

# DAPHNE

## Master Quench A

### Description

Daphne Master Quench A is a relatively low viscosity "cold" quenching oil blended with a cooling improver and an excellent oxidation inhibitor. Daphne Master Quench A- was developed for high heat resistance and will maintain consistent cooling characteristics for a long time.

### Features & Characteristics

- (1) Batch type controlled atmospheric furnace for quenching of bolts, chain parts, bearing races and variety of carbon steel parts of low alloy content.
- (2) Pusher type continuous furnace for carbonizing and neutral hardening of steel parts, forgings.
- (3) Meets the metallurgical and hardness requirements of spring steels typically used for making torsion bars, stabilizer bars and spring coils.

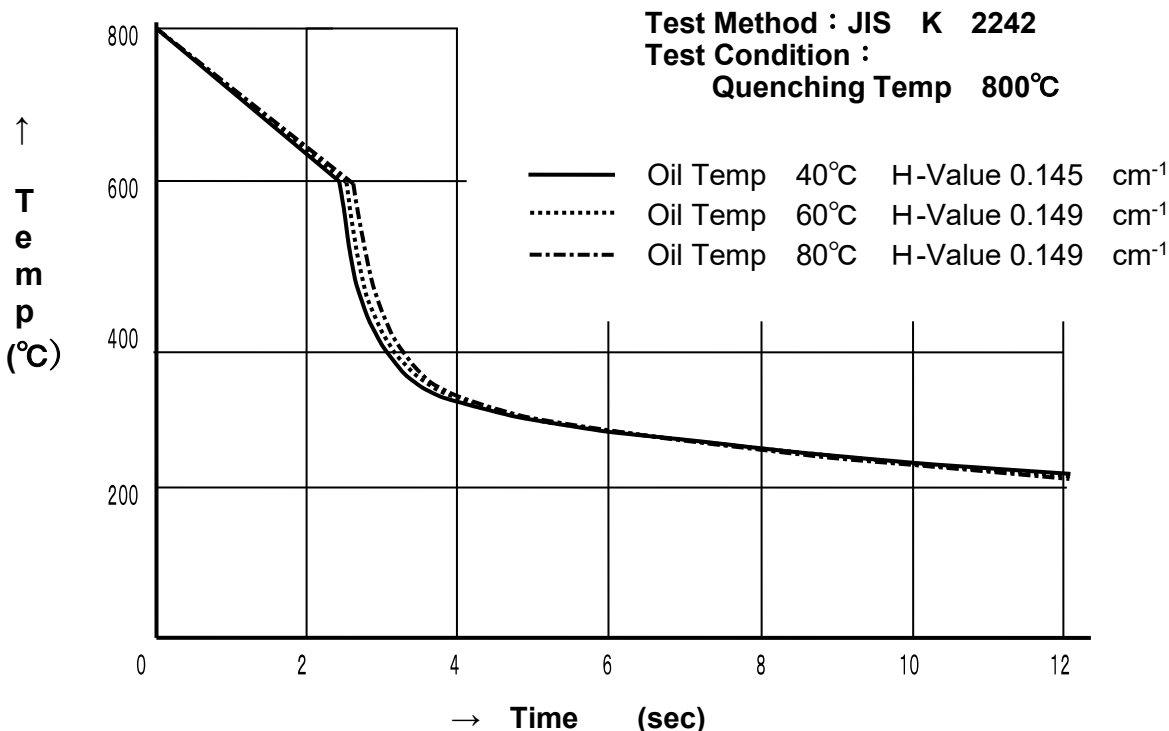
### Chemical and Physical Properties

Test Item	Test Method	Unit	Result
Density at 15°C	ASTM D4052	g/cm <sup>3</sup>	0.8722
Color(Appearance)	SIS K319	-	BLACK
Flash Point (C.O.C)	ASTM D92	°C	190
Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	17.57
Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	3.686
Acid Number	ASTM D664	mgKOH/g	0.04
H-value @80°C	JIS K2242	cm <sup>-1</sup>	0.149

### Package

200L D/M

### Cooling curve



- Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed.
- SDS is available upon request through your sales contract office, or via the internet.  
<https://www.idemitsu.com/jp/business/lube/>
- Due to continual product research and development, the information contained herein is subject to change without notification.

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