

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. It fulfills the requirements of Thermic fluids-Medium as specified in IS 14745 and can be recommended for maximum operating temperatures of up to 300° C.

It is 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 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.

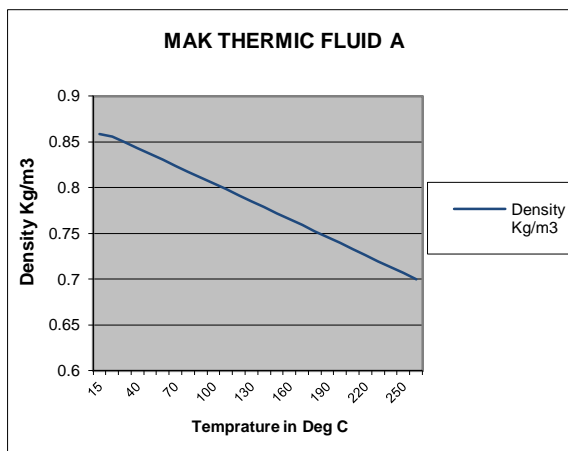
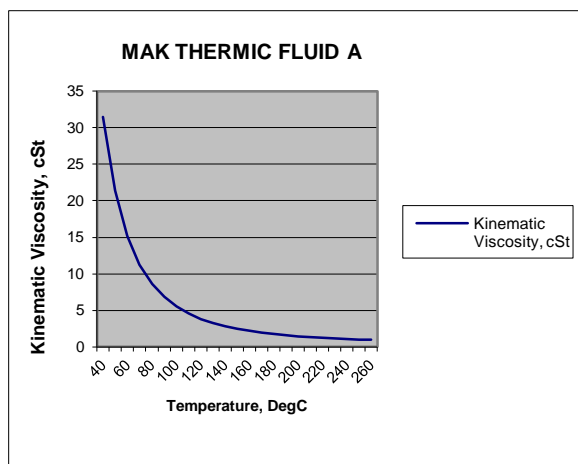
PERFORMANCE LEVEL

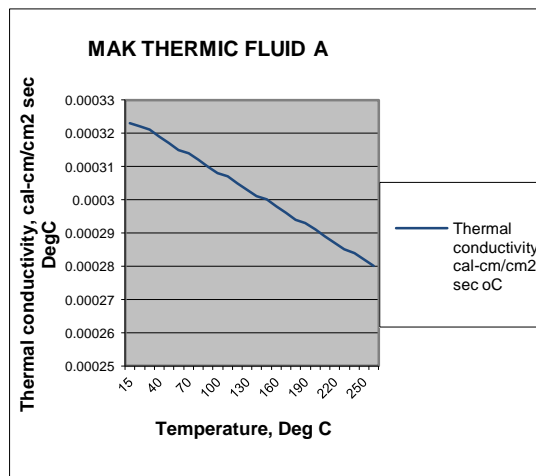
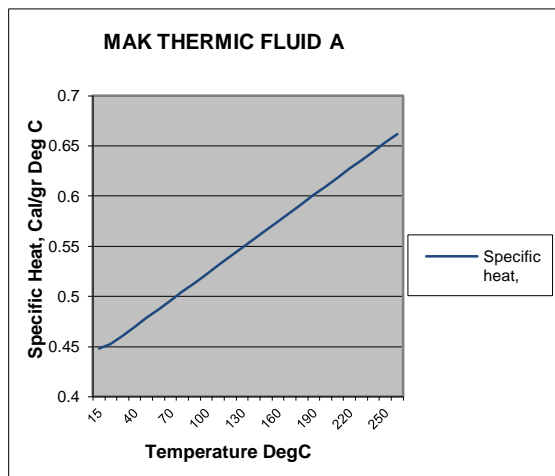
- Meets Thermic fluid- Medium requirements of IS 14745:1999 (Reaffirmed 2004)

Technical Specifications

Characteristics	ASTM	MAK THERMIC FLUID A
Appearance	Visual	Light yellow
Density@ 15°C, Kg/m ³	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	370
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.

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