SO32 perma multipurpose oil

Description

perma SO32 is a high-performance gear and multi-purpose oil on a mineral oil base. It complies with CLP gear oil requirements in accordance with DIN 51517, pt. 3 and is considered special in terms of its good anti-wear and anticorrosion properties.
perma SO32 has a scuffing load stage > 12 and a change in specific weight < 0.2 mg per kWh, according to the FZG test DIN 51354 part. 2.
perma SO32 has a high micropitting resistance and a scuffing load stage > 10 ac-cording to the micropitting test, FVA No. 54. perma SO32 is neutral towards non ferrous metals, elastomers and "standard" internal gear paints.

perma SO32

- High-performance gear and multipurpose oil
- Ageing and oxidation resistance
- FZG scuffing load stage > 12
- High micro pitting resistance
- Good wear protection for gear teeth and rolling bearings
- Low foam generation

Application

perma SO32 is suitable for lubrication of spur bevel and worm gears may also be used to lubricate plain and rolling bearings, spindles, chains, slide-ways, joints and gear couplings.

Application notes

perma SO32 is a lubricant especially developed for the perma Lubrication Systems. To ensure adequate metering and maintenance-free lubrication, this product is only available in an perma Lubrication System.

Minimum shelf life

The minimum shelf life is approx. 12 months if the product is stored in its unopened original container in a dry place.

Pack size

perma Lubrication Systems
Oil bottle on request

Source of supply

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Product data

Base oil	mineral
ISO VG DIN 51519	100
Kinematic viscosity, DIN 51561, at 40°C, mm²/s at 100°C, mm²/s	 100 11
Colour	yellow
Density, DIN 51757, at 20 °C, g/cm^3, approx.	0.85
Viscosity index, DIN ISO 2909	90
Pourpoint, DIN ISO 3016, °C	< -15
Service temperature range, °C	– 5 to 100
Compatibility with elastomers	
towards 72 NBR 902 at 100 °C / 168 h change in volume % change in hardness (Shore A), approx.	 < +2 ± 1
towards 75 FKM 585 at 130 °C / 168 h change in volume % change in hardness (Shore A), approx.	 < +2 ± 1