CPI®-1507 Series

Specialty Gas Compressor Lubricants

Description

The **CPI®-1507 Series** compressor lubricants are formulated using a premium polyalkylene glycol (PAG) base fluid combined with a high performance additive package. They are specifically formulated to give negligible dilution with hydrocarbon gases.

These compressor lubricants feature excellent oxidative and thermal stability enabling the use of these lubricants over a wide range of temperatures without varnish or deposit formation. The high viscosity index (VI) and negligible hydrocarbon dilution enables the **CPI®-1507 Series** lubricants to operate over wide ranges of temperature and gas composition with small changes in viscosity compared to other types of lubricants.

The **CPI®-1507 Series** fluids are especially advantageous in high temperature and heavy gas stream applications due to their excellent thermal and oxidative stability and negligible hydrocarbon dilution

Applications and Compressor Type

- Flooded rotary screw compressors
- Heavy hydrocarbon gas stream applications
- Centrifugal compressors
- Liquid ring vacuum pumps

Features and Benefits

Hydrocarbon insoluble	Negligible dilution due to hydrocarbons in operation
Excellent lubricity	Increased efficiency and reduced cost of operation
Oxidatively stable	Longer system life
High viscosity index	Small viscosity changes over wide temperature ranges

CPI Fluid Engineering

Lubrizol

Typical Properties*

Test Procedure	ASTM Test Method	CPI®-1507-32	CPI®-1507-46	CPI®-1507-68	CPI®-1507-100	CPI®-1507-150
Kinematic Viscosity, cSt	D445					
40°C		30.96	46.02	63.12	85.26	113.6
100°C		5.32	7.19	9.10	11.37	17.43
Viscosity Index	D2270	104	116	121	123	169
Density, g/mL	D4052					
15.6°C		1.136	1.141	1.147	1.152	1.141
20.0°C		1.114	1.138	1.143	1.148	1.137
Flash and Fire Point, °C	D92					
Flash Point		206	226	236	239	267
Fire Point		208	238	248	241	281
Pour Point, °C	D5950	-54	-48	-46	-44	-14
Foaming Tendency, mL	D892					
Sequence I		0/0	20/0	10/0	140/0	50/0
Sequence II		0/0	10/0	10/0	30/0	40/0
Sequence III		20/0	20/0	20/0	210/0	60/0
Rust Test	D665					
Part A - Distilled Water		Pass	Pass	Pass	Pass	Pass
Copper Strip Corrosion	D130	1B	1B	1A	1B	1A

**These values are not intended for use in preparing specifications*

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