



## AIMOL Geartech CLP PAO

### Synthetic gear and bearing fluids

#### DESCRIPTION

**AIMOL Geartech CLP PAO** gear oils are range of products particularly suited to gear applications operating under extreme conditions. These products are formulated with PAO synthetic base stocks in order to provide performance superior to conventional mineral oils. Furthermore they are fully compatible with mineral products and guarantee a smooth change over. The product provides significantly improved load carrying ability, excellent wear and rust protection, high viscosity index, high flash point, low pour point, outstanding oxidative stability and cleaner systems.

#### BENEFITS

- ◆ Excellent oxidation and thermal stability
- ◆ High operating temperature range
- ◆ Lower maintenance cost
- ◆ Energy reduction up to 3%
- ◆ Improves cleanliness
- ◆ Extended lubricant life
- ◆ Compatibility with most common paints, gaskets and seals
- ◆ Good compatibility with mineral based lubricants

#### APPLICATION

**AIMOL Geartech CLP PAO** is used in gear applications operating in extreme service conditions and applications where extreme temperatures (both high & low) occur.

#### SEAL COMPATIBILITY

SRE-NBR seal test (DIN 53538-3)

- ◆ Volume change: 1%,
- ◆ Hardness change: -1 pts,
- ◆ Rupture elongation: -2%,
- ◆ Tensile strength change: 4%

#### TYPICAL FIGURES

	Test method	68	100	150	220	320	460	680
Colour								
Density @ 20°C, gr/ml		0.82	0.82	0.84	0.84	0.84	0.85	0.85
Viscosity @ 40°C, cSt	ASTM D445	68	100	145	220	300	450	651
Viscosity @ 100°C, cSt	ASTM D445	8,44	14	18	24,8	32,3	45,4	59
Viscosity index	ASTM D2270	135	>140	137	142	149	157	156
Flash point, °C	ASTM D92	225	>220	264	264	260	264	240
Pour point, °C	ASTM D97	-33	<-30	-54	-54	-45	-42	-36
Rust protection								
• Water	ASTM D665	Pass	Pass	Pass	Pass	Pass	Pass	Pass
• Saline		Pass	Pass	Pass	Pass	Pass	Pass	Pass
4-ball wear test, welding load, kg	ASTM D2783	650	650	650	650	650	650	650
Copper corrosion	ASTM D130	1b	1b	1b	1b	1b	1b	1b
Total acid number, mg KOH/g	ASTM D664	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6	<0.6
Foam tendency, ml (Seq I, II, III)	ASTM D892	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/10/0
FZG	DIN 51254	12+	12+	12+	12+	12+	12+	12+
Timken OK load, lbs	ASTM D2782	>60	>60	>60	>60	>60	>60	>60
Demulsify	ASTM D 1401							
								41-39-00 (15)
Micropitting FVA 90°C								>10
Flender micropitting test								GTF high
FAG FE8 D 7.5/80-80								4.25



## TECHNICAL DATA SHEET

### **AIMOL Geartech CLP PAO**

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##### **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 Geartech CLP PAO** has no adverse health effects provided it is used as directed.

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.