



# TURMOGEOIL 680 OM



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**TURMOGEOIL 680 OM** is a gear oil for high loads and extended oil change intervals.

**TURMOGEOIL 680 OM** contains a combination of special additives which smoothen the contact surface of gear wheels, even if damages caused by conventional gear oil have already occurred.

**TURMOGEOIL 680 OM** meets the CLP requirements of DIN 51517.

## Special properties

- High load carrying capacity
- Excellent corrosion protection
- High ageing resistance
- Low foaming tendency
- Not emulsifying
- Neutral to sleeves and most sealing material
- No corrosion of nonferrous metals up to 100°C
- Long oil change intervals, low maintenance costs

Product Characteristics	Value	Dimension	Norm / Standard
Colour	brownish / transparent		
Density at 20°C	0,90	g/cm <sup>3</sup>	DIN 51757
Operating temperature range	0 to 100	°C	
Oil type	Mineral oil		
Kinematic viscosity at 40°C	680	mm <sup>2</sup> /s	DIN EN ISO 3104
Kinematic viscosity at 100°C	37	mm <sup>2</sup> /s	DIN EN ISO 3104
Viscosity index (VI)	89		DIN ISO 2909
Pour point	≤ -5	°C	DIN ISO 3016
Flash point	> 220	°C	DIN EN ISO 2592

## Application

**TURMOGEOIL 680 OM** is used for the lubrication of gear drives and bearings with splash or oil circulation as well as for claw couplings, pressure-bearings of roller journals and high loaded joints. The oil is especially suitable for gears and bearings of roller plant frames, calendar, mine-machines, winches and crushing machines and gearboxes in textile machinery e. g. weaving machines.

## Note

The most gearbox housings are usually equipped with a protective interior coating. The used coatings are commonly resistant against gear oils based on mineral oil only up to 100°C.

This may cause the coatings to dissolve at temperatures above 100°C and lead to gear damage.

Therefore, the use of **TURMOGEOIL 680 OM** at higher temperatures needs to be tested on a case-by-case basis.

## Packaging units

6 x 5 l canister, 20 l canister, 60 l drum, 200 l drum



The products are subject to continuous strict production controls and comply with our own factory specifications. A warranty for each case cannot be given, due to the variety of relevant factors. Therefore, we recommend the implementation of field tests. Herewith, any liability is expressly excluded.

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