



บริษัท น้ำมันพอลโล [ไทย] จำกัด  
APOLLO (THAILAND) CO.,LTD.



Certificate No. NQ248/00



Certificate No. Q 18558

# DAPHNE MASTER QUENCH A

## 1. Application

Daphne Master Quench A is cold quenching oil. It's applied for batch type controlled-atmospheric furnace and pusher type continuous furnace.

- Batch type controlled atmospheric furnace  
Bolt, Chain, Carbon tool steel parts, etc.
- Pusher type continuous furnace  
Carburizing parts, Steel forgings, etc.

## 2. Characteristic

Daphne Master Quench A is cold quenching oil, added a special cooling improver and an excellent oxidation inhibitor with refined mineral oil.

Daphne Master Quench A is developed for high heat resistance. Special cooling improver which has high heat resistance property enables to keep a suitable cooling curve in controlled atmospheric furnace and reduce vapor blanket in the initial cooling stage which assure high hardness in quenching process.

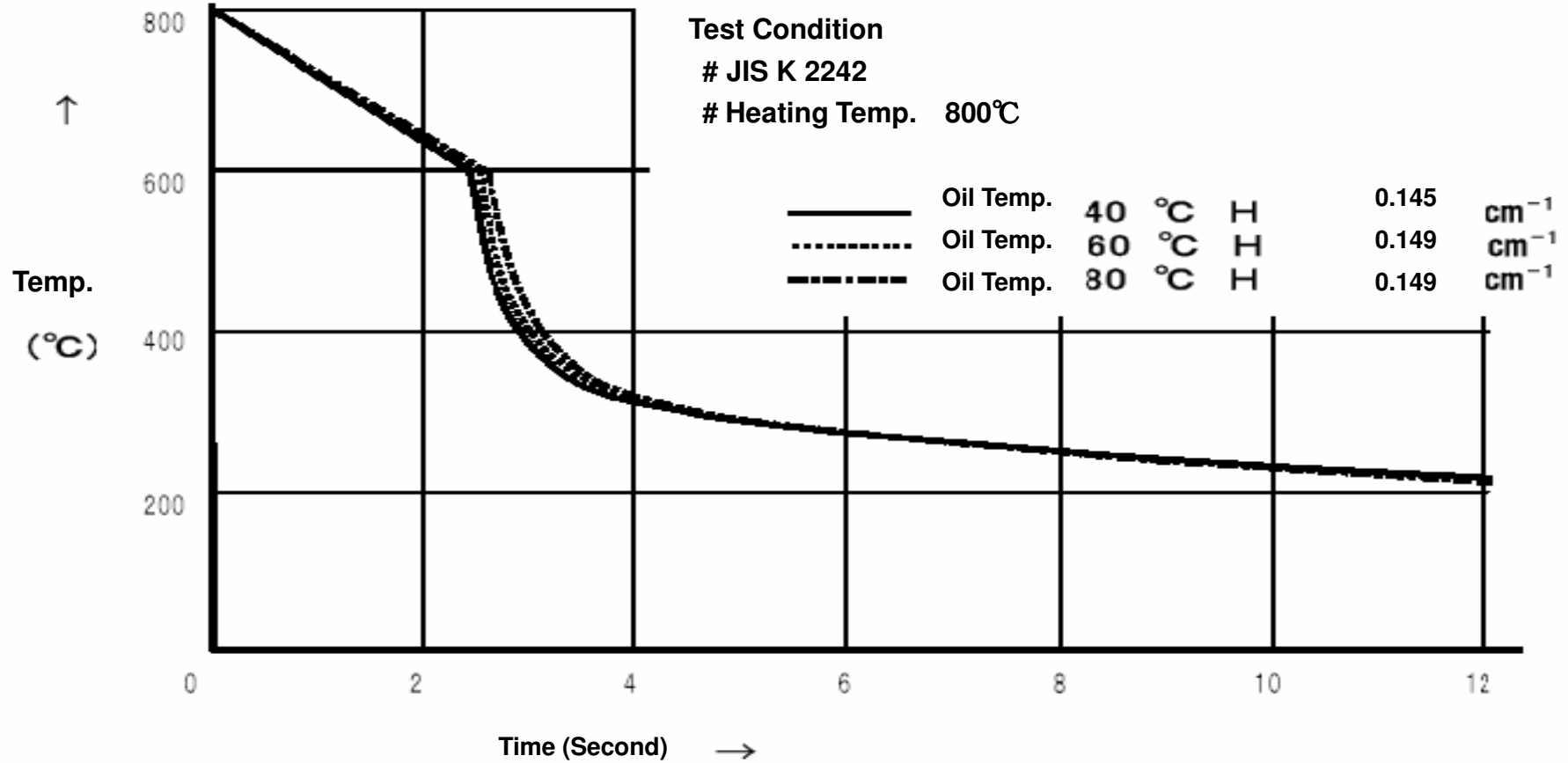
## 3. Typical specification

Density	@15°C	g/cm <sup>3</sup>	0.8643
Flash Point	(C.O.C)	°C	188
Viscosity	@40°C	mm <sup>2</sup> /s	17.99
Color	ASTM		8.0
Total Acid Number	mgKOH/g		0.02
Carbon Residue	wt%		0.64
H-Value	@80°C	1/cm	0.146

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#### 4. Cooling Curve



#### 5. Attention

Read MSDS (Material Safety Data Sheet) carefully.