Product Data

Syntilo 81 BF

Synthetic coolant

Description

Castrol Syntilo™ 81 BF 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 81 BF exhibits very good anti-corrosion properties coupled with a high resistance to bacterial attack.

Application

Syntilo 81 BF 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
- Boron, 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 Characteristics

Name	Test Method	Unit	Syntilo 81 BF
CONCENTRATE			
Appearance	Visual	-	Transparent yellow
Density	ASTM D 1298 / DIN 51757	kg/m³	1.11 - 1.13
Density	ASTM D 1298 / DIN 51757 / Calculated	lbs/gal	9,38
Mineral Oil content	Calculated	Vol. %	0
SOLUTION			
Appearance	Visual	-	Transparent
pH-value (5%)	ASTM E 70-97 / DIN 51361	-	8.9 - 9.5
Factor Refractometer	-	-	1,5

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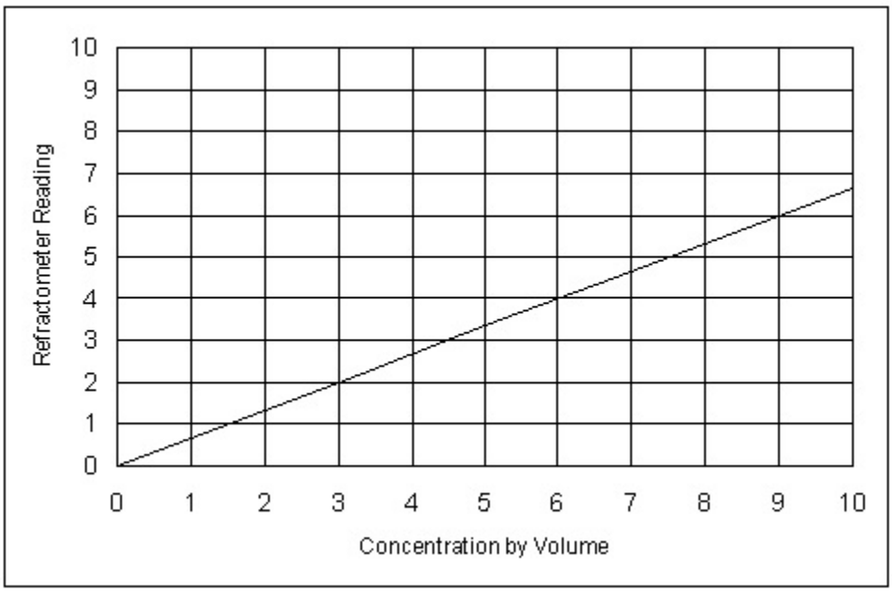
Recommended Concentrations

Grinding: 3-5%

Concentration Control

% Concentration	Refractometer Reading
3.0	2.00
5.0	3.33
7.0	4.67
10.00	6.67



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