



Product Data

Honilo 981

High performance neat cutting oil

Description

Castrol Honilo™ 981 is a chlorine free low viscosity neat cutting oil, which is sulphur and heavy metal free.

Application

Honilo 981 is designed for honing and superfinishing of ferrous and non-ferrous metals. It can also be used for grinding applications, drilling and general machining of aluminium and yellow metals.

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

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

Advantages

- Excellent flushing and lubrication properties extend honing stone life and enable high surface finish and dimensional accuracy
- Low viscosity and excellent wetting characteristics reduces drag out and results in lower product usage
- Good filtering characteristics and high oxidation stability increase product lifetime
- Our chlorine and heavy metal free formulation improves the environmental profile and reduces disposal costs
- Low odour, light colour and low mist result in operator acceptability

Typical Characteristics

Name	Test Method	Unit	Honilo 981
Appearance	Visual	-	Yellow
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	kg/m ³ - lbs/gal	831 - 6.94
Kinematic Viscosity @ 40°C / 104°F	ASTM D446 / ISO 3104	mm ² /s	4.8
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	>125 / >255
Copper corrosion (3 hrs@100°C/212 °F)	ASTM D130 / ISO 2160	Rating	1b

Typical Physical Characteristics

	Ester	Active Sulphur	Inactive Sulphur	Phosphorous	Calcium	Chlorine	Zinc
Additives	ü						

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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08 Dec 2014
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