

Description

The **CPI®-4617-F** Series represents a complete line of full synthetic industrial gear oils, formulated to be NSF H1 certified. Formulated with high-quality synthetic polyalphaolefin (PAO) base oils and a balanced sulfur-phosphorus additive package, **CPI®-4617-F** is optimized for use in low-load, high speed industrial gearing systems such as integrally gear driven compressors.

CPI®-4617-F also features excellent thermal and oxidative stability, enabling them to operate over a wide range of temperatures without coking, deposit formation or corrosion. These lubricants also have low volatility and compatibility with mineral oils.

The **CPI®-4617-F** Series is available in viscosity grades from ISO VG 150 to ISO VG 1000, delivering a complete non-toxic product line suitable for use in food processing facilities where NSF H1 certified products are required.

Applications and Compressor Type

- Food processing or other facilities where NSF H1 certification is required
- Integrally gear driven compressors
- Bull gear applications
- Other applications requiring a chemically and thermally stable lubricant

Features and Benefits

EP Performance	Superior anti-seizure performance
Oxidatively stable	Longer system life
Low volatility	Reduced maintenance, reduced top-off
Corrosion protection	Enhanced system reliability and reduced down-time
Food grade certified	NSF H1 certified for use within food processing environments

Typical Properties*

Test Procedure	ASTM Test Method	CPI®-4617-150-F	CPI®-4617-220-F	CPI®-4617-320-F	CPI®-4617-460-F	CPI®-4617-680-F	CPI®-4617-1000-F**
Kinematic Viscosity, cSt	D445						
40°C		138.3	204.5	308.3	434.4	601.0	966.2
100°C		20.95	29.2	42.0	36.4	71.3	109.2
Viscosity Index	D2270	177	183	192	126	198	212
Density, g/mL	D4052						
15.6°C		0.8393	0.8413	0.8427	0.8617	0.8471	0.8487
20.0°C		0.8366	0.8386	0.8401	0.8589	0.8445	0.8459
Pour Point, °C	D97	-45	-47	-48	-39	-45	-36
Flash and Fire Point, °C	D92						
Flash Point		272	282	274	218	208	298
Fire Point		302	286	286	276	210	302
Foaming Tendency, mL	D892						
Sequence I		0/0	0/0	0/0	20/0	0/0	0/0
Sequence II		0/0	20/0	20/0	260/0	0/0	0/0
Sequence III		0/0	0/0	0/0	10/0	0/0	0/0
Four Ball Wear, 40 kg	D4172						
Avg. Wear Scar, mm		0.45	0.40	0.42	0.47	0.32	0.31
Four Ball EP	D2783						
Weld Point, kg		160	200	160	160	200	200

*These values are not intended for use in preparing specifications

**CPI®-4617-100-F is not currently commercially available, but can be available upon request