

GOLDENSTONE® MPD

Technical Data Sheet (TDS) METALWORKING FLUIDS

Description and Application

Goldenstone® MPD metal forming oils are formulated from highly refined paraffinic-naphthenic type base oils blended with a highly efficient additive package ensuring excellent lubricating properties and good protection against wear and corrosion.

Goldenstone® MPD are neat cutting oils intended for use in a variety of ferrous metalworking processes, combining both types of machining: chip-removal/cutting and forming/plastic deformation. These oils can also be used in multistation transfer presses used for the production of fixing components (screws, nuts, etc.). They contain active sulfur and therefore they are not suitable for utilization during non-ferrous metal machining.

Benefits

- Precision of all relevant operations
- Low wear of the cutting tool
- Good cooling properties
- High oxidation stability

Specifications

	VG 46, 120
ISO 6743/7	ISO-L-MHF
BDS 14745	COT/P-M/MA-3

Typical Characteristics

Parameter	Test Method	Typical Value	
		VG 46	VG 120
Density at 20°C, g/ml	EN ISO 3675	0.877	0.888
Kinematic Viscosity at 40°C, mm ² /s	EN ISO 3104	46	120
Flash point COC, °C	EN ISO 2592	190	210
Pour point, °C	ISO 3016	-15	-9
Four Ball EP wear - Weld point, N	ASTM D2783	8000	8000
Copper Strip Corrosion, 3h, 100°C, rating	EN ISO 2160	4c	
Steel corrosion, St 45	BDS 5747	pass	

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit:

<http://www.goldenstoneoils.com>

Packages

210L