



Product Data

Honilo 971

High performance neat cutting oil

Description

Castrol Honilo™ 971 is chlorine and heavy-metal free neat cutting oil especially formulated with a unique combination of ester, extreme pressure (EP) additives and base oil to optimise machining performance, enhance surface finish and lower the overall operating costs.

Honilo 971 is suitable for use in central systems as well as individual machines.

Application

Honilo 971 has been designed for severe honing and superfinishing of ferrous and non-ferrous materials using CBN and diamond tools. It can also be used for grinding applications, deep drilling and general machining of ferrous and non ferrous metals.

Honilo 971 is compatible with yellow metals.

	Cast Iron	Low-medium alloyed steel	High alloyed steel / nickel-chromium alloys	Titanium alloys	Aluminum alloys	Yellow metals
Honing/ Superfinishing	ü	ü	ü		ü	ü
Grinding	ü	ü	ü		ü	ü
Drilling	ü	ü	ü		ü	ü
Broaching/ Gear manufacturing	ü	ü			ü	ü
General machining	ü	ü	ü		ü	ü

Advantages

- Low foam characteristics, even at high pressures and flow rates, lead to increased production rates
- Superior additive technology leads to high honing and grinding efficiencies, increased tool life, improved surface finish and lower overall operating costs
- Low viscosity and excellent wetting characteristics reduce drag out and result in lower product usage
- Good filtering characteristics and high oxidation stability increase product lifetime
- Low odour and light colour results in high operator acceptability
- Our chlorine and heavy-metal free formulation improves the environmental profile and reduces disposal costs

Typical Characteristics

Name	Method	Units	
Appearance	Visual		Yellow
Viscosity at 40°C	DIN 51562	mm²/s	8.2
Viscosity at 100°F	ASTM D 446	[SUS]	52.6
Density at 15°C	DIN 51757 ASTM D 1298		857
Flashpoint COC	ISO 2592	°C	> 125

Name	Method	Units	
	ASTM D 92	°F	> 257
Copper corrosion	ISO 2160 ASTM D 130		1b

Additional Information

	ester	active sulphur	inactive sulphur	phosphorous	calcium	Chlorine	zinc
Additives	ü	ü	ü	ü			

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20 Jan 2011
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