

Chlorine and zinc free straight cutting oil for very heavy-duty operations



Description

Milpro HD83 is a clear golden high performance extreme pressure straight cutting oil fortified with chlorine and zinc free additives.

Application

Milpro HD83 is used for heavy-duty operations on carbon and alloy steels: deep hole drilling, reaming, tapping. Milpro HD83 contains active sulphur and is therefore not recommended on copper alloys. In order to prolong tool life and maintain surface finish it is recommended to regularly filter the oil.

Features and benefits

- High additive content for better lubricity and performance.
- Excellent settling properties.
- Low foaming product giving a good operator comfort.
- Clear product giving a good visibility of the workpiece.
- Very good anti mist properties.
- Very low evaporation.
- Zinc free

Typical characteristics

	Test methods	Units	Grade
Appearance			Clear liquid, gold
Colour	ASTM D 1500	Colour Scale	3
Density at 15° C	ASTM D 1298	Kg/m ³	857
Viscosity at 20° C	ASTM D 445	mm ² /s	30
Viscosity at 40° C	ASTM D 445	mm ² /s	15
Flash point	ASTM D 93	° C	180
Pour point	ASTM D 97	° C	< -20
Copper corrosion	ASTM D 130		4 b
Chlorine content %			0
Anti-mist properties			Yes

Above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

Handling and storage

All packages should be stored under cover. Outside drums should be in a horizontal position.

Protect against freezing and temperature above 60° C.

Packaging type

200 and 1.000 litre

Safety Data Sheet

The Safety Data Sheet should be consulted for specific information and information on Health, Safety and Environment when handling this product.



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