



Gulf Therm

Premium quality heat transfer oil

Product Description

Gulf Therm series are premium quality heat transfer oil intended for use in closed indirect heating systems. It is formulated from highly refined base stocks to provide excellent oxidation stability and resistance against thermal cracking. It possesses high specific heat and thermal conductivity to provide more rapid heat dissipation and its ability to flow rapidly at low temperatures ensures quick circulation at start-up and reduced risk of local over-heating. Although Gulf Therm series are thermally very stable and are capable of offering extended service life without viscosity increase or deposit formation, it should be realised that the working life depends to a considerable extent on the effectiveness of the measures taken to exclude air. Gulf Therm is primarily intended for use in enclosed and sealed heating systems where the maximum bulk oil temperature does not exceed 315 °C.

Features & Benefits

- Excellent thermal and oxidation stability minimises deposit formation and viscosity increase leading to extended service life and reduced downtime
- Exceptional resistance to thermal cracking and decomposition enables this oil to perform well up to a maximum bulk oil temperature of 315 °C with minimal interference with heat transfer capability
- High specific heat and thermal conductivity of this oil provides more rapid heat dissipation
- Superior low temperature fluidity ensures quick circulation at start-up and reduced risk of local over-heating
- Non corrosive to aluminum, steel, copper, brass or bronze
- Non-toxicity of this oil provides easy disposal of used oil

Applications

- Closed, indirect heating and cooling systems equipped with expansion tanks in all kinds of industrial processes operating at bulk oil temperatures up to 315 °C
- Open heating systems provided that the bulk oil temperature does not exceed 180 °C

Specifications, Approvals & Typical Properties

Gulf Therm		32	46
Typical Properties			
Test Parameters	ASTM Method	Test Values	
Viscosity @ 40 °C, cSt	D 445	31.0	46.3
Viscosity Index	D 2270	102	104
Flash Point, °C	D 92	230	220
Fire Point, °C	D 92	255	255
Pour Point, °C	D 97	-12	-21
Copper Corrosion	D 130	1b	1b
Density @ 15°C, Kg/l	D 1298	0.868	0.875

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

Gulf Oil International

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