

Product Data Sheet

Tomoil™ Heat Transfer Oil 46

Heat transfer oil

Product description

Tomoil™ Heat Transfer Oil 46 represents a remarkable fluid designed for heat transfer in enclosed indirect heating systems. Formulated from extensively refined base materials, it promises remarkable longevity against thermal cracking and exceptional resilience to oxidation.

Application

Tomoil™ Heat Transfer Oil 46 is recommended for thermo-oil boilers, air heaters, thermostats, steam generators, waste heat exchangers, and other industrial or household heat-transfer units. The maximum temperature under forced circulation is 330 °C.

Features & Benefits

- Ensures reliable operation at high temperatures with exceptional thermal stability.
- Prolongs service life through robust oxidation resistance.
- Sustains heat transfer conductivity, optimizing system efficiency.
- Exhibits remarkable endurance at elevated temperatures, leaving no residue.
- Facilitates smooth operation at low temperatures.
- Delivers outstanding corrosion protection for systems.

Typical Properties

Property	Unit	Test method	Typical value
ISO viscosity grade	-	-	46
Density at 15°C	g/cm3	ASTM D 4052	0.879
Kinematic Viscosity at 40°C	mm2/s	ASTM D 445	46.00
Kinematic Viscosity at 100°C	mm2/s	ASTM D445	6.650
Viscosity Index	-	ASTM D 2270	94
Initial Boiling Point	°C	ISO 3405	>330
Flash Point (COC)	°C	ASTM D 92	226
Pour Point	°C	ASTM D 7346	-18

Typical property characteristics are based on current production. Whilst future production will conform to TomoilTM specifications, variations in these characteristics may occur.

Performance claims

- DIN 51522
- ISO 6743-12 Family Q
- ISO L-QB/QC

Health, Safety & Environment

• Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: www.tomoil.de

• Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

Available pack sizes

- | | |
|-------------------------|--------------------------|
| • 20 L Canister plastic | • 200 L Drum sheet metal |
| • 30 L Canister plastic | • 1000 L Container |

Storage

- We recommend to store all packages under cover.
- Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

Notes

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