IGO FXP

Advanced synthetic Industrial Gearboxes Oils with Micropitting Resistance

Product Overview

The IGO FXP gear oils are premium synthetic industrial gearboxes oils designed to meet the highest demand of industrial gears. They are formulated with polyalphaolefin [PAO] and Ester based fluids for outstanding performances. Their low traction coefficient combined with a high viscosity index provides improved gear efficiency, energy savings, less friction, less wear, and lower operating temperatures compared to conventional mineral oil products.

IGO FXP gear oils can be used over a wide operational temperature range (-30°C to 120°C) and provide superior performance in heavily loaded or shock-loaded gears and bearing applications where severe duty conditions necessitate extreme pressure performance as a service requirement.

Benefits

- Excellent thermal and oxidation stability for longer service life
- High viscosity index and low pour point for a wide operational temperature range
- Energy savings through reduced operating temperatures
- Extended drain intervals
- Compatibility – IGO FXP gear oils are compatible with most mineral oil based industrial gear lubricants, as well as with most PAO based synthetic industrial gear lubricants
- Extreme pressure properties and load carrying characteristics for reduced wear even when gears are heavily loaded or subjected to shock loads

Applications

- IGO FXP gear oils have been formulated for use in all types of enclosed industrial gearboxes, including heavy duty systems, requiring extreme pressure performance

Health and Safety

This lubricant is unlikely to produce any significant health or safety hazard when used in the application it has been designed for and according to the recommendations provided in the Material Safety Data Sheet. MSDS are available upon request through your sales advisor.

When disposing of used oil, please observe all current regulations and protect the environment.

IGO FXP SERIES

Meets or exceeds the following industry Specifications					
Grade	150	220	320	460	680
US STEEL 224 / AIST 224	✓	✓	✓	✓	✓
ANSI/AGMA 9005-E02 (EP)	✓	✓	✓	✓	✓
Five Cincinnati EP Gear Oils	✓	✓	✓	✓	✓
DIN 51547-3 CLP / ISO 12925-1 CKC/CKD	✓	✓	✓	✓	✓
DAVID BROWN S1.53.106	✓	✓	✓	✓	✓
Siemens MD for Flender Gearboxes-Revision 15	✓	✓	✓	✓	✓

Typical properties						
Test parameters	**Method**					
Viscosity @ 40 ºC, cSt	ASTM D 445	150	220	320	460	680
Viscosity @ 100 ºC, cSt	ASTM D 445	20.0	28.0	38.0	52	67.0
Viscosity Index	ASTM D 2270	>140	>140	>140	>140	>140
Flash Point, ºC	ASTM D 92	>200	>200	>200	>200	>200
Pour Point, ºC	ASTM D 97	<-9	<-9	<-9	<-9	<-9
Density @ 15.6 ºC, Kg/l	ASTM D 4052	0.87	0.87	0.88	0.88	0.88
4-Ball EP – Weld Load, kg	ASTM D 2783	>200	>200	>200	>200	>200
Timken test – OK load, lbs	ASTM D 2782	>60	>60	>60	>60	>60
FZG A/16.6/90, fail stage	ASTM D 2782	12+	12+	12+	12+	12+
Copper corrosion	ASTM D 130	1B	1B	1B	1B	1B

Above characteristics are mean values given as information. They do not constitute a specification.