



## Hysol AMG

High performance soluble metalworking fluid

### Description

Castrol Hysol™ AMG is a high performance soluble 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 AMG is suitable for large central systems and single sump machines.

### Application

Hysol AMG 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	◊	◊ ◊ ◊		◊ ◊		

### Conditions of Use

- 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

## Typical Characteristics

Name	Method	Units	Value
Concentrate			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	54
Emulsion			
Appearance	Visual		Milky
pH (5%)	DIN 51369 ASTM E70-97		9.3
Refractometer Factor			1.0

## Recommended Concentrations

Grinding	3-5%
General Machining	4-8%
Drilling	5-10%
Reaming and Tapping	5-12%
Broaching	5-12%

Water range                      100-2000 ppm CaCO<sub>3</sub>

## Additional Information

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

Hysol AMG  
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