Product Data

Hysol XF

High performance semi-synthetic soluble metalworking fluid

Description

Castrol Hysol™ XF is a high performance semi synthetic metalworking fluid formulated without formaldehyde releasing agents. It contains an additive package that may help to enhance machining performance and surface finish. It also provides excellent product stability which helps to lower the overall operational costs.

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

Application

Hysol XF is especially designed for steel and aluminum alloys machining.

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

Advantages

- Formulated without formaldehyde releasing agents which may help you to fulfil aspects of legislative requirements that specify that these chemicals are excluded
- Extended fluid life can help to reduce maintenance and downtime
- Low foam in recommended water conditions (see details below)
- Lubrication package designed to try to help enhance tool life and improve surface finish on steel machining
- Good wetting properties can help to reduce coolant drag out and help deliver cleaner machine tools and components
- Multi-functional product for multi-metal operations can help in product consolidation

Berreteaga N°6, A, 48150, Sondika (Bizkaia) · mendoza@comercialmendoza.es

Expertos en lubricación industrial y automoción

Experts in industrial and automotive lubrication

Typical Characteristics

	Unit	Test Method	Value
Concentrate			
Appearance		Visual	Amber
Mineral oil content	Wt%	Calculated	around 34
Emulsion			
Appearance		Visual	milky
pH (5%)		DIN 51361 ASTM E70-97	9,4
Refractometer Factor			1,1

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding	5- 6%
General Machining	5- 7%
Drilling	5-8%
Reaming and Tapping	6-10%
Broaching	8-10%

Water range: 50-300 ppm $CaCO_3$

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines	Chlorine
Additives	ü		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 the product safety data sheet.

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

http://msdspds.castrol.com