Product Data

Hysol X

High performance soluble metalworking fluid

Description

Castrol Hysol™ X is a high performance soluble metalworking fluid which is chlorine free. It contains an 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 X is suitable for large central systems and single sump machines.

Application

Hysol X is especially designed for machining of steel, stainless steel and aluminium alloys.

	Cast Iron	Low-medium alloyed steel	High alloyed - stainless steel	Aluminium alloys	Magnesium alloys	Yellow met
Grinding	ü	ü ü ü	ü ü ü	ü ü		ü
Milling, Turning (general machining)	ü	ü ü ü	ü ü ü	ü ü		ü
Drilling	ü	ü ü ü	ü ü ü	ü ü		ü
Reaming, Tapping	ü	ü ü ü	ü ü ü	ü ü		ü

ü ü ü : core application
ü ü : recommended application
ü : suggested application; please consult Castrol representative

Advantages

- 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 components ensure improve tool life and part quality in steel machining
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and components
- Multi-functional product for multi-metal operations results in product consolidation

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Expertos en lubricación industrial y automoción

Experts in industrial and automotive lubrication

Typical Characteristics

	Test Method	Unit	Value
Concentrate			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	41
Emulsion			
Appearance	Visual		Milky
pH (5%)	DIN 51369 ASTM E70-97		9,0
Refractometer Factor			1,0

Recommended Concentrations

Grinding	4-6%
General Machining	4-7%
Drilling	6-10%
Reaming and Tapping	6-10%
Broaching	7-12%
Water range	20-800 ppm $CaCO_3$

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines	Chlorine

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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