

Hysol T 15

High performance semi-synthetic metalworking fluid

Description

Castrol Hysol™ T 15 is a high performance semi-synthetic metalworking fluid formulated without formaldehyde releasing agents. It contains an additive package that provides good corrosion protection to machine tools and parts. It also provides excellent product stability which helps to lower the overall operational costs.

Hysol T 15 is suitable for large central systems and single sump machines.

Application

Hysol T 15 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	ü				
Broaching	ü ü	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
- Formaldehyde releasing agents free which may help you to fulfil aspects of legislative requirements that specify that these chemicals are excluded

Typical Characteristics

	Test Method	Units	Value
<u>Concentrate</u>			
Appearance	Visual		Yellow
Mineral oil content	Calculated	Wt %	28
<u>Emulsion</u>			
Appearance	Visual		Translucent
pH (4%)	DIN 51369 ASTM E70-97		9.4
Refractometer factor			1.5

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding	4 - 6%
General machining	5 – 7%
Drilling	6 – 8%
Reaming and tapping	6 – 10%
Broaching	6 – 10%

Water range 50 – 800 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 to the product safety data sheet.

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