

## Product Data Sheet

### Thermo X32

#### Description and Applications

**Saheli Thermo X32** is premium quality heat transfer oil intended for use in closed indirect heating systems. It is formulated from highly refined base stocks to provide excellent oxidation stability and resistance against thermal cracking.

**Saheli Thermo X32** possesses high specific heat and thermal conductivity to provide more rapid heat dissipation and its ability to flow rapidly at low temperatures ensures quick circulation at start-up and reduced risk of local over-heating. Although **Saheli Thermo X32** is thermally very stable and is capable of offering extended service life without viscosity increase or deposit formation, it should be realized that the working life depends to a considerable extent on the effectiveness of the measures taken to exclude air.

**Saheli Thermo X32** is primarily intended for use in enclosed and sealed heating systems where the maximum bulk oil temperature does not exceed 315 °C.

#### Features and Benefits

- Excellent thermal and oxidation stability minimizes deposit formation and viscosity increase leading to extended service life and reduced downtime.
- Exceptional resistance to thermal cracking and decomposition enables this oil to perform well up to a maximum bulk oil temperature of 315 °C with minimal interference with heat transfer capability.
- High specific heat and thermal conductivity of this oil provides more rapid heat dissipation
- Superior low temperature fluidity ensures quick circulation at start-up and reduced risk of local over-heating.
- Non-corrosive to aluminum, steel, copper, brass or bronze.
- Non-toxicity of this oil provides easy disposal of used oil.

#### Applications

- Closed, indirect heating and cooling systems equipped with expansion tanks in all kinds of industrial processes operating at bulk oil temperatures up to 315 °C.
- Open heating systems provided that the bulk oil temperature does not exceed 180 °C.

Test Parameters	Test Method	Typical Results
Density @ 15°C gm/cm <sup>3</sup>	ASTM D1298	0.868
Viscosity Index	ASTM D2270	102
Viscosity @ 40°C (cSt)	ASTM D 445	32.2
Pour Point, °C	ASTM D 97	-12
Flash Point, °C	ASTM D 92	230
Fire Point, °C	ASTM D 92	255
Copper Corrosion	ASTM D 130	1b