

Castrol Hysol G 100

High performance semi-synthetic metalworking fluid

Description

Castrol Hysol™ G 100 is a high performance semi synthetic metalworking fluid which is 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 G 100 is suitable for large central systems and single sump machines.

Application

Hysol G 100 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						

Advantages

- 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
- Advanced lubricity compounds ensure improved tool life and part quality
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and components

Typical Characteristics

	Test Method	Unit	Value
Concentrate			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	10
Emulsion			
Appearance	Visual		Translucent
pH (5%)	DIN 51361 ASTM E70-97		9.3
Refractometer Factor			1.8

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

Recommended Concentrations

Grinding 3-5%
General Machining 4-6%

Water range 50-250 ppm CaCO₃

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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