GEAR COMPOUND PLUS

High-pressure industrial gear oils, free of zinc and lead

Description

GEAR COMPOUND PLUS oils are mineral industrial gear oils with excellent chemical and physical characteristics. Carefully selected base oils and coordinated additives give this versatile lubricant its exceptional performance. In the case of high and intense sudden loading there is always a protective oil film between the surfaces that transfer power.

Advantages

- Excellent corrosion protection
- High protection against wear
- Very good at withstanding micro pitting
- Compatible with sealing materials generally used for mineral oil
- Very good demulsification capability
- Low tendency to foam
- Excellent shear stability
- High ageing and oxidation stability

Field of application

GEAR COMPOUND PLUS is recommended for all spur, bevel and planetary gears produced by all well-known manufacturers. The exceptional quality of this lubricant becomes particularly apparent in the case of difficult conditions. Another useful feature of GEAR COMPOUND PLUS is its good corrosion characteristics in respect of steel and non-ferrous metals. These oils are extremely suitable for industrial gears for use in gravel plants, mountain railways, industrial plants and sewage treatment plants.

Specifications

The products meet and exceed the requirements in accordance with:

DIN 51 517/T3: CLP
ISO 6743-6 and ISO 12925-1: CKB / CKC
AIST 224
AGMA 9005/E02:EP
Siemens AG, 46395 Bocholt,
FLENDER, Rev.14 (ISO VG 150 - 680)
SED 181226

Technical data

Properties	Unit	Test according to	Values								
Viscosity class	**ISO VG**	**DIN ISO 3448**	**46**	**68**	**100**	**150**	**220**	**320**	**460**	**680**	**1000**
Colour		DIN ISO 2049	brown	brown	brown	brown	brown	brown	brown	brown	brown
Density at 20 °C	g/ml	ASTM D 4052	0.876	0.878	0.880	0.887	0.892	0.897	0.900	0.917	0.924
Viscosity at 40 °C	mm²/s	DIN 51562-1	46	67	102	149	220	330	468	662	992
Viscosity at 100 °C	mm²/s	DIN 51562-1	6.8	8.6	11.4	14.6	18.9	24.6	30.8	36.5	44.8
Viscosity index		DIN ISO 2909	102	100	98	97	96	96	95	90	85
Pour point	°C	ASTM D 5950	- 36	- 30	- 27	- 24	- 24	- 24	- 18	- 11	-9
Flash point	°C	DIN EN ISO 2592	≥200	≥200	≥200	≥200	≥200	≥200	≥200	≥200	≥200
Corr. steel test B	(Corr. level)	DIN ISO 7120	0	0	0	0	0	0	0	0	0
Copper corrosion	(Corr. level)	DIN EN ISO 2160	1	1	1	1	1	1	1	1	1
FZG A/16.6/140	Fail load stage										
Starting temp.: 140° C		DIN ISO 14635-1	>12	>12	>12	>12	>12	>12	>12	>12	>12
FZG-GFT* test GT-C/8.3/90											
Continuous / Stage test	GF class	FVA-54/II	GFT high	GFT high	GFT high	GFT high	GFT high	GFT high	GFT high	GFT high	GFT high

* GFT = micro pitting test

Water hazard class: WGK 1
Disposal code: VeVA/EWC 130 205

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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