen
- Open and enclosed gear systems with plain or rolling element bearings
- Particularly suited to gear applications in which extreme service conditions are expected
- Highly recommended for:
 - Helical
 - Bevel & spur gears

Benefits & Advantages

- Excellent oxidation and thermal stability
- High operating temperature range
- Lower maintenance cost
- Improves cleanliness
- Extended lubricant life
- Compatibility with most used paints, gaskets, and seals
- Compatibility with petroleum based lubricants, therefore minimal effort by changeover

Approvals

Meets or exceeds the requirements of :

- ANSI/AGMA 9005 (table 3)
- AISE 224 (formerly USS 224)
- DIN 51571 part 3
- David Brown S1.53.101
- Cincinnati Machine P-35 (ISO 460) and P-59 (320)

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Typical Performance Data

Typical	Test Method	Value
Appearance		Clear
Viscosity @ 40 °C, cSt	ASTM D445	1000
Viscosity @ 100 °C, cSt	ASTM D445	N/A
Viscosity index	ASTM D2270	> 200
Flash point, °C	ASTM D92	< 265
Pour point, °C	ASTM D97	< -40
Rust protection <ul style="list-style-type: none"> • With water • With Saline 	ASTM D665	Pass Pass
4-ball wear test <ul style="list-style-type: none"> • Wear scar, mm • Welding load, kg 	ASTM D4172	0.30 250
Copper corrosion	ASTM D130	1b
Total acid number, mg KOH/g	ASTM D664	0.50
Foam tendency, ml (seq I, II, III)	ASTM D892	0/10/0
FZG	DIN 51254	12
Timken OK load, lbs	ASTM D2782	> 60

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