



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 a unique additive package that works in synergy to enhance machining performance and surface finish, provide excellent product stability, improve bio-resistance properties 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.

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

Advantages

- Formaldehyde releasing free to comply with health and safety regulations
- Chlorine and nitrite free to fulfill your local legislation, waste treatment and environmental requirements
- Resists fungal and bacterial attack to extend fluid life and reduce maintenance and machine downtime
- Low foam in recommended water conditions
- Good anti-corrosion properties to protect machine tools and parts
- Advanced lubricity compounds ensure improved tool life and part quality in steel and aluminum machining
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and components
- Unique multi-functional product for multi-metal operations results in product consolidation

Characteristics

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

Recommended Concentrations

General Machining	6-8%
Drilling	7-10%
Reaming and Tapping	7-10%
Broaching	8-10%
Water range	50-300 ppm CaCO ₃

Concentration Control

	Test Method	Unit	Value
Concentrate			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	37
Emulsion			
Appearance	Visual		Milky
pH (5%)	DIN 51369 ASTM E70-97		9,3
Refractometer Factor			1,1

Storage

To avoid product deterioration, keep the container/drum tightly sealed always. Prevent any frost and water ingress. Store it in a cool and dry place away from direct sunlight. It is preferable to store the product indoors always. For more details, please refer the product safety data sheet.

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