

DESCRIPTION

Servotherm oils have been specially developed for use as heat transfer medium in industrial application. These oils possess high viscosity index, excellent thermal and oxidation stability, low volatility and low vapour pressure to give long service life in well designed heat transfer systems.

PERFORMANCE BENEFITS

- Give long service life since they have high resistance to thermal cracking and oxidation
- Have high specific heat and good thermal conductivity at all temperatures, and consequently provide rapid heating and more flexibility in heat transfer systems.
- Perform efficiently in high as well as low temperature heating applications
- Ensure low power consumption since they maintain adequately low viscosity for easy pumpability over a wide range of temperature
- Do not have any toxicity and obnoxious odour
- Can be used in combined heating and cooling cycles

APPLICATION

Servotherm oils are recommended as a fluid medium in various types of heat transfer system for indirect or secondary heating in industry. The use of these oils provide rapid heating and greater flexibility in heat transfer systems since they possess high specific heat and better thermal conductivity at all temperatures

These oils are suitable for use in both, closed as well as open type heat transfer systems. Servotherm oils have a high resistance to thermal cracking and hence maintain their heat transfer efficiency even when subjected to repeated high and low temperature cycles. The heat transfer system must be thoroughly cleaned and free from contaminants. All traces of dust, rust and residue of welding operations must be removed by flushing. After the flushing oil is drained the system must be free from moisture before it is charged with Servotherm oils.

MANUFACTURER'S APPROVAL

- Thermax Private Ltd., Pune

CHARACTERISTICS

GRADE	LIGHT	MEDIUM	SUPER	SPECIAL
Kinematic Viscosity cSt @ 40°C	11 – 14	28 – 35	27 – 33	28 – 35
@ 100°C	3.0	5.3	5.1	5.3
Viscosity Index, Min.	90	90	95	100
Flash Point (COC), °C, Min.	160	208	190	214
Pour Point, °C, Max.	(-) 3	(-) 3	0	(-) 6

HEALTH & SAFETY

These oils are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of industrial and personal hygiene are maintained.

For further information please contact our nearest office OR:

Technical Services Dept., Indian Oil Corporation Ltd., G-9, Ali Yavar Jung Marg, Bandra (East), Mumbai - 400 051

E-Mail: tsservices@indianoil.co.in **OR** tech_services@indianoil.co.in