



Product Data

Castrol Ilocut® 5720

Chlorine-Replacement Cutting & Grinding Oil

Description

Castrol Ilocut 5720 is a fully compounded, medium viscosity cutting oil that uses Castrol's chlorine replacement technology, in combination with sulfurized extreme pressure additives and boundary lubricants, to make a versatile general purpose machining and grinding oil for ferrous metals, stainless steels and titanium alloys. This is a clean, clear blue-green oil that is ideal for combination operations on multi-spindle automatics and turret lathes. It is a good choice for precision, fine finish work on centerless grinders and crush-dress form grinders where it keeps grinding wheels clean, open and free-cutting for maximum rates of stock removal and economical grinding ratios. Because Ilocut 5720 contains active EP sulfur, copper and brass, work should be cleaned soon after machining to prevent staining.

Application

- Centerless grinding
- Drilling
- Milling
- Screw machining
- Turning

Advantages

- Chlorine replacement oil - for cost savings when disposing of parts' cleaning solutions and waste oil.
- Excellent tool life - for best finishes and minimum down-time to change cutters or dress grinding wheels.
- Versatile, medium viscosity for all-around shop use - recommended for manufacturing aerospace fasteners and precision parts.
- Highly foam resistant - inhibited to prevent foam when used at high speeds and in high pressure applications.
- Pleasant to use - attractive, clear, blue color with clean, fresh citrus odor.
- Easy to clean off parts - with conventional mild alkaline cleaners or petroleum solvents.

Characteristics

	Unit	Test Method	Value
Appearance	-	CN-TM-074	Blue liquid
Specific Gravity	@ 60° F (16° C)	CN-TM-084	0.88
Viscosity	SUS @ 100° F (38° C)	-	140
Viscosity	cSt @ 40° C (104° F)	CN-TM-101	28
Bulk Density	lbs/gal	-	7.4
Flash Point	COC, ° C/° F	CN-TM-039	385° F (196.11° C)
Copper Corrosion	-	ASTM 130	4c
Chlorine	-	CN-TM-012	No
Fat	-	MW-TM-321	Yes
Sulfur	-	CN-TM-0196	Yes
Active Sulfur	-	CN-TM-151	Yes

User advice

Ilocut 5720 is recommended for use on all ferrous metals. May stain copper alloys. Consult your Castrol Sales Engineer for questions regarding compatibility.

Castrol Ilocut 5720
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