



CPI®-4601 Series

Air and Specialty Gas Compressor Lubricants

Description

The **CPI®-4601 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. Additional features include low volatility and compatibility with mineral oil lubricants.

The **CPI®-4601 Series** fluids are non-toxic and are accepted for use in food processing facilities where NSF H2 certified products are permitted. The **CPI®-4601 Series** meets ISO 6743-3A DAB and DAJ classifications.

Applications and Compressor Type

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

Features and Benefits

Oxidatively stable

Low volatility

Corrosion protection

Longer system life

Reduced maintenance and top-offs

Enhanced system reliability and reduced down-time

Typical Properties*

Test Procedure	ASTM Test Method	CPI®-4601-15	CPI®-4601-32	CPI®-4601-46	CPI®-4601-68	CPI®-4601-100	CPI®-4601-150
Kinematic Viscosity, cSt	D445						
40°C		17.19	29.87	46.58	64.32	107.3	139.4
100°C		3.91	5.74	8.24	10.9	16.34	21.36
Viscosity Index	D2270	123	137	153	162	173	179
Density, g/mL	D4052						
15.6°C		0.8197	0.8364	0.8407	0.8421	0.8449	0.8466
20.0°C		0.8169	0.8336	0.8380	0.8393	0.8422	0.8438
Flash and Fire Point, °C	D92						
Flash Point		230	242	279	278	255	269
Fire Point		256	278	290	288	257	279
Pour Point, °C	D5950	-74	-67	-45	-45	-48	-49
Rust Test	D665						
Part A - Distilled Water		Pass	Pass	Pass	Pass	Pass	Pass
Part B - Sea Water		Pass	Pass	Pass	Pass	-	-
Air Release, min.	D3427	0.1	-	2	5	1.3	1.2
Noack Volatility, % Loss	D5800						
200°C		1.9	-	0.8	0.3	0.4	0.4
Conradson Carbon Residue	D189						
% Residue		0.0	0.0	0.0	0.0	0.0	0.0

*These values are not intended for use in preparing specifications

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