NEXUS LUBRICANT

Product Data Sheet

NEXUS THERMANO
HEAT TRANSFER OIL

Description

Nexus Thermano is a high-performance heat transfer oil formulated with premium base oil technology and carefully selected additives to withstand elevated operating temperatures. It is designed to deliver efficient heat transfer while maintaining excellent stability over extended service periods.

Nexus Thermano is non-corrosive, features a low odor level, and offers excellent compatibility with seals and system components. Its superior heat absorption and transfer capability ensure consistent thermal performance in a wide range of industrial applications.

Outstanding thermal and oxidation stability help minimize degradation, reduce deposit formation, and maintain clean heat exchanger systems, ultimately extending oil and equipment service life. Suitable for bulk temp up to 320^0C and film temp 330^oC

Applications

Nexus Thermano is recommended for use in:

- Closed heat transfer systems (liquid phase)
- Industrial heating processes (textile, chemical, rubber, and food processing)
- Oil heating systems for tanks and reactors
- Asphalt and bitumen heating systems
- Plastic and polymer processing equipment
- Indirect heating systems requiring stable and uniform temperature control

Benefits

- **High Thermal Stability**
  Resists thermal cracking at elevated temperatures, ensuring consistent performance
- **Excellent Oxidation Resistance**
  Minimizes sludge and deposit formation, keeping systems clean
- **Long Service Life**
  Extended oil drain intervals, reducing maintenance and operating costs

- **Efficient Heat Transfer**
  Rapid heat absorption and transfer improve system efficiency
- **Low Volatility**
  Reduces oil consumption and evaporation losses
- **Non-Corrosive**
  Protects system components and prolongs equipment life
- **Good Seal Compatibility**
  Compatible with common sealing materials, reducing risk of leakage
- **Low Odor**
  Improves working environment, especially in indoor applications

	THERMANO22	THERMANO46
ISO Viscosity Grade, ASTM D 2442	22	46
Kinematic Viscosity @ 40°C/104°F, ASTM D 445	22	46
Kinematic Viscosity @ 100°C/212°F, ASTM D 445	3.904	6.85
Viscosity Index, ASTM D 2270	>100	>100
Flash Point, ASTM D 92, COC, °C/°F	>230/446	>230/446
Fire Point, ASTM D 92, COC, °C/°F	>300/572	>300/572
Auto Ignition Temperature, oC/oF	>380/716	>380/716
Pour Point, ASTM D 97, °C/°F	-12/10.4	-12/10.4
Ramsbottom Carbon Residue, wt %	<0.1	<0.1
Total Acid Number, ASTM D664-18e2	<0.1	<0.1
Conradson Carbon Residue, ASTM D189-06(2019), %	<0.1	<0.1
Water Content, ASTM D6304-20, ppm	<100	<100

*Subject to usual manufacturing tolerances

Nexus Thermano

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