



Castrol Syntilo 75 EF

Synthetic Coolant

Description

Castrol Syntilo 75 EF is a mineral oil free, boron free synthetic coolant developed as a general purpose grinding and light to medium duty machining fluid for ferrous metals. It is machine friendly showing excellent compatibility to paint, elastomer and machine tool. It exhibits good anti-corrosion properties coupled with a high resistance to bacterial attack. It can be used in both single sump machines as well as central systems.

Application

Castrol Syntilo 75 EF is developed for surface, cylinder, double disk and centreless grinding. It is also recommended for milling, drilling, turning and light machining of cast iron and alloy steel.

	Cast Iron	Low medium alloyed steel	high alloyed stainless steel	Aluminium alloys	Magnesium alloys	yellow metals
Grinding	√√	√√	√			
Milling, Turning (general machining)	√√	√√	√			
Drilling	√√	√√	√			
Reaming, Tapping	√√	√	√			
Broaching	√√	√				

Advantages

- Excellent compatibility with machine tools – non sticky, non aggressive to paints and superior corrosion protection
- Low foaming in all water conditions
- Inhibits microbial growth to extend fluid life in central systems and individual sumps
- Reduced product usage due to low top requirements; excellent wetting properties reducing fluid drag out as well
- Chlorine, boron, phenol and nitrite free for environmental compliance

Typical Physical Characteristics

Data	Test method	Unit	Values
Concentrate:			
Appearance	visual	-	transparent - yellow
Density at 20°C	DIN 51757	kg/m ³	996
Mineral Oil Content	calculated	Wt.%	0
Solution:			
Appearance	visual	-	transparent
pH (5%)	DIN 51369	-	9.8
Concentration:			
Refractometer factor	-	-	2.0

Recommended Concentrations

Grinding : 3 - 5%
Machining : 4 - 10%
Water range : 2 - 30 °dH

Recommended minimum concentration for Castrol Syntilo 75 EF up to 5 % will effectively protect ferrous machine tool equipment.

Additional Information

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

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