

LUBRAL THERM 03

HEAT TRANSFER OIL

DESCRIPTION

Paraffin-based mineral oil that has high thermal stability formulated for use in closed heat transfer systems where the required temperatures limit the use of hot water or steam due to the high pressures achieved with them.

Its specific heat and thermal conductivity are excellent with which a faster heating is obtained, shortening the operating times.

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).

According to its characteristics, its use is not recommended in open systems in which the oil at high temperatures is directly exposed to the air. It is also not recommended to mix with other conventional oils, as it would lose some of its properties.

Like all petroleum products, Lubral Therm 03 is combustible and will burn if exposed directly to an ignition source.

CHARACTERISTICS

TESTS	TEST METHOD	TYPICAL VALUE
ISO Grade		32
Color	ASTM D1500	2.5
Appearance	Visual	Brilliant
Density @20°C, g/ml	ASTM D1298	0.8892
Kinematic Viscosity @40°C, cSt	ASTM D445	32
Kinematic Viscosity @100°C, cSt	ASTM D445	5
Viscosity Index	ASTM D2270	95
Flash Point COC, °C	ASTM D92	215
Pour Point °C	ASTM D97	-18
Resistance To Rust Formation	ASTM D665	Pasa
Foaming ml/min, máx.	ASTM D892	
Sequence I		50/0
Sequence II		25/0
Sequence III		50/0
Acid Number mg KOH / 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