



Product Data

Castrol Ilocut 154

High-performance neat cutting oil

Description

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

Application

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

	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

- Advanced additive technology gives high extreme pressure (EP) lubricity properties, and can help lower production costs through extended tool life, improved surface finish and increased cutting speeds.
- Improved surface finish and increased cutting speeds help improve 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 Characteristics

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

	Ester	Active sulphur	Inactive sulphur	Phosphorous	Calcium	Chlorine	Zinc
Additives	+	-	+	-	-	-	-

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18/12/2006, version 1.0

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