

Product Data

Castrol Ilocut[®] 170

Description

Machining operations which benefit from the application of this cutting oil are principally those which yield very fine swarf or involve cutting parts of intricate shape. In both these cases, **Castrol Ilocut[®] 170** is welcomed as a highly mobile, production oil which has a rapid flushing action and good anti-weld properties. The latter feature is due to the chlorinated additive present and results in improved cutting performance on precision, high speed production on automatic lathes.

The problem of fine swarf is never far from cutting operations on non-ferrous alloys and for this reason, **Castrol Ilocut[®] 170** is very useful when drilling, milling and boring aluminium alloys, phosphor bronzes and nickel alloys. This oil adequately services those deep hole boring operations which require pressurised delivery of the cutting fluid to clear swarf effectively. Honing is another machine shop operation with special lubricant requirements, and engineers may wish to know that **Castrol Ilocut[®] 170** performs well as a honing fluid.

Performance Benefits

- Excellent flushing ability due to its low viscosity properties
- Extends wheel and honing stone life.
- Excellent tool life on ferrous and non-ferrous metals.
- Consistently high surface finish and dimensional accuracy
- Versatile product which can be used in many applications.

Recommended Applications

Castrol Ilocut[®] 170 is recommended for precision automatic lathe work on steels. Deep hole drilling and boring on steels, nickel alloys and other non-ferrous metals. **Castrol Ilocut[®] 170** is also an excellent fluid for heavy duty honing operation.

Castrol Industrial

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Typical Characteristics

Castrol	Ilocut [®] 170
Colour	Dark Amber
Density @ 15°C	0.853
Kinematic Viscosity @ 40°C, cSt	11.0
Closed Flash Point, °C	156
Sulphur % wt	B
Chlorine % wt	B
Fat % wt	E
Copper Corrosion (100°C @ 3 Hrs)	1a

(A : <1 % B : 1 - 3 % C : >3 - 9 % D : >9 -20 % E : >20 %)

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 Industrial North America Inc. products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

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