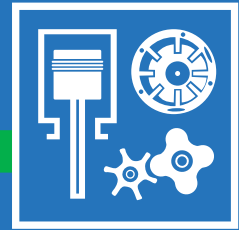


CPI®-1542 Series

Air Compressor Lubricants



Description

The **CPI®-1542** Series compressor lubricants are formulated using premium polyalkylene glycol (PAG) and polyol ester (POE) synthetic base fluid, coupled with a high performance additive package.

These compressor lubricants feature excellent thermal and oxidation stability enabling them to operate over a wide range of temperatures without degradation, varnish, deposit formation, or corrosion. The high viscosity index (VI) enables them to operate over this wide temperature range with a change in viscosity much reduced than other formulated lubricants.

The **CPI®-1542** Series are specifically advantageous in high temperature applications, particularly as the low volatility means that there is significantly reduced lubricant in the air stream and any degradation at high thermal temperatures will not result in any detrimental varnishes or deposits.

Applications and Compressor Type

- Rotary screw compressors
- Harsh chemical environments
- Coastal and marine environment
- Other applications, particularly high temperature environment

Features and Benefits

Oxidatively stable
Extremely low volatility
High viscosity index
Excellent lubricity

Longer system life
Reduced maintenance, reduced top-up
Wide temperature range of operation
Increased efficiency, reduced cost of operation

Test Procedure	ASTM Test Method	CPI®-1542-32	CPI®-1542-46
ISO VG		32	46
Density, g/mL	D4052		
20.0°C		0.982	0.978
Water Content, ppm	D6304	281	214
Total Acid Number, mgKOH/g	D974	0.07	0.06
Flash and Fire Point,	D92		
Flash Point °C		266	274
Fire Point °C		302	282
Autoignition Temperature °C	E659	407	396
Kinematic Viscosity, cSt	D445		
40°C		35.9	50.3
100°C		7.9	9.4
Viscosity Index	D2270	177	182
Pour Point, °C	D97	-51	-54
Foaming Tendency, mL	D892		
Sequence I		100/0	30/0
Sequence II		20/0	0/0
Sequence III		190/0	180/0
Air Release	D3427		
mL		1.0	0.8
Conradson Carbon Residue	D189		
% Residue		0.250	0.070
Noack Volatility	D972		
% Loss		5.9	4.8
Rust Test	D665		
A - Distilled Water		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®-1542 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.

CPI Fluid Engineering
www.cpifluideng.com

