

Ilocut 154

High Performance Neat Cutting Oil

Description

Castrol Ilocut™ 154 is a chlorine and heavy metal free neat cutting oil.

Application

	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	✓	✓	-	-	✓	✓

Ilocut 154 is designed for general machining of medium alloyed steel and non-ferrous metals.

Advantages

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

Typical Physical Characteristics

Properties	Standard	Unit	Data
Appearance	Visual	Visual	Brown
Viscosity @ 40°C	DIN 51562	mm ² /s	35
Viscosity@ 100°F	ASTM D 446	[SUS]	184
Density @ 15°C	DIN 51757	kg/m ³	877
	ASTM D 1298		
Flashpoint COC	Calculated	lbs/gal	7.32
	ISO 2592	°C	>190
Copper corrosion	ASTM D 92	°F	>370
	ISO 2160	3 hr at 100°C	1b
	ASTM D 130		

Additional Information

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

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