



GEARSYNT

Fully synthetic industrial gear oils based on PG

Description

GEARSYNT are fully synthetic industrial gear oils based on special polyglycols which have good resistance to ageing, good load-bearing capability and offer high wear protection.

GEARSYNT oils have high micro pitting resistance and are good for dissolving and removing dirt. The reliable lubrication of contact roller bearings has been verified by the results of the FZG test.

Advantages

- Excellent wear protection for gear teeth and bearings
- Very good air release capability
- Excellent viscosity-temperature characteristics
- Enhances efficiency
- Excellent shear stability
- Excellent for use in high and low temperatures
- Good resistance to ageing
- Good protection against corrosion
- Low foaming

Field of application

GEARSYNT gear oils are specified for special spur, bevel, planetary and worm gears exposed to high loads. Gear oils based on polyglycol are particularly suitable for use in gears with a high number of sliding movements during power transmission.

The intervals between oil changes can be extended in accordance with the manufacturer's specifications.

Important:

GEARSYNT industrial gear oils cannot be mixed and are not compatible with mineral oils, esters and polyalphaolefins (PAO).

Check material compatibility before use.

Specifications

DIN 51 517/T3: CLP - PG
 ISO 6743-6 and ISO 12925-1: CKC / CKD / CKE / CKT
 AGMA 9005/E02:EP
 Siemens AG, 46395 Bocholt,
 FLENDER, Rev.13 (ISO VG 220 - 1000)
 ALPHA, transmission manufacturer

Technical data

Properties	Unit	Test according to	Values							
Viscosity class	ISO VG	DIN ISO 3448	68	100	150	220	320	460	680	1000
Colour		DIN ISO 2049	yellow	yellow	yellow	yellow	yellow	yellow	yellow	yellow
Density at 15°C	g/ml	ASTM D 4052	1.035	1.043	1.051	1.075	1.075	1.075	1.075	1.075
Viscosity at 40°C	mm ² /s	DIN 51562-1	68	100	145	220	320	460	680	1000
Viscosity at 100°C	mm ² /s	DIN 51562-1	13.8	19.6	27	36.8	54.4	75.1	110.3	162
Viscosity index		DIN ISO 2909	212	220	224	218	237	245	261	281
Pour point	°C	DIN ISO 3016	-51	-48	-51	-36	-39	-36	-33	-36
Flash point	°C	DIN ISO 2592	>240	>260	>260	>240	>240	>280	>280	>280
FZG A/8.3/90 fail load stage		DIN 51354-2	>12	>12	>14	>14	>14	>14	>14	>14

Water hazard class: WGK 1
 Disposal code: VeVA/EWC 130 206

The above information is subject to change without prior notice, although it is in accordance with current standards. Performance characteristics indicated are based on usual tolerances which occur during measuring and production using the latest technology. A safety data sheet is available.



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