

CHEMLUBE® 900 SERIES

POLYOL ESTER LONG-LIFE COMPRESSOR LUBRICANTS
PRODUCT CODES: CHEMLUBE 922, 932, 946, 968, 9100

PRODUCT OVERVIEW

The Chemlube® 900 series is formulated with synthetic polyol ester (POE) base fluids and high-performance additives to achieve extended life in air compressor applications operating in high ambient temperatures. These products feature excellent thermal and oxidative stability enabling successful operation at high temperatures without creating harmful byproducts of degradation. The Chemlube® 900 series offers a significant upgrade in performance over other synthetic fluids in the market such as PAO.

The Chemlube® 900 series is readily biodegradable (greater than 90% biodegradable as measured by the CEC L33), small amounts of this oil spilled or leaked onto the ground will not adversely affect the environment. Disposal of this fluid should be done in accordance with local, State, and Federal regulations.

Chemlube 922, 932, 946, and 968 are designed for rotary screw compressors with a long service life of 10,000 –12,000 hours under good operating conditions. Chemlube 9100 is designed for reciprocating compressors.

APPLICATION DETAIL

- Rotary Screw Compressors
- Reciprocating Compressors
- Rotary Vane Compressors
- Vacuum Pumps
- Centrifugal Compressors

KEY BENEFITS

- Same base fluid as used in jet aviation (Polyol ester)
- Superior to petroleum, PAO, or synthetic diesters
- Outstanding thermal stability
- Built in detergency action
- Extended drain intervals reduce oil disposal, thus increasing cost effectiveness.
- Generally recognized as being biodegradable and virtually non-toxic
- Extremely low volatility, reduced maintenance, reduced top-up
- Excellent lubricity, increased efficiency, reduced cost of operation
- Better gas-lubricant separation (improved coalescing)

QUICK POINTS...

Name: *900 Series*
ISO Grade: *22-100*
Base: *PAO*
Additive System: *AW / R&O / CI*
Color: *Pale Straw*
Food Grade: *No*
Main Application: *Compressors*

TYPICAL CHARACTERISTICS**

PRODUCT DATA	ASTM METHOD	Chemlube 922	Chemlube 932	Chemlube 946	Chemlube 968	Chemlube 9100
ISO Grade		22	32	46	68	100+
Viscosity, 40 °C	D445	20.0	34.4	48.5	64.9	134.0
Viscosity, 100 °C	D445	4.40	6.00	7.70	9.00	13.00
Viscosity Index	D2270	131	119	125	114	130
Flash Point, °C/°F	D92	241/465	252/485	271/520	266/511	299/570
Pour Point, °C/°F	D97	-60/-76	-57/-70	-51/-60	-43/-45	-34/-29
Copper Corrosion	D130	1b	1b	1b	1b	1b
Foaming Sequence I, II, III	D892	Nil	Nil	Nil	Nil	Nil
Demulsibility, min.	D1401	Excellent	Excellent	Excellent	Excellent	Excellent
Evaporation, %	D972	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Residue, %	D189	<0.01	<0.01	<0.01	<0.01	<0.01
Specific Gravity	D4052	1.05	1.01	0.97	0.96	1.01

**Characteristics are typical of production. Slight variations in the actual data may occur which will not affect performance.

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SPECIFICATIONS

- ISO 6743-3 DAA & DAB for reciprocating Air compressor & DAG for rotary compressors
- DIN 51506- VDL

COMPATIBILITY NOTES

- Compatible with most mineral oils and synthetics
- Compatible with most process gases
- Good compatibility with common seal materials, plastics, and paints

SHELF LIFE

- Standard shelf life of (5) years from DOM applies to this product
- Shelf life may be extended and/or recertified upon individual case – please contact your Ultrachem, Inc. representative

HEALTH & REGULATORY STATEMENTS

- Classified as non-hazardous per OSHA GHS
- TSE/BSE compliant: product does not contain any materials of animal origin or derivatives
- FALCPA compliant: product does not contain any allergens
- RoHS compliant: product does not contain any EU RoHS substances
- REACH compliant: product does not contain any SVHC substances
- Guidelines on safety and storage may be found on the associated Safety Data Sheet (SDS@ultracheminc.com)

PACKAGING & SHIPPING AVAILABILITY

- 5 gallon pail (18.9 L) 1-3 business days
- 55 gallon drum (208.2 L) 1-3 business days
- 330 gallon tote (1249.2 L) 1-3 business days

Please contact your Ultrachem, Inc. representative for detailed information not covered in this data sheet.



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We therefore recommend you consult a FUCHS Lubricants Co. Application Engineer to discuss application conditions and the performance criteria of the products before the product is used. It is the responsibility of the user to test the functional suitability of the product and to use it with the corresponding care.

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