



# **Daphne Thermic Oil Series**

## **High Performance Heat Transfer Oil**

### **Description**

Daphne Thermic Oil Series is a range of heat transfer oil formulated with highly refined hydrocracked paraffinic base oil with specially selected additives to provide exceptional oxidation and thermal stability, thus, minimizing viscosity changes and deposits forming at the heating surfaces.

### **Application**

Recommended as a heat transfer oil for both open type and closed type heating systems. It is most suitable for long-term application. Recommended operating temperature range is up to 200°C in the open systems and 300°C in the closed systems.

Note: Heat transfer oil requirements are different in open and closed systems. There is a greater risk of oil oxidation in the open systems.

### **Characteristics**

1. **Excellent Oxidation Stability** - A highly refined paraffinic base oil and anti-oxidation additives assure excellent oxidation stability and reduce problems caused by formation of sludge.
2. **Excellent Thermal Stability** - Addition of special additives assure excellent thermal stability minimizes viscosity changes
3. **High Viscosity Index**
4. **High Flash Point**

### **Packing**

20L pail, 200L drum



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## Lubricant Product Information

### Typical Specifications

### Daphne Thermic Oil Series

Available Grades	ASTM METHOD	<u>32-S</u>	<u>46-S</u>	<u>68-S</u>	<u>100-S</u>
Colour	D-1500	L0.5	L0.5	L0.5	L0.5
Density 15 °C g/cm <sup>3</sup>	D-4052	0.8630	0.8660	0.8670	0.8733
Flash Point (COC) °C	D-92	226	234	258	260
Pour Point °C	D-874	-20.0	-27.5	-25.0	-15.0
Viscosity, cSt @ 40 °C	D-445	31.27	45.47	68.00	96.83
@ 100 °C		5.365	6.927	9.260	11.32
Viscosity Index	D-2270	105	108	109	103
TAN (mgKOH/g)	D-974	0.08	0.08	0.08	0.08
Foam @ 24°C	D-892	<10-0	<10-0	<10-0	<10-0

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