



Product Data

## Ilocut 482

High performance neat cutting oil

### Description

Castrol Ilocut™ 482 is a medium viscosity, chlorinated neat cutting oil.

### Application

Ilocut 482 is designed for general machining, grinding and broaching of cast iron to high alloy steels and non-ferrous metals.

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

### Advantages

- Advanced additive technology gives high extreme pressure (EP) 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

## Characteristics

	ester	active sulphur	inactive sulphur	phosphorous	calcium	chlorine	zinc
Additives	+	-	-	-	-	+	-

## Typical Physical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual	Visual	Yellow
Viscosity @ 40°C	DIN 51562	mm <sup>2</sup> /s	19
Viscosity@ 100°F	ASTM D 446	[SUS]	104
Density @ 15°C	DIN 51757 ASTM D 1298	kg/m <sup>3</sup>	882
	Calculated	lbs/gal	7.36
Flashpoint	ISO 2592	°C	>180
	ASTM D 92	°F	>355
Copper corrosion	ISO 2160 ASTM D 130	3 h at 100°C	1b

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Castrol (UK) Limited, PO BOX 352, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW  
Orders/Enquiries: 0345 9645111 Technical Enquiries: 0345 082 1719  
[www.castrol.com/industrial](http://www.castrol.com/industrial)