



Almaredge MF FF

High performance semi-synthetic metalworking fluid

Description

Castrol Almaredge™ MF FF is a high performance semi synthetic metalworking fluid, which is chlorine and formaldehyde releasing agent free. It contains a unique 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. Almaredge MF FF is suitable for large central systems and single sump machines.

Application

Almaredge MF FF is especially designed for grinding of steel and machining cast iron.

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

- ◻◻◻ : core application
- ◻◻ : recommended application
- ◻ : suggested application; please consult Castrol representative

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
- Resists fungal and bacterial attack to 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
- Excellent wetting properties reduce coolant drag out and deliver clean machine tools and components

Typical Characteristics

Name	Method	Units	Value
Concentrate			
Appearance	Visual		Amber
Mineral oil content	Calculated	Wt%	15
Emulsion			
Appearance	Visual		Transparent-Transluzent
pH (5%)	DIN 51369 ASTM E70-97		9.5
Refractometer Factor			1.8

Recommended Concentrations

Grinding 4-7%
General Machining 6-10%

Water range 200-800 ppm CaCO₃

Additional Information

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

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