

Product Data Sheet

Servotherm S Oils

Synthetic Heat Transfer Fluid



Description

Servotherm S oils have been specially developed for use as heat transfer medium in industrial applications operating at high temperatures. These oils possess very good solvency, excellent thermal and oxidation stability, low volatility and low vapour pressure to give long service life in well-designed heat transfer systems.

Performance, Features and Benefits

- Resists deterioration at recommended operating temperatures.
- Assures long fluid life and clean systems.
- Have low vapour pressures at operating temperature to permit operation at atmospheric pressure.
- Good heat transfer characteristics.
- Low pour point and moderate viscosity decreases the pumping losses and power required for circulation
- Low sludge formation tendency with good solvency even at higher operating temperature.

Application

Servotherm S oils are recommended as a fluid medium in various types of heat transfer system for direct or secondary heating in industry. The uses 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. Servotherm S oils have high resistance to thermal cracking and hence maintain their heat transfer efficiency when subjected to repeated high and low temperature.

Typical Physical Characteristics

Servotherm	Method	S Light	S Medium	S Special
Appearance at 30 Deg C	Visual	Clear & Bright	Clear & Bright	Clear & Bright
Density @ 15°C, g/ml	D1298	0.8620	0.865	0.8652
Kinematic Viscosity cSt @ 40°C	D445	3.8	25	18.99
Kinematic Viscosity cSt @ 100°C	D445	1.4	4.85	3.88
Flash Point, COC, °C,	D92	145	198	208
Copper Strip Corrosion @ 100°C, 3 Hrs,	D130	1	1	1
TAN mg KOH/gm,	D974	0.1	0.1	0.03

Health, Safety & Environment

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or at <https://cx.indianoil.in/>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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