



## RAVENOL Getriebeöl PAO CLP 320



ART.-NR. 1332210

20L | 1332210-020

**SPECIFICATIONS** DIN 51 517 PART 3 | US STEEL 224 | AGMA 9005-D94 | CINCINNATI MILACRON, CLEAN PANEL COKER | S-200 OXIDATION TUBES

**RECOMMENDATIONS** US STEEL 224 | AGMA 9005-D94 | CINCINNATI MILACRON | CLEAN PANEL COKER | S-200 OXIDATION TUBES

**RAVENOL Getriebeöl PAO CLP 320** is premium performance, extreme pressure lubricant designed for enclosed industrial gears and bearings operating under severe load conditions and in wide extremes of temperature.

**RAVENOL Getriebeöl PAO CLP 320** is formulated using PAO synthetic base oils and additive technologies to deliver excellent wear properties, outstanding extreme temperature performance for extended component and fluid life.

**RAVENOL Getriebeöl PAO CLP 320** enhances gear box efficiency over a wide temperature range and can reduce power consumption.

**RAVENOL Getriebeöl PAO CLP 320** is free of zinc and ash due to its formulation.

## Application Notes

**RAVENOL Getriebeöl PAO CLP 320** is recommended for enclosed industrial gear drives and bearings particularly where they are operated under heavy duty conditions such as heavy loading, slow speed, shock loads and in wide extremes of temperature.

The tough oil film of **RAVENOL Getriebeöl PAO CLP 320** and low coefficient of friction save energy in gearboxes. The high viscosity index of **RAVENOL Getriebeöl PAO CLP 320** means they retain their viscosity at high operating temperatures. This often allows the use of a lower ISO grade than with conventional gear oil resulting in even greater energy savings.

**RAVENOL Getriebeöl PAO CLP 320** is designed to combat these conditions and will run cooler while maintaining a high lubricant film strength. For gearboxes that operate outdoors, **RAVENOL Getriebeöl PAO CLP 320** is capable of operating at temperatures as low as -30°C or below.

When converting a gearbox to **RAVENOL Getriebeöl PAO CLP 320**, it is recommended to be cleaned and flushed first to gain the full benefit of the product.

**RAVENOL Getriebeöl PAO CLP 320** is compatible with mineral oils, polyalphaolefin lubricants and most seal materials except natural rubber.

**RAVENOL Getriebeöl PAO CLP 320** operates over the temperature range from -30°C to 120°C.

## Characteristics

**RAVENOL Getriebeöl PAO CLP 320** offers:

- Extends equipment life
- Designed to protect equipment being operated under tough high load conditions
- Improves operating reliability over a wide range of gearbox loads
- Better film strength and extreme pressure properties than the leading global competitor synthetic for



extended gear and bearing life

- Reduces likelihood of seizure, scuffing or spalling of gear teeth and bearings under high load conditions
- Synthetic formulation reduces friction
- Energy efficient over a wide temperature range
- Excellent extreme temperature performance protects your equipment in the most extreme temperature conditions
- Wider range of service temperatures with high Viscosity Index (VI) for a wide temperature range
- Protects against water damage provides excellent resistance to rust and copper corrosion



Property	Unit	Data	Audit
Density at 20°C	kg/m <sup>3</sup>	852	EN ISO 12185
Colour		hellgelb	visual
Viscosity at 100°C	mm <sup>2</sup> /s	43,5	DIN 51 562
Viscosity at 40°C	mm <sup>2</sup> /s	320,0	DIN 51 562
Viscosity index VI		194	DIN ISO 2909
Pourpoint	°C	-54	DIN ISO 3016
Flash point (COC)	°C	262	DIN ISO 2592
Corrosion check with copper strips	3h bei 100°C	1a	ASTM D130

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

Release: : 20. January 2020