



# RAVENOL Getriebeöl PAO CLP 220

**Kategorie:** Industrial oil

**Artikelnummer:** 1332209

**Viscosity:** 220

**Specification:** DIN 51517-3

**Oil type:** Full synthetic

**Recommendation:** AGMA 9005-D94, Cincinnati Milacron, Clean Panel Coker, S-200 Oxidation Tubes, US Steel 224

**Application:** Industry



**RAVENOL Getriebeöl PAO CLP 220** 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 220** 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 220** enhances gear box efficiency over a wide temperature range and can reduce power consumption.

**RAVENOL Getriebeöl PAO CLP 220** is free of zinc and ash due to its formulation.

**5L | 1332209-005**

**20L | 1332209-020**

**60L | 1332209-060**

**208L | 1332209-208**

## Application Note

**RAVENOL Getriebeöl PAO CLP 220** 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 220** and low coefficient of friction save energy in gearboxes. The high viscosity index of **RAVENOL Getriebeöl PAO CLP 220** 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 220** 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 220** is capable of operating at temperatures as low as -30°C or below.

When converting a gearbox to **RAVENOL Getriebeöl PAO CLP 220**, it is recommended to be cleaned and flushed first to gain the full benefit of the product.

**RAVENOL Getriebeöl PAO CLP 220** is compatible with mineral oils, polyalphaolefin lubricants and most seal materials except natural rubber.

**RAVENOL Getriebeöl PAO CLP 220** operates over the temperature range from -50°C to 120°C.

## Characteristics

- An excellent wear protection
- Extends the life of gears and bearings and the plant
- Protects plants, which are operated under harsh conditions and high load
- Allows trouble-free operation in a wide temperature and load range
- A very stable high-pressure absorption capacity under shock loads
- A low foaming tendency
- The synthetic formulation reduces friction, and is energy-efficient in a wide temperature range
- An excellent low-temperature behavior
- An excellent rust and corrosion protection

## Technical Product Data

| PROPERTY                    | UNIT               | DATA     | AUDIT           |
|-----------------------------|--------------------|----------|-----------------|
| Density at 20 °C            | kg/m <sup>3</sup>  | 850,0    | EN ISO 12185    |
| Colour                      |                    | hellgelb | VISUELL         |
| Viscosity at 100 °C         | mm <sup>2</sup> /s | 31,4     | DIN 51562-1     |
| Viscosity at 40 °C          | mm <sup>2</sup> /s | 215,0    | DIN 51562-1     |
| Viscosity Index VI          |                    | 193      | DIN ISO 2909    |
| Pourpoint                   | °C                 | -54      | DIN ISO 3016    |
| Flashpoint                  | °C                 | 262      | DIN EN ISO 2592 |
| Copper Strip Test at 150 °C |                    | 1a       | ASTM D130       |

All indicated data are approximate values and are subject to the commercial fluctuations.