

Castrol Syntilo K1

Synthetic coolant

Description

Castrol Syntilo™ K1 is a synthetic coolant which has been developed for use as a general purpose grinding fluid for ferrous metals. It forms a clear, stable solution in both hard and soft waters. Syntilo K1 exhibits extreme good anti-corrosion properties coupled with a high resistance to bacterial attack.

Application

Syntilo K1 is developed for surface, cylindrical, double disk and centreless grinding.

Advantages

- Low foaming in all water conditions to ensure continuous grinding performance
- Inhibits microbial growth to extend fluid life in central systems and individual sumps
- Rejects tramp oil to the surface of the fluid for easy removal
- Chlorine, phenol and nitrite free for environmental compliance
- Excellent corrosion protection even in hard water
- Settles chips quickly to prevent grinding wheel build-up and maintain a clean working environment
- Neutral odor

Typical Physical Characteristics

	Test Method	Unit	Value
Concentrate			
Appearance	Visual	Visual	Transparent, yellow
Density at 20°C	DIN 51757	kg/m ³	1.17
Mineral oil content	Calculated	Vol. %	0
Solution			
Appearance	Visual	Visual	Transparent
pH (5%)	DIN 51361		9,3
Factor refractometer			1,2

Recommended Concentrations

Grinding: 2-3%

Water range: 0–400 ppm CaCO₃

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