

CPI®-1516 Series

Hydrocarbon Process Gas Lubricants



Description

The **CPI®-1516** Series compressor lubricants are formulated using premium polyalkylene glycol (PAG), coupled with a high performance additive package. The lubricants are specifically formulated to ensure shear stability, corrosion protection, and excellent lubricity.

These compressor lubricants feature excellent protection against yellow metal staining by careful selection of a combination of corrosion inhibitors. This, coupled with unparalleled oxidative and thermal stability ensures that the use of these lubricants over a wide range of applications and systems will result in a long, trouble-free and uninterrupted service interval.

The **CPI®-1516** Series are specifically advantageous in high temperature applications, particularly as the low volatility and high viscosity index means that there is significantly reduced lubricant in the gas stream, ensuring that the use of these lubricants over a wide range of applications and systems will result in a long, trouble-free and uninterrupted service interval.

Applications and Compressor Type

- Flooded rotary screw compressors
- Propane refrigeration

Features and Benefits

Corrosion protection (yellow metals)

Oxidatively stable

Extremely low volatility

Excellent lubricity

High viscosity index

Enhanced system reliability and reduced down-time

Longer system life

Reduced maintenance, reduced top-up

Increased efficiency, reduced cost of operation

Satisfactory use over wide range of operational temperatures

Test Procedure	ASTM Test Method	CPI®-1516-68	CPI®-1516-100	CPI®-1516-150
ISO VG		68	100	150
Density, g/mL	D4052			
20.0°C		0.986	1.000	0.999
Water Content, ppm	D6304	162	193	163
Total Acid Number, mgKOH/g	D974	0.06	0.08	0.06
Flash and Fire Point,	D92			
Flash Point °C		218	260	260
Fire Point °C		241	277	282
Kinematic Viscosity, cSt	D445			
40°C		68.7	100.6	150.4
100°C		10.8	18.6	23.5
Viscosity Index	D2270	168	223	196
Pour Point, °C	D97	-48	-40	-34
Foaming Tendency, mL	D892			
Sequence I		0/0	0/0	0/0
Sequence II		0/0	0/0	0/0
Sequence III		0/0	0/0	0/0
Noack Volatility	D972			
% Loss		4.0	5.0	5.1
Copper Strip Corrosion	D130			
100 °C for 3 hours		1B	1B	1B
Rust Test	D665			
A - Distilled Water		Pass	Pass	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®-1516 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.