Sinova Marine Heat Oil 46

Heat Transfer Oil

Product description:

Sinova Marine Heat Oil 46 is a top-quality heat transfer fluid designed for closed indirect heating systems. Crafted from highly refined base stocks, it offers exceptional oxidation stability and remarkable resistance against thermal cracking.

Application:

Sinova Marine Heat 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℃	g/cm3	ASTM D 4052	0.879
Kinematic Viscosity at 40℃	mm2/s	ASTM D 445	46.00
Kinematic Viscosity at 100℃	mm2/s	ASTM D 445	6.650
Viscosity Index	-	ASTM D 2270	94
Initial Boiling Point	°C	ISO 3405	>330
Flash Point, COC	℃	ASTM D 92	226
Pour Point	℃	ASTM D 7346	-18

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

Performance claims

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

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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.sinovagroup.ch**

Protect the Environment

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

Available pack sizes:

- 1 L Canister plastic
- 4 L Canister plastic
- 5 L Canister plastic
- 7 L Canister plastic
- 20 L Canister plastic
- 30 L Canister plastic
- 200 L Drum sheet metal
- 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

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by ALCO LLC for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our sales specialists if you require any further information.

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