



Product Data

Castrol Syntilo® 2109

Oil-absorbing Synthetic Metalworking Fluid

Description

Castrol Syntilo 2109 is an oil-absorbing synthetic metalworking fluid formulated for cast iron transfer lines and general machining of ferrous alloys. Syntilo 2109 absorbs 1 – 2% tramp oil to improve lubrication, enhance corrosion protection and prevent clinkering of cast iron chips. Unlike soluble oils typically used in ferrous applications, Syntilo 2109 resists microbial attack and remains clean running to extend system life.

Advantages

- Resists fungal and bacterial attack to prolong fluid life
- Absorbs troublesome tramp oil to improve lubrication and enhance corrosion protection
- Improved residue characteristics compared to traditional synthetic products
- Unique oil-absorbing characteristic prevents clinkering of cast iron chips and reduces build-up of cast iron smut
- Formaldehyde-free to comply with health and safety regulations

Characteristics

	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Clear Yellow
Appearance of Dilution	-	Visual	Transparent, colorless
pH of Dilution	@ 5%	-	9.0 – 9.5
Specific Gravity	@ 60° F (16° C)	CN-TM-086	1.06 – 1.08
Bulk Density	lbs/gal	-	8.9
Chlorine	-	-	No
Nitrites	-	-	No
Phenols	-	-	No

User advice

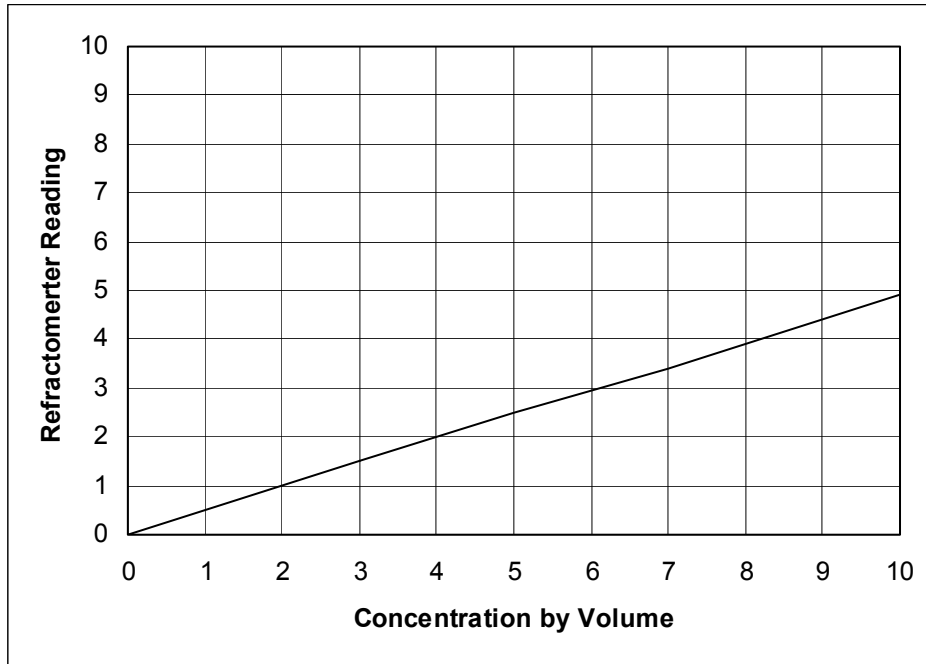
Syntilo 2109 is recommended for machining and grinding ferrous metals. Consult your Castrol Account Manager for questions regarding compatibility.

Recommended Applications & Dilutions

Grinding: 4 – 5%
Machining: 5 – 8%

Additional Information Concentration Control

% Concentration	Refractometer Reading
3.0	1.5
5.0	2.5
7.0	3.4
10.0	4.9



Castrol Syntilo 2109
03.16.2005, Version Number 2.0
Syntilo 2109 and the Castrol logo are trademarks of Castrol Limited.

All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Ltd products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

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