Product Data

Castrol Hysol 39 CBF

High performance semi synthetic metalworking fluid

Description

Castrol Hysol 39 CBF is a high performance semi synthetic metalworking fluid which is boron and 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.

Castrol Hysol 39 CBF suitable for large central systems and single sump machines.

Application

Castrol Hysol 39 CBF is especially designed for machining of aluminium alloys and yellow metals. The product can also be used for machining of low-medium alloyed steel.

	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 ü ü		ü ü
Drilling	ü	ü ü		ü ü ü		ü ü
Reaming, Tapping	ü	ü ü		ü ü ü		ü ü
Broaching				ü ü ü		ü ü

ü ü ü core application ü ü recommended application ü suggested application, please consult Castrol representative

Advantages

- Boron free for environmental compliance and improved residue characteristics
- 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
- Lubrication package specifically designed to enhance tool life and improve surface finish in aluminium machining
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and components
- Suitable for a wide range of materials results in product consolidation

Typical Characteristics

	Unit	Test Method	Value
Concentrate			
Appearance	-	Visual	Amber
Mineral oil content	Wt%	Calculated	39
Emulsion			
Appearance	-	Visual	Translucent-Milky
pH (5%)		DIN 51369 ASTM E70-97	9.1
Refractometer Factor			1.0

Recommended Concentrations

Grinding	6-7%
General Machining	6-8%
Drilling	7-9%
Reaming and tapping	8-10%
Broaching	8-10%

Water range 100-800 ppm $CaCO_3$

Additional Information

	Boron	Formaldehyde releasing agent	EP-Ester	Amines	Chlorine
Additives	-	ü	ü	ü	-

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.

Castrol (UK) Limited, PO BOX 352, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW
Orders/Enquiries: 0345 9645111 Technical Enquiries: 0345 082 1719
www.castrol.com/industrial