



Product Data

Castrol Syntilo 9913

Synthetic coolant

Description

Castrol Syntilo™ 9913 is a pH-neutral synthetic coolant which has been developed for heavy duty machining for aluminum and other aerospace alloys. Syntilo 9913 contains a combination of surfactant chemistry that provides superior lubrication and excellent cooling properties.

Application

Syntilo 9913 is recommended for grinding, honing, milling, turning, boring, drilling, and tapping on aluminium and aerospace alloys.

Approved by Boeing for aluminium alloys.

Advantages

- Neutral pH protects aluminum and other aerospace alloys and promotes strong operator acceptance
- Low foaming in all water conditions
- Inhibits microbial growth to extend fluid life in central systems and individual sumps
- Rejects tramp oil to the surface of the fluid for easy removal
- Boron, chlorine, phenol and nitrite free for environmental compliance

Typical physical characteristics

	Unit	Test Method	Value
Concentrate			
Appearance	Visual	Visual	Transparent, yellow
Density	kg/m ³	DIN 51757 ASTM D 1298	1.056 – 1.078
	lbs/gal	Calculated	8.89
Mineral oil content	Vol. %	Calculated	0
Solution			
Appearance	Visual	Visual	Transparent
pH (5%)		DIN 51361 ASTM E70-97	7.2 – 7.6
Factor refractometer			1.4

Recommended concentrations:

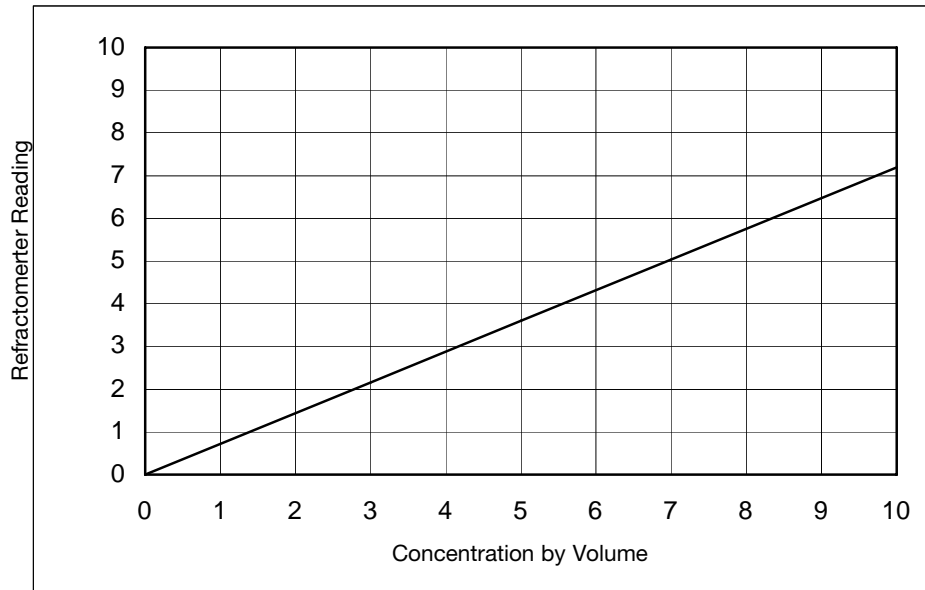
Grinding: 6-8%
General Machining: 6-10%

Recommended minimum operation concentration for all application is 6%.
6% concentration of Syntilo 9913 will effectively protect ferrous machine tool equipment.

Additional information

Concentration control

% Concentration	Refractometer Reading
3.0	2.16
5.0	3.60
7.0	5.04
10.0	7.19



Castrol Syntilo 9913
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Castrol Industrial North America Inc. 150 West Warrenville Road, 605 3E Naperville, IL 60563 Tel: (877) 641 1600 Fax: (877) 648 9801

www.castrol.com/industrial