

CPI®-4608-F Series

Food Grade Compressor Lubricants



Description

The **CPI®-4608-F Series** compressor lubricants are formulated using premium polyalphaolefin (PAO) synthetic base fluid coupled with a 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 feature low volatility and compatibility with mineral oils.

The **CPI®-4608-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

- Rotary screw and vane compressors
- Reciprocating compressors
- Centrifugal compressors
- Vacuum pumps
- Applications requiring NSF H1 (lubricants with incidental food contact) certification
- Other applications requiring an oxidative and thermally resistant lubricant

Features and Benefits

Oxidatively stable

Low volatility

Corrosion protection

Excellent lubricity

Food grade certified

Longer system life

Reduced maintenance and top-offs

Enhanced system reliability and reduced down-time

Increased efficiency, reduced cost of operation

NSF H1 certified for use within food processing environments

Typical Properties*

Test Procedure	ASTM Test Method	CPI®4608-32-F	CPI®4608-46-F	CPI®-4608-68-F	CPI®-4608-100-F	CPI®-4608-150-F	CPI®-4608-220-F
Kinematic Viscosity, cSt	D445						
40°C		30.39	40.91	64.35	99.57	138.5	201.8
100°C		5.81	7.32	9.75	15.85	21.06	29.03
Viscosity Index	D2270	137	145	134	170	177	184
Density, g/mL	D4052						
15.6°C		0.8292	0.8327	0.8371	0.8376	0.8394	0.8415
20.0°C		0.8264	0.8299	0.8343	0.8349	0.8367	0.8388
Flash and Fire Point, °C	D92						
Flash Point		213	252	279	241	264	232
Fire Point		215	256	283	247	266	236
Pour Point, °C	D97	-65	-43	-55	-46	-46	-46
Foaming Tendency, mL	D892						
Sequence I		0/0	260/0	560/390	0/0	0/0	0/0
Sequence II		0/0	0/0	20/0	0/0	0/0	0/0
Sequence III		0/0	150/0	500/320	0/0	0/0	0/0
Demulsibility	D1401						
Water-Oil-Emulsion (Time)		41-39-0 (5)	38-39-3 (10)	38-40-2 (5)	43-36-1 (10)	41-37-2 (15)	41-38-1 (20)
Air Release, minutes	D3427	0.2	0.1	1.6	6.1	6.7	8.3
Copper Strip Corrosion	D130	1B	1A	1A	1A	1A	1A
Rust Test	D665						
Part A - Distilled Water		Pass	Pass	Pass	Pass	Pass	Pass

*These values are not intended for use in preparing specifications

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