



Castrol Syntilo 66

Synthetic Coolant

Description

Castrol Syntilo™ 66 is a mineral oil free synthetic coolant especially developed for general purpose grinding and light duty machining application on ferrous metals. It forms a clear, stable solution in both hard and soft waters. 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 66 is developed for surface, cylindrical, double disk and centreless grinding. It is also recommended for light duty machining operation on cast iron.

	Cast Iron	Low - Medium Alloyed Steel	Medium - High Stainless Steel	Aluminium Alloys	Titanium Alloys	Tungsten Carbide
Grinding	√√					
Milling, Turning (general machining)	√					
Drilling						
Reaming, Tapping						
Broaching						

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 flushing and quick chip settling properties prevent grinding wheel build-up and maintain a clean working environment.

Typical Characteristics

Name	Method	Units	Syntilo 66
CONCENTRATE			
Appearance	Visual	-	Transparent Yellow
Density at 15°C	DIN 51757, ASTM D1298	kg/m ³	1040
	Calculated	lbs/gal	8.66
Mineral Oil Content	Calculated	Vol%	0
SOLUTION			
Appearance	Visual	-	Transparent
pH (5%)	DIN 51361, ASTM E70-97	-	10.1
Factor Refractometer	-	-	3.1

Recommended Concentrations

Grinding : 2 – 4%
Machining : 4 – 5%
Water range : 0 - 400 ppm CaCO₃

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