



Product Data

Hysol 30 FF

High performance semi-synthetic metalworking fluid

Description

Castrol Hysol™ 30 FF is a high performance chlorine and formaldehyde releasing agent free semi-synthetic metalworking fluid. It contains an additive package that works in synergy to enhance machining performance and surface finish, provide excellent product stability and lower the overall operations costs.

Hysol 30 FF is suitable for large central systems and single sump machines.

Application

Hysol 30 FF is especially designed for 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				
Drilling	ü ü	ü ü				
Reaming, Tapping	ü ü	ü				
Broaching	ü ü					

Advantages

- Formaldehyde releasing agent free to comply with health and safety regulations
- Chlorine and nitrite free to fulfill your local legislation, waste treatment and environmental requirements
- 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%	26
Emulsion			
Appearance	Visual		Transparent
pH (3%)	DIN 51369 ASTM E70-97		9.2
Refractometer Factor			1.1

Recommended Concentrations

Grinding	4-5 %
General Machining	4-6 %
Drilling	6-10%
Reaming and Tapping	6-10%

Water range 150 – 600 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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14 Nov 2013

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