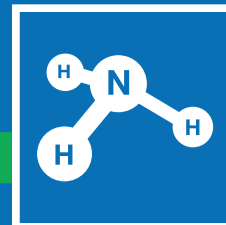


CPI®-4700 Series

Ammonia Compressor Lubricant



Description

The **CPI®-4700 Series** ammonia compressor lubricants are fully synthetic alkyl benzene fluids, giving improved lubrication at high and low temperatures. These products exhibit reduced volatility, good chemical inertness, hydrolytic stability, and compatibility with mineral oils and equipment designed for use with mineral oils.

CPI®-4700 Series are long life lubricants, formulated for ammonia refrigeration service.

The **CPI®-4700 Series** was specifically designed as an improvement over traditional mineral oils in refrigeration applications.



Applications and Compressor Type

- Ammonia rotary screw compressors
- Ammonia reciprocating compressors

Features and Benefits

Mineral oil compatible
Oxidatively stable
Low carry-over
Corrosion Protection
Low Pour Point

Easier change-over
Longer system life
Improved efficiency
Enhanced system reliability and reduced down-time
Reduced efficiency loss and easier removal of the oil

Typical Properties

| Test Procedure | ASTM Test Method | CPI®-4700-46 | CPI®-4700-68 | CPI®-4700-100 |
|---------------------------------|------------------|--------------|--------------|---------------|
| Kinematic Viscosity, cSt | | | | |
| 40°C | D445 | 36.6 | 56.0 | 95.2 |
| 100°C | D445 | 5.1 | 5.90 | 79.8 |
| Viscosity Index | D2270 | 40 | 1 | 11 |
| Density, g/mL | D4052 | | | |
| 20.0°C | | 0.864 | 0.864 | 0.87 |
| Flash and Fire Point, °C | D92 | | | |
| Flash Point | | 196 | 179 | 221 |
| Fire Point | | 257 | 193 | 237 |
| Pour Point, °C | D97 | -48 | -35 | -30 |

**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®-4700 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, and many NSF H1 & H2 Food Grade applications.

CPI is ISO 9001 and ISO 14007 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.

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