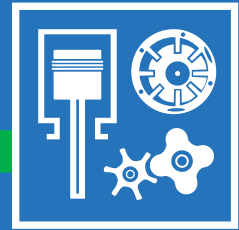


# CPI®-4100 Series

## Air Compressor Lubricants



### Description

The **CPI®-4100** Series compressor lubricants are formulated using high quality diester base fluid, combined with an excellent performance additive package.

These compressor lubricants feature enhanced oxidation and thermal stability enabling them to operate over a wide range of temperatures without varnish, sludge and carbon deposit formation. The lubricants have extremely low volatility enabling decreased maintenance and significantly reduced lubricant consumption.

The **CPI®-4100** Series are particularly suited to use in reciprocating compressors with high compression ratios where high temperatures are prevalent.

### Applications and Compressor Type

- Reciprocating compressors, crankcase and cylinder
- Rotary vane and screw compressors
- Heat transfer fluid
- Vacuum pumps
- Other applications requiring an oxidative and thermally resistant lubricant

### Features and Benefits

**Oxidatively stable**

**Low volatility**

**Corrosion protection**

**Excellent low temperature performance**

Longer system life

Reduced maintenance, reduced top-up

Enhanced system reliability and reduced down-time

Significant operating temperature range

Test Procedure	ASTM Test Method	CPI®-4100-68	CPI®-4100-100
<b>Density, g/mL</b>	<b>D4052</b>		
20.0°C		0.954	0.952
<b>Water Content, ppm</b>	<b>D6304</b>	178	94
<b>Total Acid Number, mgKOH/g</b>	<b>D974</b>	0.11	0.15
<b>Flash and Fire Point,</b>	<b>D92</b>		
Flash Point °C		254	268
Fire Point °C		279	291
<b>Autoignition Temperature °C</b>	<b>E659</b>	392	389
<b>Kinematic Viscosity, cSt</b>	<b>D445</b>		
40°C		71.6	98.71
100°C		7.7	9.3
<b>Viscosity Index</b>	<b>D2270</b>	63	62
<b>Pour Point, °C</b>	<b>D97</b>	-37	-29
<b>Conradson Carbon Residue</b>	<b>D189</b>		
% Residue		0.008	0.004
<b>Noack Volatility</b>	<b>D972</b>		
% Loss		3.8	2.4
<b>Rust Test</b>	<b>D665</b>		
A - Distilled Water		-	Pass

**This product is also available in other viscosities and in a variety of packages. Additional test data is available on request. Please contact CPI for more information.**

CPI is a world leader in the synthetic lubricants industry with operations in North America, Europe, Africa and Asia Pacific regions.

In addition to our CPI®-4100 lubricants, we also offer a comprehensive range of Industrial Lubricants for Process gas, Hydrocarbon gas, Air Compressors, Vacuum Pumps, Hydraulics, Gears, Chains, Turbine, Landfill Gas, Field Gas, Chemical Process and many NSF H1 & H2 Food Grade applications.

We also offer lubricants for any refrigeration application including HFC, HCFC and HFO refrigerants, domestic and automotive air conditioning, commercial and industrial refrigeration and low Global Warming Potential (GWP) refrigerants such as Carbon Dioxide, other Hydrocarbons and Ammonia.

CPI is ISO 9001 and ISO 14001 accredited and also registered for the production of Halal, Kosher and Pareve products.