

CPI®-4600-F Series

Food Grade Compressor Lubricants



Description

The **CPI®-4600-F Series** compressor lubricants are formulated using a premium polyalphaolefin (PAO) synthetic base fluid coupled with an unparalleled high performance additive package.

These compressor lubricants feature superior thermal and oxidative stability, enabling them to operate over a wide range of temperatures without coking, deposit formation, or corrosion. They also have low volatility and compatibility with mineral oil lubricants.

The **CPI®-4600-F Series** lubricants are non-toxic and suitable for use in food processing facilities where NSF H1 certified products are required.

Applications and Compressor Type

- Flooded rotary screw compressors
- Liquid ring vacuum pumps
- Other applications requiring an oxidative and thermally resistant lubricant

Features and Benefits

Low volatility

Corrosion protection

Excellent lubricity

Oxidatively stable

Food grade certified

Reduced maintenance and top-offs

Enhanced system reliability and reduced down-time

Increased efficiency and reduced cost of operation

Longer system life

NSF H1 certified for use within food processing environments

Typical Properties*

Test Procedure	ASTM Test Method	CPI®-4600 22-F	CPI®-4600 32-F	CPI®-4600 46-F	CPI®-4600 68-F	CPI®-4600 100-F	CPI®-4600 150-F
Kinematic Viscosity, cSt	D445						
40°C		22.11	30.98	41.66	65.95	98.29	143.4
100°C		4.65	5.88	7.41	9.86	15.72	21.58
Viscosity Index	D2270	130	137	145	133	171	177
Density, g/mL	D4052						
15.6°C		0.8235	0.8286	0.8337	0.8365	0.8368	0.8388
20.0°C		0.8208	0.8258	0.8293	0.8338	0.8341	0.8361
Flash and Fire Point, °C	D92						
Flash Point		230	249	246	277	258	285
Fire Point		268	279	248	279	262	313
Pour Point, °C	D5950	-66	-66	-44	-56	-45	-48
Foaming Tendency, mL	D892						
Sequence I		0/0	0/0	0/0	180/0	20/0	50/0
Sequence II		0/0	0/0	0/0	10/0	30/0	20/0
Sequence III		0/0	0/0	0/0	150/0	10/0	20/0
Rust Test	D665						
Part A - Distilled Water		Pass	Pass	Pass	Pass	Pass	Pass
Copper Strip Corrosion	D130	1B	1B	1B	1B	1A	1A

*These values are not intended for use in preparing specifications

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