



Product Data

Castrol Syntilo® 9974

High Performance Synthetic Cutting and Grinding Fluid

Description

Castrol Syntilo 9974 is Castrol's highest performing, oil-rejecting synthetic metalworking fluid. Its premium technology provides extremely high lubricity in a variety of ferrous metal applications. Syntilo 9974 has been engineered for the high feeds and speeds of today's machining operations. Syntilo 9974 remains clean running and low foaming in both hard and soft water applications. Syntilo 9974 performs exceptionally well as a replacement for straight cutting oils in applications such as gun-drilling and gear hobbing.

Advantages

- Increased lubrication versus conventional synthetic metalworking fluids
- Excellent stability in hard and soft water applications to ensure minimal residue build up
- Rejects tramp oils to the surface of the fluid for easy skimming
- Low foaming in all water conditions
- Inhibits microbial growth to extend fluid life in central systems and individual sumps
- Prevents bi-metallic corrosion and is safe to use in equipment with copper, brass or bronze components

Characteristics

	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Clear yellow fluid
Appearance of Dilution	-	Visual	Clear fluid
pH of Dilution	@ 5%	-	8.7 – 9.3
Specific Gravity	@ 60°F (16° C)	CN-TM-086	1.048 – 1.068
Bulk Density	lbs/gal	-	8.8
Chlorine	-	-	No
Nitrites	-	-	No
Phenols	-	-	No

User advice

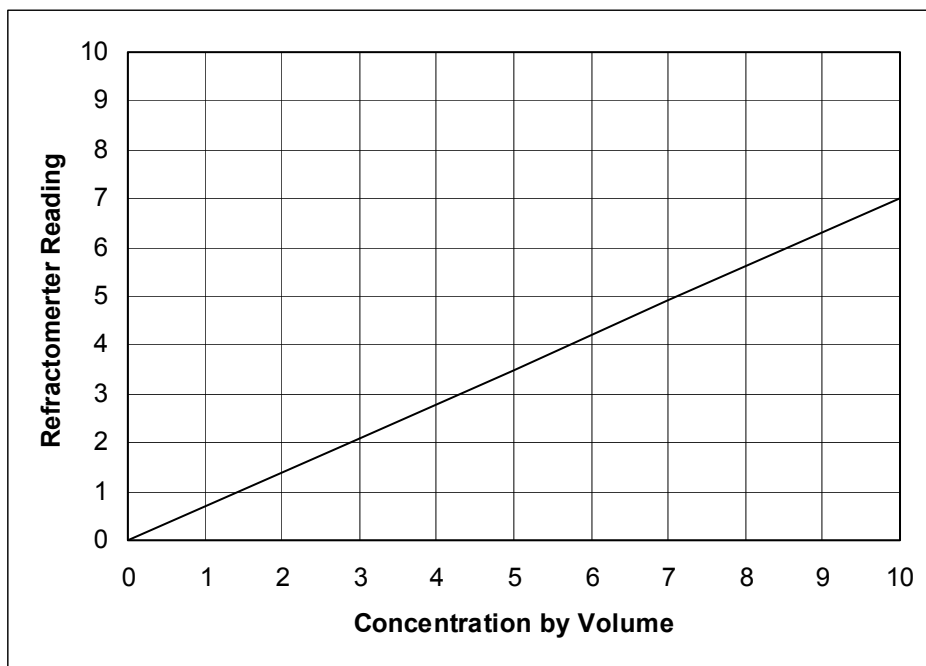
Syntilo 9974 is recommended for machining and grinding of ferrous metals including stainless steels and alloys. Consult your Castrol Account Manager for questions regarding compatibility.

Recommended Applications & Dilutions

Grinding: 3 – 5%
Machining: 5 – 10%

Additional Information Concentration Control

% Concentration	Refractometer Reading
3.0	2.1
5.0	3.5
7.0	4.9
10.0	7.0



Castrol Syntilo 9974
03.09.2005, Version Number 2.0
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