



Castrol Syntilo 22

Synthetic Coolant

Description

Castrol Syntilo™ 22 is a mineral oil free synthetic coolant especially developed for grinding application on ferrous metals, glass and ceramics. It forms a clear, stable solution in both hard and soft waters. Castrol Syntilo 22 exhibits good anti-corrosion properties coupled with long system life.

It can be used in both single sump machines as well as central systems.

Application

Castrol Syntilo 22 is developed for surface, cylindrical, double disk and centreless grinding. It is also recommended for light machining operation on ferrous metals and for grinding of glass and ceramics.

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

	Cast Iron	Low - Medium Alloyed Steel	Medium - High Stainless Steel	Aluminium Alloys	Magnesium Alloys	Yellow Metals
Grinding	ü ü	ü	ü			
Milling, Turning (general machining)	ü	ü				
Drilling						
Reaming, Tapping						
Broaching						

Advantages

- Low foam in recommended water conditions (see details below)
- Extended fluid life can help to reduce maintenance and downtime
- Formulated without formaldehyde releasing agent and boron which helps to fulfil aspects of legislative and waste treatment requirements where applicable
- Being a true solution, it allows glass and ceramic swarf, generated during grinding to drop out to help generating superior finish.

Typical Characteristics

	Test Method	Unit	Value
<u>Concentrate</u>			
Appearance	Visual		Light Yellow
Mineral oil content	Calculated	Wt%	0
<u>Solution</u>			
Appearance	Visual		Transparent
pH (3%)	DIN 51369 ASTM E70-97		9.6
Refractometer Factor			2.7

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding : 2 – 3%

Machining : 2 – 5%

Water range : 0 - 400 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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