

# MAK THERMIC FLUID A

## Description

MAK THERMIC FLUID A is a new generation heat transfer fluid with superior quality high viscosity index mineral base oils blended with anti-oxidants & other additives enhances fluid's longevity & ensures excellent thermal stability, providing a budget solution.

## Application

It is ideal for a wide range of closed-to-atmosphere (inertly sealed) applications up to 250 ° C. Extensively used in textile manufacturing, chemical and processing plants etc, where the oil is circulated in a pumped system operating under atmospheric pressure.

## Benefits

- Superior dual-stage anti-oxidant system helps in preventing deposit formation, providing clean heat exchanger internal surfaces.
- High resistance to thermal decomposition.
- Its low volatility also minimizes vapor pressure at elevated temperatures.
- Non corrosive & non toxic
- Excellent thermal conductivity & high heat transfer coefficient.
- Longer life for parts such as rotary seals and pumps.

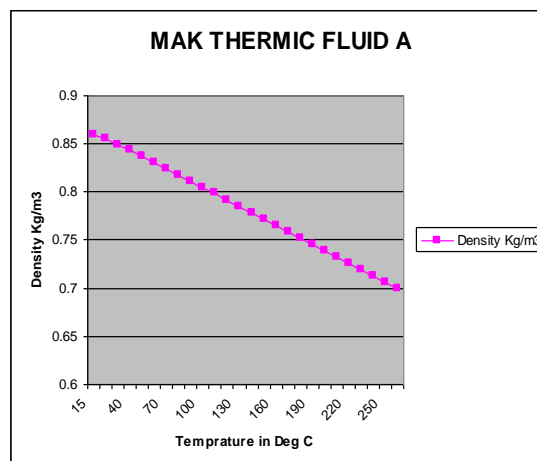
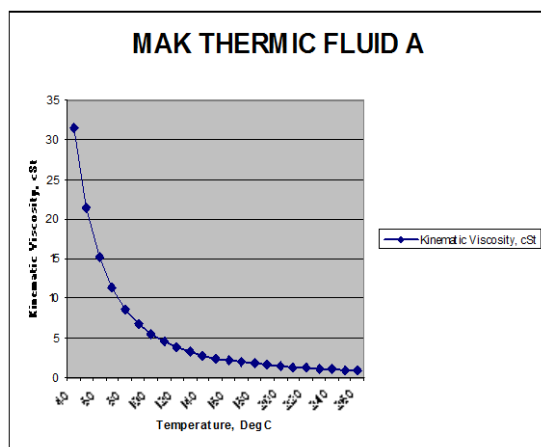
## PERFORMANCE LEVEL

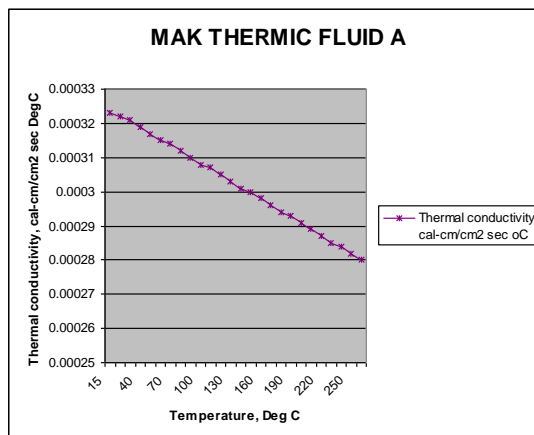
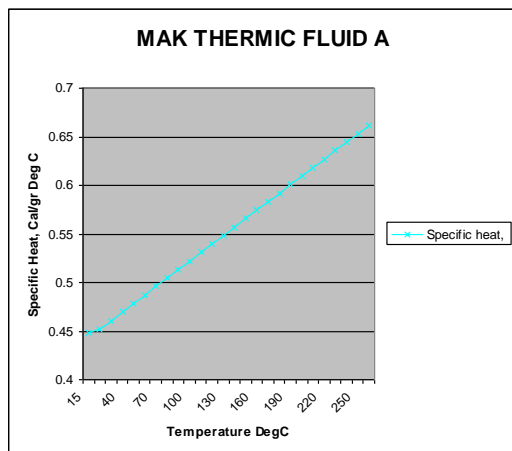
- Proprietary grade

## Technical Specifications

Characteristics	ASTM	MAK THERMIC FLUID A
Appearance	Visual	Light yellow
Density@ 15°C, Kg/m <sup>3</sup>	D1298	0.859
K.V at 40° C, cSt	D445	31.5
K.V at 100° C, cSt	D445	5.51
Viscosity Index	D2270	112
Pour Point, °C	D97	-18
Flash Point, (COC), °C	D92	238
Fire point, (COC), °C	D 92	268
Copper Strip Corrosion Test at 100°C for 3 hrs.	D130	1a
Initial boiling point, °C	D 1160	380
Final boiling point, °C	D 1160	480
Coefficient of thermal expansion, per °C	--	0.00080
Thermal conductivity@29.5°C, cal/cm S °C	--	0.000321

All the mentioned values are typical which may vary from batch to batch.





## Storage and Handling

- Indoor Storage is always preferable
- Barrels should be kept horizontally with bung position at 3'o'clock 9 'o clock position
- Barrels should be kept away from dusty or heated areas as much as possible

## Health and Safety

These oils are not hazardous under normal conditions of use. For further guidance appropriate Material Safety Data Sheet may be referred.

## Advice

For any further advice on applications or otherwise please contact the nearest Bharat Petroleum Territory Office or Technical Services Department at the address given below.

### **Bharat Petroleum Corporation Ltd.**

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