

LUBRAL THERM 01

HEAT TRANSFER OIL

DESCRIPTION

Hydrotreated paraffinic base mineral oil that has high thermal stability formulated for use in heat transfer systems where the required temperatures limit the use of hot water or steam due to the high pressures achieved with these. Its specific heat and thermal conductivity are excellent, resulting in faster heating.

BENEFITS

- Low vapor pressure.
- High thermal stability.
- Good resistance to oxidation.
- Excellent thermal conductivity.
- Low viscosity.

APPLICATIONS

Its main application is in closed heat transfer systems with maximum operating temperatures of 300°C (572°F) and minimum temperatures for start-up not less than -7°C (20°F). In open systems the operating temperature is -7 ° C to 150 ° C. Mixing with other conventional oils is not recommended, as it would lose some of its properties. Like all petroleum products, LUBRAL THERM is combustible and will burn if exposed directly to an ignition source.

CHARACTERISTICS

| TESTS | TEST METHOD | TYPICAL VALUE |
|---------------------------------|-------------|---------------|
| Color | ASTM D1500 | 1.5 |
| Appearance | Visual | Brilliant |
| Density @20°C, g/ml | ASTM D1298 | 0.87 |
| Kinematic Viscosity @40°C, cSt | ASTM D445 | 46 |
| Kinematic Viscosity @100°C, cSt | ASTM D445 | 6.8 |
| Viscosity Index | ASTM D2270 | 102 |
| Flash Point COC, °C | ASTM D92 | 218 |
| Pour Point, °C | ASTM D97 | -12 |
| Resistance To Rust Formation | ASTM D665 | Pass |
| Foaming ml/min, máx. | ASTM D892 | D892 |
| Sequence I | | 20/0 |
| Sequence II | | 50/0 |
| Sequence III | | 20/0 |
| Acid Number mgKOH / gr | ASTM D974 | 0.2 |

Typical Properties are those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are expected during normal manufacturing and at different mixing locations.

The information in this document is subject to change without notice. Product availability may vary depending on the location. For more information, you can contact us at venta@lubral.com