

Variocut G 408 HC

High performance neat cutting oil

Description

Castrol Variocut™ G 408 HC is chlorine and heavy-metal free neat cutting oil based on the latest generation of Extreme High Viscosity Index (EHVI) hydrocracked base oils.

Variocut G 408 HC can be used in both individual machines and centralised systems.

Application

Variocut G 408 HC is especially designed for hard metal grinding and tungsten carbide grinding with diamond wheels. It can also be used for light duty grinding, drilling and general machining of aluminium and yellow metals. In order to maximise product performance, it is recommended that adequate filtration system is used.

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

Advantages

- Low oil mist and foam characteristics, even at high pressures and flow rates, lead to a reduction in oil consumption and increased production rates
- Superior additive technology leads to very low cobalt leaching tendency, improved grinding performance and cleaner grinding wheels
- 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
- Our chlorine and heavy-metal free formulation improves the environmental profile and reduces disposal costs
- Low odour, light colour and low mist qualities result in high operator acceptability

Typical Characteristics

Name	Method	Units	Values
Appearance	Visual		Clear, colorless
Viscosity at 40°C	DIN 51562	mm ² /s	7.7
Viscosity at 100°F	ASTM D 446	SUS	51
Density at 15°C	DIN 51757 ASTM D 1298		834
	Calculated	lbs/gal	6.94
Flashpoint COC	ISO 2592	°C	> 160
	ASTM D 92	°F	> 320
Copper corrosion	ISO 2592 ASTM D 130		1b

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