

MAR-TEMP M 230

(Formerly MAR-TEMP 48)

HIGH PERFORMANCE WARM QUENCHING OIL – (ISO 6743-14) UHC

DESCRIPTION

MAR-TEMP M 230 is a high performance medium speed warm quenching oil suitable for use at temperatures of up to 120°C. It is based upon a medium viscosity solvent refined mineral oil with high flash point and excellent oxidation resistance.

APPLICATIONS

MAR-TEMP M 230 is designed for applications requiring some distortion control but where the use of a high temperature hot quenching oil is not justified. In open systems without atmosphere protection, MAR-TEMP M 230 can be used at temperatures up to 100°C. In enclosed systems where a protective atmosphere is provided it may be used at temperatures of up to 120°C.

TYPICAL PHYSICAL PROPERTIES

Appearance	Clear amber	visual
Specific Gravity @ 15.5°C	0.885	
Kinematic Viscosity @ 40°C in mm ² /s	48	ASTM D445
Kinematic Viscosity @ 100°C in mm ² /s		ASTM D445
Flash Point COC in °C	220	ASTM D92
Maximum Cooling rate in °C/s @ 80°C	84	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
- Economic – Drag out limited by low viscosity
- 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.

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COOLING CURVE @ 80°C

