



Product Data

Castrol Syntilo® 9730

Synthetic Cutting And Grinding Fluid

Description

Castrol Syntilo 9730 is an oil-rejecting, synthetic metalworking fluid for ferrous metal machining. In some machining applications, **Syntilo 9730** has shown low mist properties. Furthermore, one test site indicated mist reduction in a transfer line machining system when compared to a traditional oil-rejecting synthetic. Its unique lubrication package provides boundary lubrication not normally found in synthetic fluids. Castrol formulated **Syntilo 9730** specifically for excellent bioresistance and corrosion protection. The product is extremely low foaming in all water conditions and its oil-rejecting nature maintains a clean-running fluid.

Application

- Boring
- Honing
- Deep-hole drilling
- Reaming
- Threading
- Tapping
- Milling

Advantages

- Unique lubrication package provides excellent boundary lubrication for extended tool life.
- Low misting in one test site's transfer-line machining system.
- Extremely low foaming in all water conditions.
- Inhibits microbial growth to extend fluid life in central systems and individual sumps.
- Clean-running; rejects tramp oils to the fluid surface for easy skimming and improved system life.
- Superior corrosion resistance for in-process rust protection.

Characteristics

	Unit	Test Method	Value
Appearance	-	CN-TM-074	Clear yellow fluid
pH of Concentrate	-	CN-TM-069	9.2 - 9.6
pH of Dilution	@ 5%	CN-TM-069	8.8 - 9.2
Specific Gravity	@ 60°F (16°C)	CN-TM-086	1.06 – 1.08
Boiling Point	°F/°C	-	212°F, 99.99°C
Chlorine, Sulfur or Phosphorus	-	-	No
Diethanolamine	-	-	No
Phenols	-	-	No
Nitrites	-	-	No
Formaldehyde-Release Biocides	-	-	No
DSL approved	-	-	Yes

User advice

Syntilo 9730 is recommended for use with all ferrous metals. Consult your Castrol Sales Engineer for questions regarding compatibility.

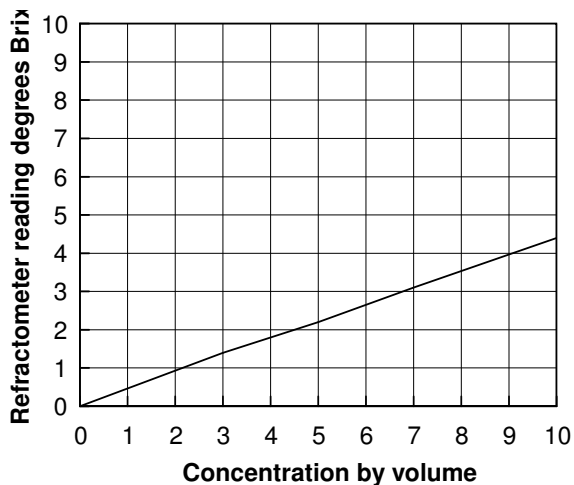
Recommended Applications & Dilutions

Machining: 5 - 8%
Severe machining: 9 - 12%

Additional Information Concentration Control

% Concentrate	Refractometer Reading
3.0	1.4
5.0	2.2
7.0	3.1
10.0	4.1

This chart was prepared with dilutions in distilled water using an Atago Model N1A refractometer. 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.



Castrol Syntilo 9730
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