HEAT TRANSFER OIL GX

ISO 46

REXOIL HEAT TRANSFER OIL GX ISO 46 is a premium-quality heat transfer fluid formulated with **highly refined base oils** and a carefully balanced additive system to provide efficient, reliable and long-lasting heat transfer performance under demanding operating conditions. Its high level of base oil purity, excellent thermal and oxidative stability, low volatility and strong resistance to sludge and deposit formation help maintain system cleanliness, minimize fluid degradation and extend service life.

REXOIL HEAT TRANSFER OIL GX ISO 46 is recommended for **closed and open indirect heat transfer systems** used in industrial heaters, heat exchangers, jacketed vessels, reactors, dryers, ovens and process heating equipment. It is suitable for a wide range of applications in the **textile, chemical, plastics, rubber, food, pharmaceutical, wood, paper and packaging industries** where a premium ISO VG 46 heat transfer fluid is required.

Features and Benefits

- **Premium Base Oil Technology:** Highly refined base oils provide excellent purity, thermal stability and oxidation resistance for reliable long-term operation.
- **Excellent Thermal & Oxidative Stability:** Strong resistance to thermal degradation and oxidation helps maintain fluid performance and reduce oil deterioration at elevated temperatures.
- **Excellent Deposit Control:** Helps minimize sludge, varnish and carbonaceous deposits, supporting cleaner heat transfer surfaces and efficient system operation.
- **Low Volatility:** Reduced evaporation and fluid loss at elevated temperatures contribute to longer fluid service life and more stable system operation.
- **Efficient Heat Transfer:** Provides effective and uniform heat transfer, helping maintain stable process temperatures and efficient thermal performance.
- **Extended Service Life:** Superior resistance to oxidation and thermal degradation helps reduce fluid replacement frequency and maintenance requirements.

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (40°C), [cSt]	ASTM D445	41,4 – 50,6
Viscosity Index	ASTM D2270	Min. 100
Flash Point, °C	ASTM D92	Min.230
Pour Point, °C	ASTM D97	Max. -33
Copper Strip Corrosion (3h, 100°C)	ASTM D130	Max.1b
Maximum Bulk Temperature – Closed System, °C		320*
Maximum Film Temperature, °C		340*
Maximum Bulk Temperature – Open System, °C		180*

** Maximum operating temperatures depend on system design, circulation rate, heat flux, oil condition and system configuration. The stated values are applicable to properly designed and efficiently circulated systems. For open systems, the maximum operating temperature should be reduced due to increased exposure to atmospheric oxygen.*

Health and Safety

This product does not pose a significant health or safety risk when used appropriately. For detailed safety information, please refer to the Safety Data Sheet (SDS).

Storage & Handling

Store in a cool, dry, and well-ventilated area, away from direct sunlight and moisture. Keep containers tightly closed to prevent contamination. Dispose of contents and containers in accordance with local regulations.

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