

CPI®-4265-F Series

Food Grade Compressor Lubricants



Description

The **CPI®-4265-F Series** compressor lubricants are formulated using premium polyalphaolefin (PAO) and food grade ester synthetic base fluids coupled with a high performance additive package. This innovative formulation has field-proven performance and a **rated oil life of 8,000 hours**.

The **CPI®-4265-F Series** lubricants feature superior thermal and oxidative stability enabling them to operate over a wide range of temperatures without coking, deposit formation, or corrosion. In addition, the **CPI®-4265-F Series** lubricants have low volatility, exceptional rust and corrosion protection, and compatibility with mineral oils.

The **CPI®-4265-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
- Applications requiring NSF H1 (lubricants with incidental food contact) certification
- Other applications requiring an oxidative and thermally resistant lubricant

Features and Benefits

Oxidatively stable	Longer system life
Low volatility	Reduced maintenance and top-offs
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

Typical Properties*

Test Procedure	ASTM Test Method	CPI®-4265-46-F	CPI®-4265-68-F
Kinematic Viscosity, cSt	D445		
40°C		46.88	68.18
100°C		7.71	10.56
Viscosity Index	D2270	132	143
Density, g/mL	D4052		
15.6°C		0.8551	0.8579
20.0°C		0.9517	0.8552
Flash and Fire Point, °C	D92		
Flash Point		262	288
Fire Point		298	302
Pour Point, °C	D97	-51	-42
Foaming Tendency, mL	D892		
Sequence I		250/0	340/0
Sequence II		20/0	20/0
Sequence III		340/0	360/0
Demulsibility	D1401		
Water-Oil-Emulsion (Time)		42-38-0 (15)	40-38-2 (15)
Air Release, minutes	D3427	-	6.6
Copper Strip Corrosion	D130	1B	1B
Rust Test	D665		
Part A - Distilled Water		Pass	Pass
Part B - Sea Water		Pass	Pass

*These values are not intended for use in preparing specifications

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