Daphne Master Quench A-S
High Performance Quenching Oil

Description

Daphne Master Quench A-S is a cold quenching oil formulated with highly refined mineral oil with specially selected additives such as cooling rate improver and oxidation inhibitor to provide exceptional oxidation and quenching performance.

Application

Recommended for use mainly in:

- **Batch Type Furnace (Controlled-Atmosphere)**
  - Bolts, Chain, Carbon Tool Steel Parts, etc.

- **Pusher Type Continuous Furnace**
  - Carburizing Parts, Forged Steel Parts, etc.

Characteristics

1. **Excellent Oxidation Stability** - Special oxidation inhibitor and highly refined narrow-cut distilled base oil assures excellent oxidation stability.

2. **Excellent High Thermal Resistance.**

3. **Special Cooling Rate Improver.**

Packing

20L pail, 200L drum
Lubricant Product Information

Typical Specifications

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
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<tbody>
<tr>
<td>Colour</td>
<td>Visual Black</td>
</tr>
<tr>
<td>Density 15 °C g/cm³</td>
<td>0.8666</td>
</tr>
<tr>
<td>Flash Point (COC) °C</td>
<td>186</td>
</tr>
<tr>
<td>Viscosity, cSt @ 40 °C</td>
<td>18.38</td>
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<tr>
<td>Viscosity Index</td>
<td>110</td>
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<tr>
<td>TAN (mgKOH/g)</td>
<td>0.04</td>
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<tr>
<td>Carbon Residue, wt%</td>
<td>0.73</td>
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Cooling Curve

Test Method JIS-K-2242

Daphne Master Quench A-S
Quenching Temp. 800°C

Oil Temp @ 40°C
Oil Temp @ 60°C
Oil Temp @ 80°C

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