



Syntilo 9919

Synthetic coolant

Description

Castrol Syntilo 9919 is a pH-neutral synthetic coolant formulated without boron and formaldehyde releasing agents. It has been developed for use as a grinding and heavy duty machining fluid for ferrous and non ferrous metals.

Syntilo 9919 is suitable for large central systems and single sump machines.

Application

Syntilo 9919 is recommended for grinding, milling, turning, boring, drilling, and light tapping on ferrous and non ferrous alloys. Syntilo 9919 has been especially developed to match requirements in electronic and piston manufacturing industry.

ü ü suggested core application ü possible application, please consult Castrol representative prior to use

	Cast Iron	Low-medium alloyed steel	High alloyed - stainless steel	Aluminium alloys	Titanium alloy	Tungsten Carbide
Grinding		ü ü	ü ü	ü ü		
Milling, Turning (general machining)		ü ü	ü ü	ü ü	ü	
Drilling		ü	ü	ü	ü	
Reaming, Tapping		ü ü	ü ü	ü	ü	
Broaching		ü ü				

Advantages

- Neutral pH helps to protect aluminum and other aerospace alloys and promotes strong operator acceptance
- Low foaming in all recommended water range
- Rejects tramp oil to the surface of the fluid for easy removal
- Formulated without formaldehyde releasing agents and boron which help you to fulfil aspects of legislative requirements and waste treatment requirements that specify that these chemicals are exclude
- Suitable for a wide range of materials and applications provides opportunity for product consolidation

Typical Characteristics

	Test Method	Unit	Value
<u>Concentrate</u>			
Colour	Visual		Light Yellow
Mineral oil content	Calculated	Wt%	0
<u>Solution</u>			
Appearance	Visual		Transparent
pH (5%)	DIN 51369 ASTM E70-97		7.5
Refractometer Factor			1.8

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding: 4 - 6%

General Machining: 4 -10%

Water range 0-300 ppm CaCO₃

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

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28 Oct 2022

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