



Hysol MB 10

Semi-Synthetic Metalworking Fluid

Description

Castrol Hysol™ MB 10 is a semi synthetic metalworking fluid which is chlorine and formaldehyde releasing agent free. It contains an 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 MB 10 is suitable for large central systems and single sump machines.

Application

Hysol MB 10 is especially designed for machining of cast iron and grinding of low-medium alloyed steel.

	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						

◻ ◻ ◻ : core application

◻ ◻ : recommended application

◻ : suggested application; please consult Castrol representative

Advantages

- Formaldehyde releasing agent 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
- Excellent anti-corrosion properties to protect machine tools and parts
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and components
- Stable fluid suitable for a wide range of water conditions

Typical Characteristics

Name	Method	Units	Value
Concentrate			
Appearance	visual		Yellow-Amber
Mineral oil content	Calculated	Wt%	12
Emulsion			
Appearance	visual		Translucent
pH (5%)	DIN 51369 ASTM E70-79		9.5
Refractometer Factor			2.0

Recommended Concentrations

Grinding 5-6%
General Machining 6-10%

Water range 100-800 ppm CaCO₃

Additional Information

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

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