

Castrol Syntilo 9904

Synthetic coolant

Description

Castrol Syntilo™ 9904 is a synthetic coolant which has been developed for use as a general purpose grinding and medium to heavy duty machining fluid for ferrous metals. It forms a clear, stable solution in both hard and soft waters. Syntilo 9904 exhibits good anti-corrosion properties coupled with a high resistance to bacterial attack.

Application

Syntilo 9904 is developed for surface, cylindrical, double disk, internal and centre-less grinding. Syntilo 9904 is also recommended for honing, milling, turning, boring, drilling, tapping and gear hobbing on cast iron, low carbon and alloy steel.

Advantages

- Versatile product will perform on majority of machining and grinding applications
- 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
- Maintains corrosion protection in hard water
- Settles chips quickly to prevent grinding wheel build-up and maintain a clean working environment

Typical Physical Characteristics

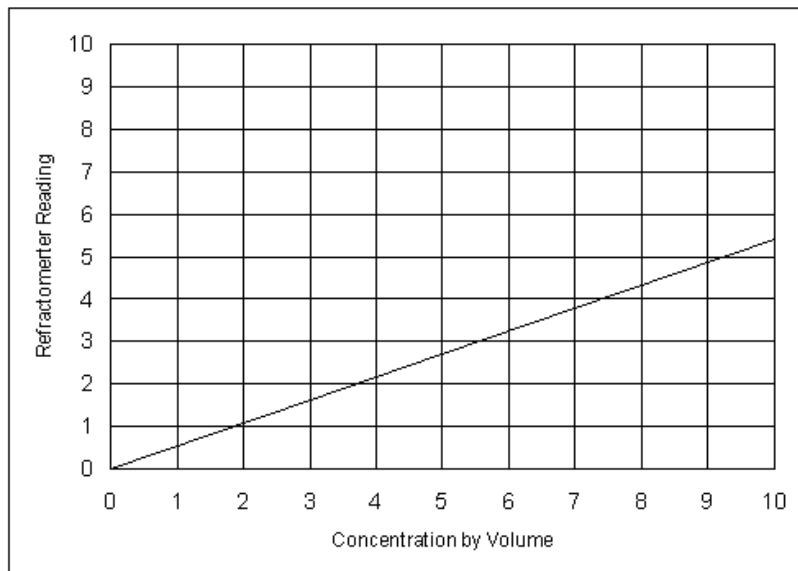
	Test Method	Unit	Value
Concentrate			
Appearance	Visual	Visual	Transparent, yellow
Density	DIN 51757 ASTM D 1298	kg/m ³	1.040 – 1.060
	Calculated	lbs/gal	8.74
Mineral oil content	Calculated	Vol. %	0
Solution			
Appearance	Visual	Visual	Transparent
pH (5%)	DIN 51361 ASTM E70-97		8.8 – 9.2
Factor refractometer			1.9

Recommended Concentrations

Grinding:	4-6%
Machining:	4-10%
Honing:	8-10%

Concentration Control

% Concentration	Refractometer reading
3.0	1.62
5.0	2.70
7.0	3.78
10.0	5.41



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Castrol Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, UK
www.castrol.com/industrial

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