

## Castrol Variocut B 40

High performance neat cutting oil

### Description

Castrol Variocut™ B 40 is high performance chlorine free neat cutting oil especially formulated with advanced additive technology and superior base oil to enhance machining performance, improve tool life and reduce overall operating costs.

### Application

Variocut B 40 is designed for severe broaching of stainless steels and difficult to machine high tensile steel alloys. It is also suitable for gear hobbing, gear cutting and gear shaping. Variocut B 40 does not contain active sulphur and is compatible with yellow metals as well.

	Cast Iron	Low-medium alloyed steel	High alloyed steel /nickel-chromium alloys	Titanium alloys	Aluminum alloys	Yellow metals
Honing/Superfinishing						
Grinding						
Drilling						
Broaching/ gear manu	✓	✓	✓		✓	✓
General machining	✓	✓	✓		✓	✓

### Advantages

- Advanced additive technology gives high extreme pressure (EP) and lubricity properties and lowers production costs through extended tool life
- Improved surface finish and increased cutting speeds leads to improvement of process efficiency
- Multi-metal machining using our superior additive technology provides opportunity for product consolidation
- Chlorine and heavy metal free formulation improves the environmental profile and reduces disposal costs

### Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual	Visual	Grey, hazy
Viscosity @ 40°C	DIN 51562	mm <sup>2</sup> /s	18 - 24
Viscosity@ 100°F	ASTM D 446	[SUS]	89.5 – 115.4
Density @ 15°C	DIN 51757 ASTM D 1298	kg/m <sup>3</sup>	912
	Calculated	lbs/gal	7.59
Flashpoint	ISO 2592	°C	>180
	ASTM D 92	°F	>358
Copper corrosion	ISO 2160 ASTM D 130	3 h at 100°C	1b

	ester	active sulphur	inactive sulphur	phosphorous	calcium	chlorine	zinc
Additives	✓				✓		

## Storage

To avoid product deterioration, keep the container/drum tightly sealed always. Prevent any frost and water ingress. Store it in a cool and dry place away from direct sunlight. It is preferable to store the product indoors always.

For more details, please refer the product safety data sheet.

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