

Description

The **CPI®-9003** Series vacuum pump lubricants are formulated using highly hydrocracked and isodewaxed mineral oil combined with an additive package specifically designed for long life under the severe, demanding conditions normally encountered in recirculating systems such as vacuum pumps.

These vacuum pump lubricants feature excellent oxidative stability, rust and corrosion protection, and demulsibility which combined with excellent lubricity and low vapor pressure provide improved performance and lower equipment maintenance.

Applications and Compressor Type

- Rotary vane vacuum pumps
- Piston vacuum pumps
- Flooded rotary screw compressors
- Other applications requiring an oxidative and thermally resistant lubricant

Features and Benefits

Low volatility	Reduced maintenance and top-offs
Excellent lubricity	Increased efficiency, reduced cost of operation
Corrosion protection	Enhanced system reliability and reduced down time
Oxidatively stable	Longer system life

Typical Properties*

Test Procedure	ASTM Test Method	CPI®-9003-100
Kinematic Viscosity, cSt	D445	
40°C		103.3
100°C		11.6
Viscosity Index	D2270	100
Density, g/mL	D4052	
15.6°C		0.8718
20.0°C		0.8692
Flash and Fire Point, °C	D92	
Flash Point		254
Fire Point		256
Pour Point, °C	D97	-15
Demulsibility	D1401	
Water-Oil-Emulsion (Time, min.)		40-38-2 (10)
RPVOT, min	D2272	2702
Copper Strip Corrosion	D130	
100°C for 3 hours		1B
Rust Test	D665	
Part A – Distilled Water		Pass
Noack Volatility	D5800	
% Loss		2.10

*These values are not intended for use in preparing specifications