



Product Data

Castrol Syntilo® 1023

Oil Dispersing Synthetic Cutting and Grinding Fluid

Description

Castrol Syntilo 1023 is an oil-dispersing, synthetic cutting and grinding fluid formulated for use in cast iron transfer lines. Syntilo 1023 is engineered to separate tramp oil to the surface of the fluid where it can be removed by skimming. It also disperses small amounts of oil throughout the fluid to create a thin film which protects parts, chips and machine surfaces. This unique oil-dispersing characteristic reduces corrosion and prevents “clinkering.”

Advantages

- Improved residue characteristics compared to traditional synthetic products
- Inhibits ferrous corrosion to protect machine tools and parts
- Stable fluid suitable for a wide range of water conditions
- Unique oil-dispersing characteristic prevents “clinkering” of cast iron chips and reduces build-up of cast iron smut
- Inhibits microbial growth to extend fluid life in central systems and individual sumps

Characteristics

	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Clear to slightly hazy yellow fluid
Appearance of Dilution	-	Visual	Transparent fluid
pH of Dilution	@ 5%	-	9.1 – 9.5
Specific Gravity	@ 60°F (16° C)	CN-TM-086	1.07 – 1.09
Bulk Density	lbs/gal	-	9.0
Chlorine	-	-	No
Nitrites	-	-	No
Phenols	-	-	No

User advice

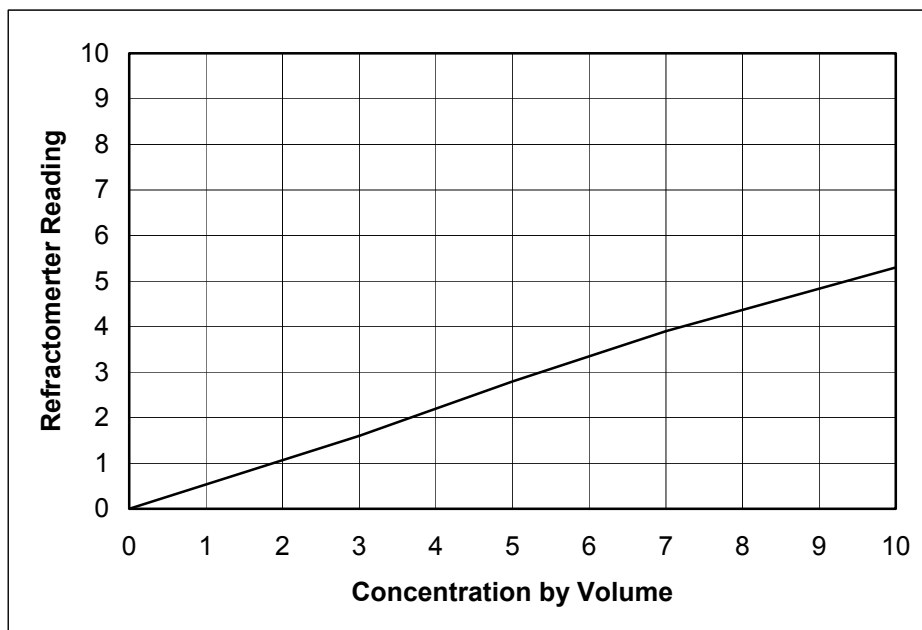
Syntilo 1023 is recommended for machining and grinding ferrous metals. Consult your Castrol Account Manager for questions regarding compatibility.

Recommended Applications & Dilutions

Grinding: 4 – 5%
Machining: 5 – 8%

Additional Information Concentration Control

% Concentration	Refractometer Reading
3.0	1.6
5.0	2.8
7.0	3.9
10.0	5.3



Castrol Syntilo 1023
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