perma MULTI 100 (SO32)

Previous name: perma Multipurpose oil SO32

MULTIPURPOSE OIL

perma MULTI 100 (SO32) is a high-performance gear and multipurpose 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 MULTI 100 (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 MULTI 100 (SO32) has a high micropitting resistance and a scuffing load stage > 10 according to the micropitting test, FVA No. 54.
perma MULTI 100 (SO32) is neutral towards non ferrous metals, elastomers and „standard" internal gear paints.

Advantages

- **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 MULTI 100 (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 INFORMATION

perma MULTI 100 (SO32) is a lubricant especially developed for perma lubrication systems. To ensure adequate metering and maintenance-free lubrication, this product is only available in perma lubrication system.

SHELF LIFE

Shelf life is approx. 12 months if the product is stored in its unopened original container in a dry and frost-protected place.

PACKAGING

- → perma lubrication systems
- → Bottle 1 ltr
- → Bottle 5 ltr

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/cm³, 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


Gears


Sliding bearings


Spindles


Chains

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