



Product Data

Castrol Syntilo® 9904

High Performance Synthetic Cutting and Grinding Fluid

Description

Castrol Syntilo 9904 is a high performance synthetic cutting and grinding fluid for ferrous metals. This oil-rejecting fluid provides maximum machining performance in severe operations such as threading. Compared to traditional synthetic fluids, Syntilo 9904 has improved hard water stability and produces low residues. Syntilo 9904 generates little fluid carry out, resulting in long turnover rates and low product usage.

Advantages

- Incorporates a combination of surfactant chemistries offering improved lubrication versus conventional synthetic fluids
- Rejects tramp oils to the surface of the fluid for easy skimming
- Inhibits microbial growth to extend fluid life in central systems and individual sumps
- Stable fluid suitable for a wide range of water conditions
- Prevents bi-metallic corrosion and is safe to use in equipment with copper, brass or bronze components
- Keeps machine surfaces and parts clean with a soft, transparent film residue

Characteristics

	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Clear yellow fluid
Appearance of Dilution	-	Visual	Clear fluid
pH of Dilution	@ 5%	-	8.8 – 9.2
Specific Gravity	@ 60°F (16° C)	CN-TM-086	1.040 – 1.070
Bulk Density	lbs/gal	-	8.8
Chlorine	-	-	No
Nitrites	-	-	No
Phenols	-	-	No

User advice

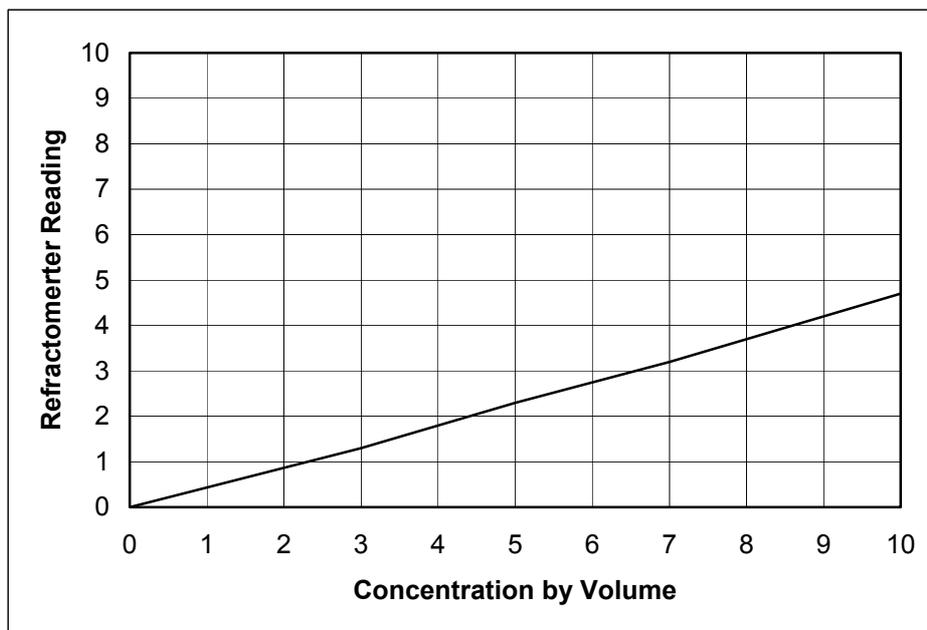
Syntilo 9904 is recommended for machining and grinding of ferrous metals including stainless steels and alloys. Consult your Castrol Account Manager for questions regarding compatibility.

Recommended Applications & Dilutions

Grinding: 3 – 6%
Machining: 4 – 10%

Additional Information Concentration Control

% Concentration	Refractometer Reading
3.0	1.3
5.0	2.3
7.0	3.2
10.0	4.7



Castrol Syntilo 9904
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