Product Data

Castrol Syntilo® XG 100

Premium Synthetic Emulsion Grinding Fluid

Description

Castrol Syntilo XG 100 is a premium synthetic emulsion for high-speed, creep-feed and other difficult grinding operations. **Syntilo XG 100** offers a high degree of boundary and extreme pressure lubrication to increase feed rates, reduce cycle times and boost productivity. Its unparalleled lubrication minimizes dressing to extend wheel life, including expensive super-abrasive wheels. Unlike conventional soluble oils, **Syntilo XG 100** maintains stability. Even in hard water or high contamination situations, **Syntilo XG 100** remains clean running and does not produce oily residues. Furthermore, when applied through high-pressure nozzles, **Syntilo XG 100** has a low propensity to foam.

Advantages

- Lubricates at extreme temperatures and speeds to decrease cycle time
- Reduces dressing rates to prolong wheel life
- Prevents grinding “burn” to ensure part quality and reduce scrap rates
- Maintains cleanliness without oily residues
- Controls foam to maximize cooling properties and eliminate costly spills
- Resists microbial attack to eliminate rancid odors
- Carries swarf back to the filter to maintain clean systems
- Complies with health and safety regulations through formaldehyde-free formulation

Characteristics

	Unit	Test Method	Value
Appearance of Concentrate	-	CN-TM-074	Hazy yellow fluid
pH of Emulsion	@ 5%	CN-TM-069	9.15 – 9.75
Specific Gravity	@ 60°F (16°C)	CN-TM-086	0.97 – 0.99
Bulk Density	lbs/gal	-	8.16
Chlorine	-	-	No
Sulfur	-	-	Yes
Phosphorous	-	-	Yes
Diethanolamine	-	-	No
Formaldehyde-Release Biocides	-	-	No
DSL approved	-	-	Yes

User advice

Syntilo XG 100 is recommended for grinding ferrous metals, as well as nickel and titanium alloys. Consult your Castrol Account Manager for questions regarding compatibility.

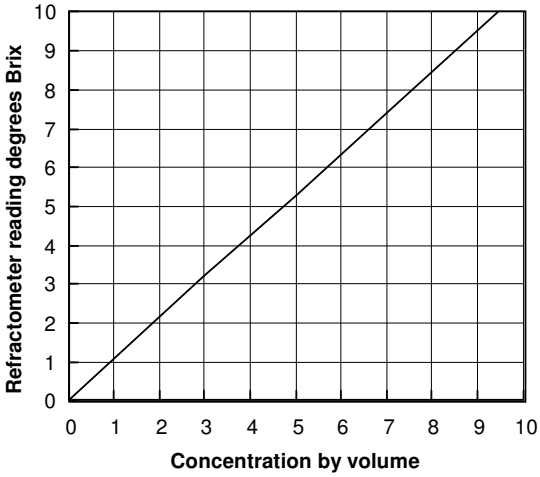
Recommended Applications & Dilutions

Grinding: 5 – 10%

Additional Information
Concentration Control

% Concentrate	Refractometer Reading
3.0	3.2
5.0	5.3
7.0	7.4
10.0	10.6

This chart was prepared with dilutions of distilled water using an Atago Model N1A refractometer. The graph is a linear regression of actual readings from laboratory tests. It is important to realize that refractometer readings are dependent upon the type of refractometer and water used. Atago Model N1A refractometers are available through Castrol Industrial North America Inc.



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