

# CPI®-4600 Series

## Propylene Refrigeration Compressor Lubricant



### Description

The **CPI®-4600 Series** compressor lubricants are formulated using premium polyalphaolefin (PAO) 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 coking, deposit formation or corrosion. The lubricants have low volatility and exhibit excellent miscibility with hydrocarbon gas and good compatibility with mineral oil lubricants.

The **CPI®-4600 Series** are recommended for refrigeration services due to excellent low temperature properties. They are wax-free as they are synthetic. A low pour point prevents lubricants from congealing in refrigeration lines. High film strength provides lubricity even when diluted with refrigerant.



### Applications and Compressor Type

- Propylene Refrigeration
- Oil flooded rotary screw compressors
- Liquid ring vacuum pumps
- Other applications requiring an oxidative and thermally resistant lubricant

### Features and Benefits

#### Hydrocarbon miscibility

#### Oxidatively stable

#### Low volatility

#### High viscosity index

#### Excellent lubricity

Work well with hydrocarbon gas in industrial refrigeration systems

Longer system life

Reduced maintenance, reduced top-up

Wide temperature range of operation

Increased efficiency, reduced cost of operation

## Physical Properties

Test Procedure	ASTM Method	CPI®-4600-68	CPI®-4600-100
ISO VG		68	100
Viscosity at 40°C (cSt.)	ASTM D445	68.5	97.3
Viscosity at 100°C (cSt.)	ASTM D445	10.4	14.2
Viscosity Index	ASTM D2270	139	150
Density at 20°C (g/ml)	ASTM D4052	0.8352	0.8160
Pour Point (°C)	ASTM D97	-51	-51
Flash Point (°C)	ASTM D92	248	238
Fire point (°C)	ASTM D92	276	243
Specific gravity (g/ml)	ASTM D4052	0.835	0.834

This product is available in other viscosities and in a variety of packages.

These values are not intended for use in preparing specifications.

Additional information is available upon request.

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®-4600 lubricants, CPI offers lubricants for any refrigeration application including HFC, HCFC and HFO 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 also offers 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.

CPI is ISO 9001 and ISO 14001 accredited and earned the 1993 Stratospheric Ozone Protection Award from the Environmental Protection Agency. Also registered for the manufacture of Halal, Kosher and Pareve products.