

# HOUGHTO-QUENCH C 150

(Formerly HOUGHTO-QUENCH 150)

HIGH PERFORMANCE COLD QUENCHING OIL – (ISO 6743-14) UHB

## DESCRIPTION

HOUGHTO-QUENCH C 150 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 150 to reduce the duration of the vapour blanket cooling stage and provide accelerated quenching characteristics, together with good oxidation resistance and thermal stability.

## APPLICATIONS

The accelerated quenching characteristics provided by HOUGHTO-QUENCH C 150 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 150 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	Dark brown oil	visual
Specific Gravity @ 15.5°C	0.877	
Kinematic Viscosity @ 40°C in mm <sup>2</sup> /s	27	ASTM D445
Kinematic Viscosity @ 100°C in mm <sup>2</sup> /s	5	ASTM D445
Flash Point COC in°C	216	ASTM D92
Maximum Cooling rate in °C/s @ 40°C	100	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.



# HOUGHTO-QUENCH C 150

(Formerly HOUGHTO-QUENCH 150)

HIGH PERFORMANCE COLD QUENCHING OIL – (ISO 6743-14) UHB

## COOLING CURVE - EFFECT OF TEMPERATURE ON QUENCHING CHARACTERISTICS

