



## Syntilo 9954

High Performance Synthetic Cutting and Grinding Fluid

### Description

Castrol Syntilo 9954 is a high performance synthetic cutting and grinding fluid for ferrous metals. This oil-rejecting fluid performs the most difficult operations with superior performance. Syntilo 9954 performs exceptionally well as a replacement for straight cutting oils in applications such as gun-drilling and gear hobbing. Syntilo 9954 is a clean fluid capable of reducing overall production costs while satisfying the most critical machining requirements.

### Application

- Incorporates a combination of surfactant technologies that provide increased lubrication versus conventional synthetic metalworking fluids
- 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

### Typical Characteristics

Name	Method	Units	Value
Appearance of Concentrate	Visual	-	Clear yellow fluid
Appearance of Dilution	Visual	-	Clear to slightly yellow fluid
pH of Dilution	-	@ 5%	8.0 - 8.8
Specific Gravity	CN-TM-086	@ 60°F (16°C)	1.083 - 1.093
Bulk Density	-	lbs/gal	8.9
Chlorine	-	-	No
Nitrites	-	-	No
Phenols	-	-	No

### Recommended Concentrations

Grinding: 3 - 6%  
Machining: 5 - 10%

## Concentration Control

% Concentration	Refractometer Reading
3.0	2.2
5.0	3.9
7.0	5.5
10.0	7.1

## User Advice

Syntilo 9954 is recommended for machining and grinding of ferrous metals, including stainless steels and alloys. Consult a Castrol representative for questions regarding compatibility.

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