

## Castrol Ilocut 486

High performance neat cutting oil

### Description

Castrol Ilocut™ 486 is a medium viscosity, chlorinated neat cutting oil.

### Application

Ilocut 486 is designed for general machining, grinding, broaching and gear manufacturing of high alloyed 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

## Typical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual	Visual	Yellow
Viscosity @ 40°C	DIN 51562	mm <sup>2</sup> /s	20
Viscosity@ 100°F	ASTM D 446	[SUS]	98
Density @ 15°C	DIN 51757 ASTM D 1298	kg/m <sup>3</sup>	915
	Calculated	lbs/gal	7.64
Flashpoint	ISO 2592	°C	>180
	ASTM D 92	°F	>355
Copper corrosion	ISO 2160 ASTM D 130	3 h at 100°C	1b

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

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