## **HOUGHTO-QUENCH C 166**

(Formerly HOUGHTO-QUENCH K 166)
HIGH PERFORMANCE COLD QUENCHING OIL – (ISO 6743-14) UHB

#### **DESCRIPTION**

HOUGHTO-QUENCH C 166 is a high performance accelerated quenching oil suitable at temperatures of up to 100°C

It is based upon specially selected solvent refined base oils to minimise oxidation and ensure consistent performance under the most arduous of operating conditions. A carefully formulated additive package is incorporated into HOUGHTO-QUENCH C 166 to reduce the duration of the vapour blanket cooling stage and provide accelerated quenching characteristics, together with excellent oxidation resistance and thermal stability.

#### **APPLICATIONS**

The accelerated speed provided by HOUGHTO-QUENCH C 166 enables the development of optimum strength and hardness with minimum distortion in lower hardenability and low alloy steels, heavy sectioned components or steels of borderline hardenability.

HOUGHTO-QUENCH C 166 is suitable for use in all types of quenching installations including open quench tanks, sealed quench furnaces and continuous furnaces of the shaker hearth, cast link and mesh belt type.

### **TYPICAL PHYSICAL PROPERTIES**

Appearance	Clear Amber	visual
Specific Gravity @ 15.5°C	0.87	
Kinematic Viscosity @ 40°C in mm²/s	22	ASTM D445
Kinematic Viscosity @ 100°C in mm²/s	5	ASTM D445
Flash Point COC in°C	200	ASTM D92
Maximum Cooling rate in °C/s @ 40°C	103	ISO 9950

#### **BENEFITS**

- Economic Lifetime improved provided by good oxidation resistance and thermal stability
- Economic Consistent performance under the most arduous of operating conditions
- Economic Uniform quenching characteristics maintained over a range of operating temperatures
- Operator friendly Base oil highly refined

#### **RECOMMENDATION FOR USE**

Use as supplied - neat quenching oil application

#### **RELATED PRODUCTS**

Product is compatible with the full range of Houghton's portfolio, especially with the Houghto-Clean and Ensis corrosion protection range. For more information, please contact your local Houghton representative.

#### **STORAGE**

Please refer to section 7 of Safety Data Sheets for handling and storage information, including product shelf life. Product should be stored under cover in clean, dry conditions and protected from frost. Recommended storage temperature is usually between 5°C and 40°C unless otherwise specified. Use stock in delivery rotation.

#### **HEALTH AND SAFETY**

Safety data sheets are available in accordance with Regulation (EC) No 1907/2006 Annex II where a substance or preparation meets the criteria in accordance with Directives 67/548/EEC or 1999/45/EC.

OA18/09/2012GB Page **1** / **2** 



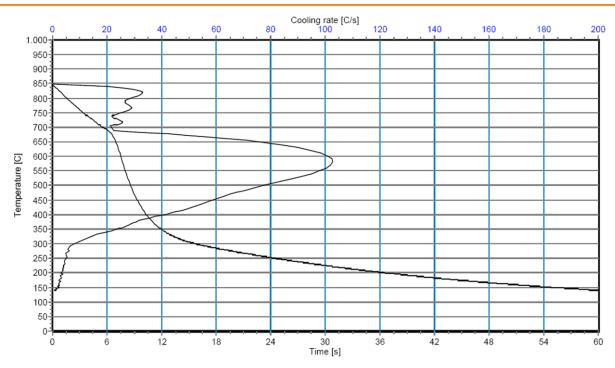
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### **COOLING CURVE @ 40°C**



OA18/09/2012GB Page **2** / **2** 



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