CPI®-FMO Series

Product Data Sheet

Description

The **CPI®-FMO** (Food Machinery Oil) Series lubricants are formulated to be NSF H1 certified. Formulated with premium technical white mineral oil and a robust antiwear additive package, **CPI®-FMO** is optimized for use in low-load, high speed industrial gearing systems such as integrally gear driven compressors.

Features of the **CPI®-FMO** lubricants include excellent antiwear, demulsibility and foam characteristics in addition to rust and oxidation inhibition, which give **CPI®-FMO** lubricants improved performance over conventional mineral oils.

The **CPI®-FMO** Series lubricants are non-toxic and suitable for use in food processing facilities where NSF H1 certified products are required.

Applications and Compressor Type

- Integrally gear driven compressors
- Bull gear applications
- Other applications requiring an incidental food contact lubricant

Features and Benefits

Excellent demulsibility	Optimum water separation at different temperatures
Oxidatively stable	Longer system life
Low volatility	Reduced maintenance, reduced top-off
Corrosion protection	Enhanced system reliability and reduced down-time
Excellent lubricity	Increased efficiency, reduced cost of operation
Food grade certified	NSF H1 certified for use within food processing environments

CPI Fluid Engineering
2300 James Savage Road
Midland, MI 48642

Telephone: 989.496.3780
Fax: 989.496.2313

E-mail: sales@cpieng.com
www.cpifluideng.com

CPI®-FMO Series

Product Data Sheet

Typical Properties*

Test Procedure	ASTM Test Method	CPI®-FMO-150	CPI®-FMO-220	CPI®-FMO-320	CPI®-FMO-460	CPI®-FMO-680**	CPI®-FMO-1000**
Kinematic Viscosity, cSt	**D445**						
40°C		154.8	232.9	310.4	476.4	647.3	935.5
100°C		15.52	20.64	25.15	33.8	41.7	53.9
Viscosity Index	**D2270**			104	105	106	108
Density, g/mL	**D4052**						
20.0°C		0.8724	0.875	0.878	0.882	0.884	0.886
Pour Point, °C	**D97**	-15	-18	-20	-20	-21	-21
Flash and Fire Point, °C	**D92**						
Flash Point		272	288	238	232	238	238
Fire Point		304	308	254	271	271	271
Foaming Tendency, mL	**D892**						
Sequence I		0/0	10/0	0/0	0/0	0/0	0/0
Sequence II		30/0	40/0	20/0	20/0	10/0	20/0
Sequence III		0/0	0/0	0/0	0/0	0/0	0/0
Copper Strip Corrosion	**D130**						
100°C for 3 hours		1B	1A	1B	1B	1B	1B

*These values are not intended for use in preparing specifications

**Products not currently commercially available, but can be available upon request

CPI Fluid Engineering
2300 James Savage Road
Midland, MI 48642

Telephone: 989.496.3780
Fax: 989.496.2313

E-mail: sales@cpieng.com
www.cpifluideng.com