TECHNICAL DATA SHEET

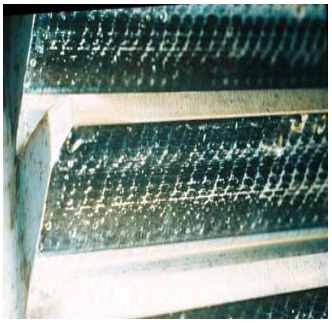
AIMOL Gearline CLP F

Gear oil offering protection against micro pitting

DESCRIPTION

AIMOL Gearline CLP F is range of mineral gear oils developed for any type of gearbox. The latest technology in base oils and a special additive package provides excellent protection against micro pitting. AIMOL Gearline CLP F provides superior EP (Extreme Pressure) properties, a very good anti oxidant and anti rust protection, excellent anti wear properties and has a low tendency to foaming. Furthermore AIMOL Gearline CLP F provides quick moisture separation and optimal filterability.

MICRO PITTING



Micro pitting occurs under elastohydrodynamic lubrication (EHL) and will appear on the working surfaces of the gear. It is recognized as damaging to gear tooth accuracy, and in some cases, a primary failure mode.
Micropitting begins as surface contact at high points on gear tooth surfaces, such as crests of undulations, peaks of cutter scallops, ridges of grinding lay and edges of grinding scratches where maximum peak-to-valley roughness of tooth surface may be about two to four mm. It may occur at edges of teeth and boundaries of surface defects, such as scratches and dents. It may also occur adjacent to damage from other failure modes such as micropitting or scuffing, and anywhere lubricant film is disrupted.
AIMOL Gearline CLP F is formulated according to the latest technology and the latest knowledge of preventing from micro pitting.

APPLICATION

AIMOL Gearline CLP F can be used in industrial gears when EP properties are needed or whenever US STEEL 224, DIN 51517 CLP or CINCINNATI MILACRON. It meets the FLENDER specifications.
Typical applications of heavy loaded gearboxes can be found in

- Wind turbines
- Metal processing industry
- Cement industry
- Plastic, paper and ceramics industry

TYPICAL FIGURES

Parameter	*Test method*	*CLP F 100*	*CLP F150*	*CLP F 220*	*CLP F 320*	*CLP F 460*
Density @ 20 ºC, g/ml	-	*0,886*	*0,887*	*0,889*	*0,893*	*0,897*
Viscosity @ 40 ºC, cSt	-	100	150	220	320	460
Viscosity @ 100 ºC, cSt	-	11	14	18	21	27
Viscosity index	-	95	95	90	90	90
Flash point, ºC	ASTM D92	210	210	210	215	220
Pour point, ºC	ASTM D97	-15	-15	-13	-10	-9
Copper Corrosion	ASTM D130	1a	1a	1a	1a	1a
Micropitting test	FVA 54/7	10+	10+	10+	10+	10+
Test FZG, scuffing load	A/8.3/90	>12	>12	>12	>12	>12

TECHNICAL DATA INFO LINE

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

HEALTH AND SAFETY

AIMOL Gearline CLP F 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.

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