RIDA LUBRICANTS L.L.C

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Technical Data Sheet (TDS)

Product Name:

RIDA Heat Transfer Oil HT Series

Key Features

- ✓ **Anti-wear Protection**
- ✓ **Oxidation Resistance**
- ✓ **Anti-foam Performance**
- ✓ **Resists Water Contamination**

Rida Heat Transfer Oil HT Series is a high-performance product designed for use in closed indirect heating installations. It is formulated from highly refined base stocks that resist thermal cracking and chemical oxidation, providing excellent heat transfer efficiency. The oils can be pumped readily at both start-up and operating temperatures.

Designed to Perform

Oxidation Resistance – Extends Oil Life

- Protects metal parts by slowing down the oxidation rate, acid formation, and minimizes the production of fine metal particles
- Extends oil life, especially under high thermal stresses, reducing maintenance costs

Anti-wear, Anti-corrosion & Anti-rust Protection

- Proven additive packages provide anti-wear, anti-corrosion, and anti-rust protection, extending equipment life and minimizing maintenance

Antifoam – Enhanced Performance

- Easily releases entrained air, preventing overheating and protecting the oil surface from excessive oxygen exposure

Demulsibility – Prevents Water Emulsion Formation

- Prevents water from forming emulsions with oil and readily separates from water
- Helps reduce blockage in coalescers, coolers, and prevents emulsion formation

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Performance Characteristics

Rida Heat Transfer Oil HT is formulated with premium base oil technology, ideal for use in secondary or indirect heating systems. It is non-corrosive, low odor, and highly compatible with seals. These oils absorb heat quickly and transport it efficiently to the required fluid or material.

- **Max Temperature (Film):** 320ºC
- **Max Temperature (Bulk):** 300ºC

Rida Heat Transfer Oil HT Series demonstrates exceptional thermal stability and is capable of an extended service life without deposit formation or viscosity increase. It provides rapid heat dissipation with high specific heats and thermal conductivities.

Typical Physical Characteristics

Property	Units	Test Method	22	32	46	68	100
Kinematic Viscosity @ 40°C	cSt	ASTM D445	22	32	46	68	100
Viscosity Index	-	ASTM D2270	≥ 110	≥ 110	≥ 110	≥ 110	≥ 110
Density @ 15°C	kg/l	ASTM 4052	0.87	0.87	0.878	0.88	0.885
Flash Point (COC)	°C	ASTM D92	≥ 230	≥ 230	≥ 240	≥ 240	≥ 240
Pour Point	°C	ASTM D97	-28	-28	-26	-24	-24

These characteristics are typical for the current product. Future production may conform to Rida Lubricants specifications, with possible variations.

Health & Safety & Environmental Protection

Health & Safety

- This product is unlikely to present any significant health or safety hazards when used properly with good hygiene standards
- Avoid contact with eyes and skin; use impervious gloves when handling used oil
- Wash thoroughly with soap and water after skin contact
- For detailed health and safety information, refer to the Material Safety Data Sheet (MSDS) available at www.ridalubs.ae

Protect the Environment

- ♻ **Dispose of used oil responsibly** at an authorized collection point
- ❌ **Do not discharge oil** into drains, soil, or water

Additional Information

For technical advice or application queries, please contact your Prado Lubricants Representative.