

## PRODUCT DATA SHEET

### DAPHNE HI TEMP OIL A High Performance Quenching Oil

#### Application

Daphne Hi-Temp Oil A is a hot type, marquenching oil designed for quenching distortion prone parts. Daphne Hi-Temp Oil A has been proven to be very effective in quenching medium to high alloy steel parts such as constant velocity joints, clutch plates and various bearing races in an atmosphere controlled batch type furnace. Parts that are more than 3 cm thick may not achieve the desired hardness, since the quenching power is relatively low.

#### Characteristics

- Hot type, marquenching oil.
- Provides long term predictable quench results.
- Provides excellent brightness after quenching.
- Application temperature range: 100°C - 180°C

#### Care & Usage:

- Oil temperature should be kept above 100°C for good agitation control.
- If the oil is removed from the pit, care should be taken to clean the oil tank before refilling.
- Water contamination control should be of utmost importance.

#### Packing

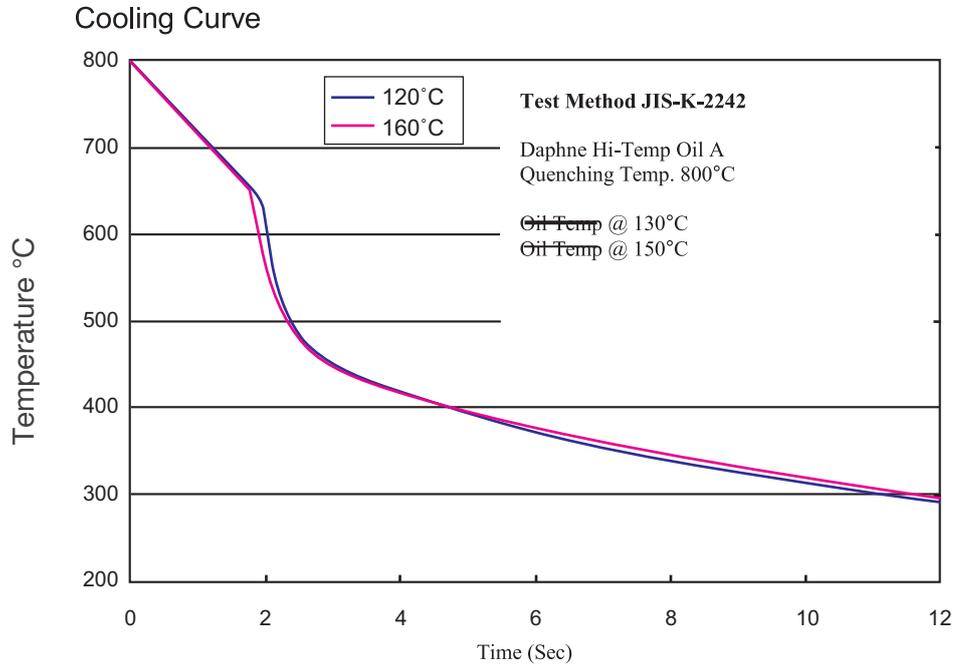
210L drum

CHEMICAL AND PHYSICAL PROPERTIES		TEST METHOD	TYPICAL DATA
Color		ASTM D-1500	L3.0
Density 15 °C g/cm <sup>3</sup>		ASTM D-4052	0.8926
Flash Point (COC) °C		ASTM D-92	284
Viscosity, cSt	@ 40 °C	ASTM D-445	217.9
	@ 100 °C	ASTM D-445	18.60
Viscosity Index		ASTM D-2270	95
TAN (mgKOH/g)		ASTM D-664	0.24
Carbon Residue, wt%		ASTMD-189	0.39

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