



**Product Data Sheet**

**THERM OIL 32**

**Product Description:**

THERM OIL 32 is a premium quality heat transfer oil intended for use in closed indirect heating systems with expansion tanks temperatures up to 320°C.

THERM OIL 32 is based on high quality mineral 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 320°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	Test Method	Typical Value
ISO VG Grade		ISO 3448	32
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	868
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	5.3
Viscosity Index		ASTM D2270	101
Flash Point COC	°C	ASTM D92	230
Fire Point	°C	ISO 2592	250
Pour Point	°C	ASTM D97	-15
Initial Boiling Point	°C	ISO 3771	>355
Auto Ignition Temperature	°C	DIN 51794	>360
Total Acid Number	mgKOH/g	ASTM D974	< 0.05

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