www.Oil18.ru, t/faks(3412)902-313, 902313@inbox.ru



Product Data

Castrol Ilocut® 5770

Chlorine-Replacement Cutting & Grinding Oil

Description

Castrol llocut 5770 uses Castrol's chlorine replacement technology to provide a heavy duty, medium-heavy viscosity, dual-purpose cutting oil for machining and grinding of stainless steels, the difficult-to-machine high alloy steels, copper alloys and the specialty high-strength alloys. This clear, red, chlorine replacement oil features high levels of extreme pressure and boundary lubricity, making it especially effective for broaching, gear hobbing, shaping and shaving, and for combination operations on turret lathes and automatics. It can even be used for cold heading upsetting operations. It is also recommended for form grinding, especially crush-form grinding of stainless and tool steels. Excellent wetting properties keep hard, fine-grain grinding wheels open and free-cutting, promoting economical grinding ratios and fine finishes. Ilocut 5770 is a good choice for use with CBN (Borazon) grinding wheels operating at high wheel speeds.

Ilocut 5770 is a nonstaining oil recommended for use as a dual-purpose oil in screw machines, bar automatics and other machine tools that require a single oil to serve as both machine lubricant and cutting oil. Finished parts are easily cleaned by vapor degreasing, solvent wash or conventional alkaline cleaners.

Application

- Broaching
- · Centerless grinding
- Cold heading
- Form grinding
- Gear making
- Honing
- Tapping
- Threading

Castrol Ilocut 5770 is a dual-purpose fluid that can also be used as a hydraulic fluid.

Advantages

- Chlorine replacement oil for cost savings in recycling or disposal.
- Heavy-duty performance for extended tool life, fine finishes and economical performance.
- High level boundary lubricity for low-clearance tooling and form grinding.
- Nonstaining to copper, brass, aluminum and ferrous alloys.
- The right viscosity for machine tool gear boxes and general lubrication.
- Suitable for use as a stamping and metal forming oil for steel and stainless steels.

Characteristics

	Unit	Test Method	Value
Appearance	-	Visual	Clear Dark Red Fluid
Specific Gravity	@ 60 °F (16 °C)	-	0.94 - 0.96
Viscosity	SUS @ 100 °F (38 °C)	CN-TM-101	250 – 275
Viscosity	cSt @ 40 °C (104 °F)	CN-TM-101	54.8
Flash Point	COC °F/°C	CN-TM-039	395 °F (201 °C)
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 Ilocut 5770 03.09.2005, Version Number 2.0 Ilocut 5770 and the Castrol logo are trademarks of Castrol limited.

All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Ltd products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

Castrol Industrial North America Inc. 150 West Warrenville Road, 605 3E Naperville, IL 60563 Tel: (877) 641 1600 Fax: (877) 648 9801

www.castrol.com/industrial