SPINTA TRANSFER 32 / 100

Product Code: SP-IN-TRAN-32 / SP-IN-TRAN-100

Diathermic Heat Transfer Oil

PRODUCT DESCRIPTION

SPINTA TRANSFER is a high-quality diathermic heat-transfer oil formulated with highly refined paraffinic mineral base oils. It provides good heat-transfer performance, thermal stability and fluidity in industrial closed-circuit thermal-oil systems, with a source-reported heat capacity of approximately 2.9 kJ/kg·°C at 260°C.

APPLICATIONS & BENEFITS

Heat Transfer Performance Supports efficient heat exchange in closed-circuit systems with forced circulation.
Thermal Stability Resistance to cracking, oxidation and thickening helps preserve circulation and lubricant life.
Clean System Operation Good solvency helps limit oxidation deposits and maintain cleaner heat-exchanger surfaces.

KEY PERFORMANCE BENEFITS

Operating Efficiency Available viscosity grades support fluidity requirements in different thermal-oil circuits.
Maintenance Support Stable base-oil performance helps reduce degradation when operating temperatures are correctly controlled.
Application Guidance Gradual heating/cooling and periodic fluid analysis support reliable service life.

SPECIFICATIONS & PERFORMANCE LEVELS

Meets or exceeds the following specifications and performance levels; application statements as indicated:

- ISO 6743-12 Group Q
- DIN 51522
- Heat capacity at 260°C (ASTM D2766): approx. 2.9 kJ/kg·°C

Recommendation: Follow the heat-transfer-system manufacturer's limits for bulk and film temperature, circulation and startup/shutdown procedures. Periodic oil analysis is recommended in service.

TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Property	Test Method	32	100
ISO Grade	-	32	100
Density @ 15°C, kg/dm³	ASTM D 4052	0.855	0.870
Kinematic Viscosity @ 40°C, cSt	ASTM D 445	32.0	100.0
Kinematic Viscosity @ 100°C, cSt	ASTM D 445	5.5	11.5
Viscosity Index	ASTM D 2270	110	100
Pour Point, °C	ASTM D 97	-27	-24
Flash Point, °C	ASTM D 92	225	230

Note: The values shown above are typical for normal production and may vary within normal manufacturing tolerances. They do not constitute a product specification or contractual limit.

STORAGE, HEALTH & ENVIRONMENT

STORAGE

Store under cover whenever possible. If outdoor storage cannot be avoided, containers should be protected from rain and water infiltration. Avoid temperatures above 60°C, direct sunlight and freezing conditions.

HEALTH & SAFETY

When properly used and handled in accordance with standard personal hygiene practices, the product is not expected to present adverse health effects under normal conditions of use. Refer to the corresponding SPINTA Safety Data Sheet (SDS) for detailed precautions and first-aid information.

ENVIRONMENT

Do not discharge new or used product into drains, sewage systems, soil or watercourses. Used product must be collected and delivered to an authorized collection or disposal facility in accordance with applicable regulations.

ADDITIONAL INFORMATION

Safety Data Sheet (SDS): The corresponding SPINTA Safety Data Sheet is available separately and should be consulted before handling or using the product.
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