

# GEARTOP PAO 220

Product code: 261203101

## Synthetic gear and bearing fluids

These product oils are range of lubricants particularly suited to gear applications operating under extreme conditions. These products are formulated with PAO synthetic base stocks in order to provide performance superior to conventional mineral oils. Furthermore, these products are fully compatible with mineral products and guarantee a smooth change over. The product provides 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.

Gear applications operating in extreme service conditions and applications where extreme temperatures (both high & low) occur.

## Benefits & Advantages

- Excellent oxidation and thermal stability
- High operating temperature range
- Lower maintenance cost
- Energy reduction up to 3%
- Improves cleanliness
- Extended lubricant life
- Compatibility with most common paints, gaskets and seals
- Good compatibility with mineral based lubricants

## Seal compatibility

SRE-NBR seal test (DIN 53538-3)

- Volume change: 1%,
- Hardness change: -1 pts,
- Rupture elongation: -2%,
- Tensile strength change: 4%

## Typical Performance Data

Typical	Test Method	Value
Viscosity @ 40 °C, cSt	ASTM D-445	220
Viscosity @ 100 °C, cSt	ASTM D-445	25
Viscosity Index	ASTM D-2270	>140
Flash point, °C	ASTM D-92	>220
Pour point, °C	ASTM D-97	<-50
FZG	DIN 51354	12+
FAG FE-8, bearing wear test, mg, roller wear	DIN 51819-3	1
4-ball weld load, kg	ASTM D-2783	250
4-ball scar diameter, 20Kg 1800rpm, mm	ASTM D-2260	0.3

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