

## CHEMLUBE® 215, 229, 230, 501, 751, and 822 DIESTER-BASED COMPRESSOR LUBRICANTS

### Applications:

The Chemlube diester-based series are fully synthetic compressor oils specially formulated with premium synthetic ester base fluids for use in a wide variety of air compressors.

Chemlube 215, 229, and 230 are designed from diester base oils for rotary screw compressors and will offer a typical service life of 8,000 hours under good operating conditions. Chemlube 501 and 751 are designed from diester base oils for reciprocating compressors and are recommended for high pressure air compressors.

Chemlube 822 is a heavier weight formulated with premium triester base oils for use where an ISO 220 is required.

Chemlube 501 and 751 are recommended for reciprocating compressors and vacuum pumps using the following gases:

Air	Ethylene	Methane	Propane
Butadiene	Natural Gas	Synthesis Gas	Carbon Monoxide
Carbon Dioxide (dry)	Helium	Hydrogen Sulfide (dry)	Nitrogen
Furnace (crack) Gas	Hydrogen	Sulphur Hexafluoride	

Nominal Operating Range is -15°C to 230°C (5°F to 445°F)

### Typical Industrial Applications:

- Rotary Screw Compressors
- Rotary Vane Compressors
- Centrifugal Compressors
- Reciprocating Compressors
- High Pressure Air Compressors
- Vacuum Pumps
- Gear Boxes
- Chains

### Performance Benefits:

- Outstanding thermal and oxidative stability
- Will not varnish or form carbon deposits
- Wide operating temperature range
- Built in detergency action
- Extended drain intervals reduces oil disposal, thus increasing cost effectiveness
- Caution: May affect some paint finishes, plastics and seals
- USDA H-2 authorized

Chemlube 215 carries the NSN #9150-01-068-0676 (quarts). Chemlube 501 carries the NSN #9150-01-052-7562 (gallons); NSN #9150-01-025-8649 (pails); NSN #9150-01-240-4950 (drums).

03/10

#### HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

#### TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at [info@ultracheminc.com](mailto:info@ultracheminc.com)

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TYPICAL PROPERTIES	TEST METHOD	Chemlube 215	Chemlube 229	Chemlube 230	Chemlube 501	Chemlube 751	Chemlube 822
ISO Grade	ASTM D2422	32	46	68	100	150	220
SAE Grade	SAE J-300	10	10W20	20	30	40	50
Viscosity @ 40°C,cSt	ASTM D445	36.3	45.4	70	99	146.5	222
Viscosity @ 100°C,cSt	ASTM D445	5.9	6.5	7	10.2	13.3	18.6
Viscosity Index	ASTM D2270	106	89	60	83	90	92
Flash Point, °C/°F	ASTM D92	252/486	252/485	252/485	260/500	271/520	>260/>500
Pour Point, °C/°F	ASTM D97	-48/-54	-40/-40	-38/-35	-29/-30	-34/-30	-34/-30
Copper Corrosion	ASTM D130	1a	1b	1a	1b	1a	---
Foaming Sequences I, II, III	ASTM D892	Nil	Nil	Nil	Nil	Nil	---
Demulsibility	ASTM D1401	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Evaporation, %	ASTM D972	1.0	1.0	1.0	0.98	0.90	<1%
Carbon Residue, %	ASTM D189	<0.02	<0.02	<0.02	<0.02	<0.020	<0.020
Dielectric Strength	ASTM D877	---	---	34.33	---	---	---
Four Ball Wear, 40 Kg., 1200rpm, 75°C, 1 hr., Scar Diameter, mm	ASTM D4172	---	---	---	0.38	---	---
Specific Gravity	ASTM D1298	0.96	0.96	0.96	0.95	0.94	0.92

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