

CHEMLUBE® 800

TRI-ESTER BASED COMPRESSOR LUBRICANT

Applications:

Chemlube 800 is a high viscosity synthetic oil formulated from a highly stable tri-ester base fluid. Chemlube 800 is designed for use in reciprocating compressors under adverse conditions of high temperature and high pressure. Chemlube 800 is 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:

- 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
- Excellent heat transfer characteristics
- Low volatility and low toxicity
- Caution: May affect some paint finishes, plastics, and seals.

Chemlube 800 carries the NSN #9150-01-490-5505 and is approved by **Bauer®** for high-pressure applications.

| TYPICAL PROPERTIES | TEST METHOD | Chemlube 800 |
|------------------------------------|-------------|--------------|
| ISO Grade | ASTM D2422 | 150 |
| SAE Grade | SAE J-300 | 40 |
| Viscosity @ 40°C,cSt | ASTM D445 | 141.5 |
| Viscosity @ 100°C,cSt | ASTM D445 | 12.8 |
| Viscosity Index | ASTM D2270 | 79 |
| Flash Point, °C/°F | ASTM D92 | 279/535 |
| Pour Point, °C/°F | ASTM D97 | -29/-20 |
| Auto Ignition Temp., °C/°F | ASTM D1255 | 391/735 |
| Evaporation, % | ASTM D972 | <1.0 |
| Water Solubility, <0.01 g/l @ 20°C | | Insoluble |
| Lbs./Gallon | | 8.10 |
| Specific Gravity | | 0.97 |

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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