



Product Data

Castrol Hysol SL 36 XBB

High performance semi-synthetic metalworking fluid

Description

Castrol® Hysol® SL 36 XBB is a high performance multimetal semi-synthetic metalworking fluid which is formulated without boron, biocides, formaldehyde releasing agents and chlorine. It contains an additive package that may help to enhance machining performance and surface finish, provide excellent product stability and lower the overall operations costs.

Castrol Hysol SL 36 XBB is suitable for large central systems and single sump machines.

Application

Hysol SL 36 XBB is specifically designed for machining of cast iron and low-medium alloyed steel, but also suited for low to moderate duty machining of aluminum 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	Aluminum alloys	Magnesium alloys	Yellow metals
Grinding	ü ü	ü ü	ü ü	ü		
Milling, Turning (general machining)	ü ü	ü ü	ü	ü		
Drilling	ü ü	ü ü	ü	ü		
Reaming, Tapping	ü ü	ü		ü		
Broaching	ü ü	ü				

Advantages

- Formulated without boron, biocides, formaldehyde releasing agents, chlorine and nitrites which may help you to fulfill aspects of legislative and waste treatment requirements that specify that these chemicals are excluded
- Extend fluid life can help reduce maintenance and machine downtime
- Low foam in recommended water conditions (see details below)
- Excellent anti-corrosion properties to protect machine tools and parts
- Good wetting properties can help reduce coolant drag out and help deliver cleaner machine tools and components
- Suitable for a wide range of materials and applications provides opportunity for product consolidation

Typical Characteristics

	Test Method	Unit	Value
<u>Concentrate</u>			
Appearance	Visual		Amber
Specific Gravity @ 15.6°C	CN-TM-084	g/cm ³	0.965 - 0.985
<u>Emulsion</u>			
Appearance	Visual		translucent
pH in DI water (5%)	CN-TM-006		9.3
Refractometer Factor		BRIX unit multiplier	1.2

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding 4-6%
General Machining 5-10%

Water range 50-400 ppm CaCO₃

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines	Chlorine
Additives			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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