

UNT ICL HEAT TRANSFER OIL

Description

UNT ICL Heat Transfer Oil is a product blended from highly refined hydrotreated base oils and enhanced with oxidation inhibitors to enhance high temperature performance and stability. This product is designed to give outstanding service in a wide range of applications with minimal deposit formation that typically inhibits efficient heat transfer, thus allowing for a longer oil lifespan.

UNT ICL Heat Transfer Oil may be used in both open and inert gas-blanketed close heat transfer systems. The maximum temperature for use in an open system (where the oil is exposed to air) shall not exceed 150°C. In closed, inert gas blanketed systems, it will be able to withstand temperatures up to 320°C.

Properties

- ┆ Long fluid life
- ┆ Resists high temperature degradation
- ┆ Blended with naturally high VI base oils
- ┆ Minimizes deposit formation

Technical Characteristics

| Test Description | Method | Unit | ISO 22 | ISO 32 | ISO 46 | ISO 68 |
|-----------------------------|-------------|------|--------|--------|--------|--------|
| ISO Viscosity Grade | - | - | | | | |
| Density @ 15 °C | ASTM D 4052 | kg/L | 0.850 | 0.855 | 0.863 | 0.867 |
| Flash Point | ASTM D 92 | °C | 192 | 216 | 220 | 230 |
| Pour Point | ASTM D 97 | °C | -18 | -18 | -15 | -15 |
| Kinematic Viscosity @ 40°C | ASTM D 445 | cSt | 20.6 | 31.6 | 45.7 | 66.0 |
| Kinematic Viscosity @ 100°C | ASTM D 445 | cSt | 4.2 | 5.6 | 6.9 | 8.9 |
| Viscosity Index | ASTM D 2270 | - | 111 | 114 | 108 | 109 |

“Your Reliable Lubrication Choice”



Technical Characteristics

| Test Description | Method | Unit | ISO 100 | ISO 150 |
|-----------------------------|-------------|------|---------|---------|
| ISO Viscosity Grade | - | - | | |
| Density @ 15 °C | ASTM D 4052 | kg/L | 0.876 | 0.884 |
| Flash Point | ASTM D 92 | °C | 244 | 248 |
| Pour Point | ASTM D 97 | °C | -15 | -12 |
| Kinematic Viscosity @ 40°C | ASTM D 445 | cSt | 96.1 | 154.6 |
| Kinematic Viscosity @ 100°C | ASTM D 445 | cSt | 11.0 | 15.3 |
| Viscosity Index | ASTM D 2270 | - | 98 | 99 |

Specifications

- † CLASSIFIED AS ISO 6743-12 FAMILY Q
- † MEETS TYPICALLY DIN 51522 REQUIREMENTS

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