



## Product Data

# Castrol Ilocut 5770

## High Performance Neat Cutting Oil

### Description

Castrol Ilocut™ 5770 is a high viscosity dual purpose neat cutting oil which is chlorine and heavy metal free. It is especially formulated with a unique combination of sulfur based EP additives and boundary lubricants to optimize machining performance, enhance surface finish, and lower the overall operating costs.

It can be used in single sump machines and large central systems.

### Applications

Ilocut 5770 is especially designed for general machining of high alloyed steel, stainless steel and difficult to machine alloys. It can also be used for broaching and gear manufacture; and for form grinding of stainless and tool steels. It is also suitable as a stamping and metal forming oil for steel and stainless steel.

Ilocut 5770 does not contain active sulfur and is compatible with yellow metals.

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

### Advantages

- Our chlorine and heavy metal free formulation improves the environmental profile and reduces disposal costs.
- High dosage of boundary lubricants result in extended tool life, superior finish and economical performance.
- Good filtering characteristics and high oxidation stability increase product lifetime.

## Typical Technical Characteristics

	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Dark Red
Specific Gravity	@ 60°F (15.6° C)	CN-TM-084	0.96
Viscosity	SUS @ 100F	CN-TM-101	262
Flash Point	COC °F	CN-TM-039	395
Bulk Density	Lbs/gal	-	7.9
Copper Corrosion	-	ASTM 130	1B
Chlorine	-	CN-TM-012	No
Fat	-	MW-TM-321	Yes
Sulfur	-	CN-TM-096	Yes
Active Sulfur	-	CN-TM-151	No

## User advice

Consult your Castrol Sales Engineer for questions regarding compatibility.

Castrol Illocut 5770  
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