Product Data

Hysol™ XB

High performance semi-synthetic metalworking fluid

Description

Castrol Hysol™ XB is a high performance semi-synthetic metalworking fluid which is formaldehyde releasing agent and chlorine free. It contains an additive package that helps to enhance machining performance and surface finish, provide excellent product stability, improve system life and lower the overall operations costs.

Hysol XB is suitable for large central systems and single sump machines.

Application

Hysol XB is especially designed for machining of low-medium alloyed steel, high alloyed steel, stainless steel and aluminium alloys.

ü ü suggested core application ü possible application, please consult Castrol representative prior to use

	Cast Iron	Low-medium alloyed steel	High alloyed - stainless steel	Aluminium alloys	Magnesium alloys	Yellow metals
Grinding	ü	ü ü	ü ü	ü ü		ü
Milling, Turning (general machining)	ü	ü ü	ü ü	ü ü		ü
Drilling	ü	ü ü	ü ü	ü ü		ü
Reaming, Tapping	ü	ü ü	ü ü	ü		ü
Broaching	ü	ü ü	ü	ü		ü

Advantages

- Formaldehyde releasing free to comply with health and safety regulations where requested
- Chlorine, formaldehyde releasing agent and nitrite free which may help you to fulfill aspects of legislative requirements and waste treatment requirements that specify that these chemicals are excluded
- Extended fluid life can help reduce maintenance and machine downtime
- Low foam in recommended water conditions (see details below)
- Good anti-corrosion properties to protect machine tools and parts
- Advanced lubricity compounds to help to improvedtool life and part quality in steel and aluminum machining
- Excellent wetting properties can help to reduce coolant drag out and deliver clean machine tools and components
- Multi-functional product for multi-metal operations provides opportunity for product consolidation

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Expertos en lubricación industrial y automoción

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Typical Characteristics

	Test Method	Unit	Value
Concentrate			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	38
Emulsion			
Appearance	Visual		Milky
pH (3%)	DIN 51369 ASTM E70-97		9.2
Refractometer Factor			1.1

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding	6-7 %
General Machining	6-8 %
Drilling	7-10%
Reaming and Tapping	7-10%
Broaching	8-10%
Water range	50 – 300 ppm $CaCO_3$

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines	Chlorine
Additives	ü		ü	ü	

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

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