



SYNTHETIC HEAT TRANSFER OIL

25

Product Description:

SYNTHETIC HEAT TRANSFER OIL 25 is a high quality synthetic heat transfer oil intended for use in closed indirect heating systems with expansion tanks temperatures up to 350°C.

SYNTHETIC HEAT TRANSFER OIL 25 is based on high quality synthetic base oil to ensure the following properties:

- Excellent thermal and oxidation stability.
- Minimizes deposit formation and viscosity increase.
- 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 350°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 aluminium, steel, copper, brass or bronze.
- Non-toxicity of this oil provides easy disposal of used oil.



Property	Unit	Typical Value
Density at 15°C	kg/m ³	833.1
Kinematic Viscosity at 40°C	mm ² /s	24.2
Kinematic Viscosity at 100°C	mm ² /s	5.0
Viscosity index		133
Pour Point	°C	-27
Flash Point COC	°C	220
Total Acid Number	mg KOH/g	0,1
Spec. Heat at 300°C	KJ/kg*K	3,051
Spec. Heat at 200°C	KJ/kg*K	2,757
Spec. Heat at 100°C	KJ/kg*K	2,343
Thermal conductivity at 150°C	W/m*K	0,1099

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