

CHEMLUBE® 501 and 501T DIESTER-BASED COMPRESSOR LUBRICANTS

Applications:

Chemlube 501 and 501T are fully synthetic compressor oils specially formulated with premium synthetic ester base fluids for use in a wide variety of air compressors.

Chemlube 501T has been specially developed for high ambient conditions found in tropical climate areas and may be used as a replacement for Mobil Rarus 827™ in gas compression.

Chemlube 501 and 501T are recommended for high pressure air compressors, 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:

- 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

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

TYPICAL PROPERTIES	TEST METHOD	Chemlube 501	Chemlube 501T
Viscosity @ 40°C,cSt	ASTM D445	99	134.0
Viscosity @ 100°C,cSt	ASTM D445	10.2	12.7
Viscosity Index	ASTM D2270	83	85
Flash Point, °C/°F	ASTM D92	260/500	265/509
Pour Point, °C/°F	ASTM D97	-29/-30	-31/-24
Specific Gravity	ASTM D1298	0.95	0.93

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

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