

# MACRON 400 M-32

Tripurpose Oil for Cutting, Hydraulic and Lubrication

## DESCRIPTION

MACRON 400 M-32 is based on hydro treated mineral oil with low aromatic content. A combination of polar, extreme pressure and anti-wear additives provide the oil with high load carrying properties. The oil provides good surface finish of the machined work pieces.

MACRON 400 M-32 is free from Chlorine, active Sulphur and heavy metals (Zinc)

## APPLICATIONS

MACRON 400 M-32 is a high performance cutting oil for operations on light and medium alloyed steels, aluminum and yellow metals.

MACRON 400 M-32 has multipurpose oil characteristics for cutting and hydraulic oil HLP DIN 51524-2 and gear oil CLP DIN 51517-3. It has a good de-aeration power, does not foam and is not aggressive for the paints on machine tools

## RECOMMENDATION FOR USE

MACRON 400 M-32 is used neat as supplied.

## TYPICAL PHYSICAL PROPERTIES

Colour	yellow	
Specific Gravity @ 20 °C kg/m <sup>3</sup>	870	ASTM D 4052
Kinematic Viscosity @ 40°C, mm <sup>2</sup> /s	32	ASTM D 7042
Flash Point COC °C	220	ASTM D 92
Pour Point °C	-21	ASTM D 97
Copper Corrosion	1a	ASTM D 130

## BENEFITS

- Reduced cost - less product consumption due to reduced evaporation
- Reduced cost - clean workshop environment due to less oil mist and evaporation
- Reduced cost - less disposal due to high oxidation stability
- Simplified storage - multi purpose oil for machine lubrication, hydraulics and cutting

## RELATED PRODUCTS

For best results we recommend the use of the Houghton range of industrial lubricants, cleaners and corrosion protective.

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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