



Hysol™ J 805

Semi Synthetic Cutting and Grinding Fluid

Description

Castrol Hysol™ J 805 is a high performance, chlorine-free semi-synthetic metalworking fluid. It contains an additive package that provides good corrosion protection to machine tools and parts.

Hysol J 805 is suitable for large central systems and single sump machines.

Application

Hysol J 805 is especially designed for the machining of cast iron and low – medium alloyed steel.

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	Aluminium alloys	Magnesium alloys	Yellow metals
Grinding	ü ü	ü ü	ü ü			
Milling, Turning (general machining)	ü ü	ü ü	ü			
Drilling	ü ü	ü				
Reaming, Tapping	ü ü					
Broaching	ü					

Advantages

- Extended fluid life can help to reduce maintenance and downtime
- Low foam in recommended water conditions (see details below)
- Good anti-corrosion properties to protect machine tools and parts
- Good wetting properties can help to reduce coolant drag out and help deliver cleaner machine tools and components
- Chlorine and nitrite free which help you to fulfil aspects of legislative requirements and waste treatment requirements where applicable

Typical Characteristics

	Test Method	Unit	Value
<i>Concentrate</i>			
Appearance	Visual		Yellow
Mineral oil content	Calculated	Wt%	5
<i>Emulsion</i>			
Appearance	Visual		Translucent
pH (3%)	DIN 51369 ASTM E70-97		9.5
Refractometer Factor			1.7

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding	3-5 %
General Machining	4-7 %
Drilling	5-8%
Reaming and Tapping	7-10%
Broaching	8-10%

Water range 50 – 300 ppm CaCO₃

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.

HysoTM J 805
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