

Lubricant Product Information



Daphne Hi-Temp Oil L-S

High Performance Quenching Oil

Description

Daphne Hi-Temp Oil L-S is a semi-hot quenching oil formulated with highly refined mineral oil with specially selected additives for increasing the hardness of core of thick carburizing steel and bearing steel SK or SKS materials, and also, prevention of distortion.

Application

Recommended for use mainly in :

1. Pusher Type Furnace (Under Controlled Atmosphere)
Differential pinion gears, steering gears, etc.
2. For prevention of distortion of long bolts.
3. Carburizing bearings - taper roller bearings.
4. Thin plate spring.
5. Press quenching of thin parts.
6. Increasing the core hardness of thick carburizing steel.

Note:

- Oil bath temperature: 80 - 120°C.
- Water contamination should be below 200 ppm.

Characteristics

1. Excellent Cooling Properties.
2. Excellent Oxidation Stability.
3. Excellent Water Separation & Sludge Separation.
4. Maintains A Long Period Of Medium Brightness.

Packing

20L pail, 200L drum

The information provided is to our best knowledge, true & accurate, subjected to change without notification due to continual product research and development. All recommendations or suggestions are without guarantee since the conditions of use are beyond our control. The manufacturers do not accept liability for any loss or damage, however arising, which results directly from the use of such information, nor do we offer any warranty of immunity against patent infringement.

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Typical Specifications

Available Grades

Colour

Density 15 °C g/cm³

Flash Point (COC) °C

Viscosity, cSt @ 40 °C
@ 100 °C

Viscosity Index

TAN (mgKOH/g)

Carbon Residue, wt%

Daphne Hi-Temp Oil L-S

ASTM

METHOD

Visual Black

D-4052 0.8779

D-92 230

D-445 52.81

7.712

D-2270 109

D-664 0.01

D-189 0.23

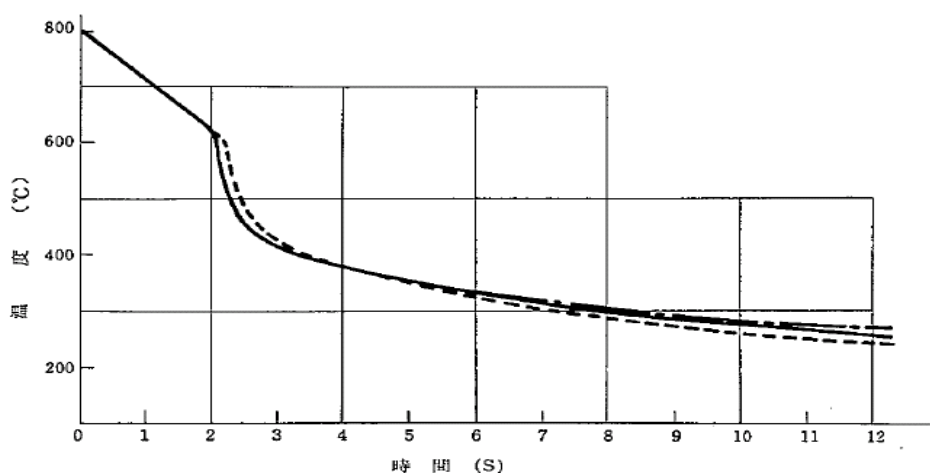
焼入油冷却曲線

Cooling Curve

試料油名

—	ダフニーハイテンプオイルL	油温 100°C
- - -	"	油温 120°C
- - - -	"	油温 70°C

試験法	JIS-K-2242	
試験条件	焼入温度	800 °C
焼入強度(H)	70°C	0.122 cm ⁻¹
	100°C	0.115
	120°C	0.112



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