

Castrol Hysol GS-J

High performance semi-synthetic metalworking fluid

Description

Castrol Hysol™ GS-J is a high performance semi-synthetic chlorine free metalworking fluid. 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 GS-J is suitable for large central systems and single sump machines.

Application

Hysol GS-J is especially designed for machining of cast iron and 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, phenol 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 corrosion resistance which protects machinery and parts from in-process corrosion.
- 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%	30
Emulsion			
Appearance	Visual		Translucent
pH (5%)	DIN 51361 ASTM E70-97		9.3
Refractometer Factor			1

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

Recommended Concentrations

Grinding	4-6%
General Machining	4-6%
Drilling	6-8%
Reaming and tapping	6-8%
Broaching	6-8%
Water range	50-400 ppm CaCO ₃

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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