

Last Updated: 08.11.2017

Product Code: IH0120

SARTHERM LT is a low viscosity, low temperature heat transfer oil, formulated using high quality mineral oil with enhanced levels of thermal stability, and incorporating low vapour pressure and specific heat and thermal conductivity properties, as well as exhibiting exceptional low temperature fluidity.

APPLICATION

Recommended primarily for non-pressurized closed liquid phase heating systems that incorporate both heating and cooling branches, with the low temperature fluidity ensuring that adequate circulation occurs in the coolest parts of the circuit. Maximum recommended bulk fluid temperature is 250°C, and the fluid also operates effectively in cooling systems down to bulk temperatures of 30°C.

Flush and drain the system, then fill with fresh **Sartherm LT**. Take care to make sure all air is completely vented from the system before full temperature is imposed. For maximum efficiency, the heat transfer fluid should be circulated in conditions of turbulent flow. It is strongly recommended that bulk fluid temperature does not exceed 250°C, as this could lead to degradation of the oil.

Although **Sartherm LT** is formulated with enhanced oxidation stability properties, it is advisable to take precautions to minimize exposure to air, especially if the temperature of the fluid in the expansion chamber exceeds 50°C. It is suggested that a floating cover be provided or the oil can be blanketed with inert gas.

BENEFITS

- Wide effective operating temperature range.
- Exceptional heat transfer properties which can be maintained over long periods of time.
- Suitable for use with systems incorporating both heating and cooling branches.

TYPICAL PROPERTIES

Appearance:	Pale Liquid	Kinematic Viscosity @ 40°C:	10.5 cSt
Pour point:	-30°C	Density @ 15°C:	0.867
Flash point (PMCC):	140°C	Auto ignition temperature:	310°C

HEALTH & SAFETY

This product has been manufactured to the highest standards and when used for the purpose recommended is unlikely to present any significant health hazards. A Material Safety Data Sheet is available.

Indicated data are approximate values and are subject to the usual commercial fluctuations. All information correct at time of going to press to the best of our knowledge. This information may be subject to change without notification due to continual product research and development.