



Syntilo 9730

Synthetic cutting and grinding metalworking fluid

Description

Castrol Syntilo® 9730 is a synthetic cutting and grinding metalworking fluid formulated without mineral oil and formaldehyde releasing agents. It contains an additive package that provides good corrosion protection to machine tools and parts. The fluid also provides excellent product stability which helps to lower the overall operational costs.

Syntilo 9730 is suitable for large central systems and single sump machines.

Application

Syntilo 9730 is developed for surface, cylindrical, double disk and centerless grinding and light machining applications,

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	Aluminum alloys	Titanium alloy	Tungsten Carbide
Grinding	ü ü	ü ü	ü			
Milling, Turning (general machining)	ü	ü				
Drilling	ü	ü				
Reaming, Tapping	ü	ü				
Broaching						

Advantages

- Extended fluid life can help to reduce maintenance and downtime
- Low foam in recommended water conditions (see details below)
- Rejects tramp oil to the surface of the fluid for easy removal
- Settles chips quickly to prevent grinding wheel build-up and maintain a clean working environment
- Formulated without formaldehyde releasing agents which help you to fulfill aspects of legislative and waste treatment requirements where applicable

Typical Characteristics

	Test Method	Unit	Value
<i>Concentrate</i>			
Color	Visual		Light Yellow
Mineral oil content		Wt%	0
<i>Solution</i>			
Appearance	Visual		Transparent
pH (5%)	DIN 51369 ASTM E70-97		9.0
Refractometer Factor		BRIX Multiplier	2.1

Subject to usual manufacturing tolerances.

Recommended Concentrations

Grinding: 5-6%
General machining: 5 - 8%
Severe machining: 9-12%

Water Range 0 - 350 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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