

Raysun Icarus

Premium quality heat transfer oil

Raysun Icarus is a premium quality heat transfer oil intended for use in closed indirect heating systems. It is formulated with 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 overheating. Although this oil is thermally very stable and is capable of offering extended service life without viscosity increase or deposit formation, it should be realized that the working life depends to a considerable extent on the effectiveness of the measures taken to exclude air. Raysun Icarus is primarily intended for use in enclosed and sealed heating systems where the maximum bulk oil temperature does not exceed 315°C.

Advantages

- Excellent thermal and oxidation stability minimizes 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 overheating
- 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 190°C

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ISO Viscosity Grades	ASTM Method	Specification
32		
0.857	D 1298	Density @ 15°C, kg/l
32	D 445	Viscosity @40 °C, cSt.
100	D 2270	Viscosity Index
230	D 92	Flash Point, °C
-24	D 97	Pour Point, °C

Note: "All of the results are typical and the results of each batch are presented in the COA sheet."