TECHNICAL DATA SHEET

AIMOL Geartech CLP PAG

High temperature and heavy duty synthetic gear oil based on PAG base stock

DESCRIPTION

AIMOL Geartech CLP PAG fluids are premium quality, 100% synthetic polyalkylene glycol based industrial gear oils containing antioxidant and anticorrosion additives, creating a lubricant with excellent thermal properties. The very high viscosity index offers fluidity down to very low temperatures and adequate film thickness at elevated temperatures. These oils are recommended for heavy loaded gearboxes and worm wheel boxes, including the so-called filled-for-life units.

BENEFITS

- Extends life span of the installation
- Reduces maintenance
- Optimal protection of gear boxes against fretting and wear
- Longer drain interval, even at higher working temperatures
- Excellent thermal and oxidation stability
- Low pour point
- Protection from rust and corrosion
- Optimal lubrication at high and low temperatures, even at heavy loads
- Very good compatibility with plugs and seals

APPLICATIONS

AIMOL Geartech CLP PAG is a long life synthetic oils range intended for the lubrication of worm gears, gear brakes, roll and plain bearings circulating systems, etc. They are widely used in many segments of the industry such as textile, paper, cement, gearbox producers, steel and wood, plastics and glass derivates.

SPECIFICATIONS

- FZG gear test (DIN 51354) A/8.3/90: >12
- FAG FE 8 roller bearing test weight loss roller (mg): 12
- Vickers vane pump test V 104-c-10 (DIN 51389 part 2): 2
- Brugger-Weingarten max load (N/mm^2): 47
- Busak & Shamban micro scratching test : pass
- DIN 51517 part 3 (CLP)

TYPICAL FIGURES

Parameter	68	100	120	150	220	320	460	680	1000
Colour	Colorless								
Density @ 20 °C, kg/dm3	0,99	0,99	0,99	1,001	1,000	1,000	1,000	1,000	1,089
Viscosity @ 40 °C, cSt	68	117	120	151	222	310	467	674	990
Viscosity Index	170	185	190	160	220	225	250	270	284
Flash point, °C	225	238	240	240	240	240	>225	>250	>290
Pour point, °C, max	-40	-40	-40	-30	-30	-30	-28	-27	-30
Rust test	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
FZG load stage (DIN 51354)	>12	>12	>12	>12	>12	>12	>12	>12	>12
FZG (DIN 14635-1), A/16.6/90	≥12	≥12	≥12	≥12	≥12	≥12	≥12	≥12	≥12
FZG (DIN 14635-1), A/8.3/90	≥14	≥14	≥14	≥14	≥14	≥14	≥14	≥14	≥14
FAG FE8, DIN 51819-3, D 7.5/80-8, rolling elem.	12	12	12	12	12	12	12	12	12
FAG FE8, DIN 51819-3, D 7.5/80-8, wear of cage	28	28	28	28	28	28	28	28	28

TECHNICAL DATA INFO LINE

Should you require additional information or advice on AIMOL products, please contact us as per the details below.

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MADE IN HOLLAND

HEALTH AND SAFETY

AIMOL Geartech CLP PAG has no adverse health effects provided it is used as directed.

DISCLAIMER

Typical figures as indicated may vary per production cycle and can change at manufacturers' option. Specifications, however, are guaranteed. Because of continuous product research and development, the information within this data sheet is subject to change without any notification. Although every effort is made to ensure accurate information, A.I.M. bv accepts no liability for any loss or damage suffered caused by the incorrectness and/or incompleteness of this text, and as a result of using this product for any application other than explicitly stated in this data sheet.