



Product Data

ILOCUT 482

Issue Number 2
18/10/2002

Neat Cutting Oil

DESCRIPTION

Castrol Ilocut 482 is a mineral oil based neat cutting oil with chlorinated additives

APPLICATION

Castrol Ilocut 482 can be used for general use on automatic lathes, in production thread grinding and form grinding operations, both with high tensile ferrous and non-ferrous materials. Many production engineers prefer the paler cutting oils, provided tool life and cutting performance are not sacrificed in any way. Ilocut 482 is a general duty cutting oil giving the best of both worlds. By including chlorinated and fatty matter (instead of the normal, dark, sulphurised additive present in many heavy duty cutting oils), the cutting tools are adequately protected against premature dulling and a smooth chip take-off is assured. There is the further advantage that as a chlorine additive is responsible for extreme pressure properties in this blend, machine tool operators have the benefit of full adaptability in Castrol Ilocut 482 for cutting either ferrous or non-ferrous materials. This choice does not exist with most sulphurised cutting oils because of the risk of sulphur tarnish on the finished components, if these are produced from any of the copper-bearing alloys.

Another interesting feature is that Castrol Ilocut 482 may be used on a dual purpose basis as machine tool lubricant and cutting fluid provided speed, load and design conditions are appropriate. In this respect, it is suggested that users consult our technical staff beforehand. Apart from its application to automatic and multi-tool lathes handling the higher tensile steels, Castrol Ilocut 482 is suitable for application to such specialised operations as production thread grinding, form grinding and milling set-ups which use multiple cutters. Guard against water entry.

FEATURES

- ◆ Chlorinated and fatty additives

BENEFITS

- ◆ Protects against premature dulling and a smooth chip take-off is assured.



Product Data

ILOCUT 482

TYPICAL PHYSICAL CHARACTERISTICS

Appearance	Pale Yellow, clear
Relative Density @ 20°C	0.885
Viscosity Kinematic @ 40°C, cSt	19.0
Flash Point, °C (PMCC)	190

Health and Safety information sheets are available for all Castrol products from the address below:
**Castrol (U.K.) Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, England, Telephone:
Orders/Enquiries (08459)645111, Technical Enquiries (01793)452111, Fax (01793)491442**

2 of 2

All reasonable care has been taken to ensure that the information contained in this publication is accurate as at the date of printing. It should be noted however that the information above may be affected by changes occurring subsequent to the date of printing in the blend formulation or methods of application of any of the products referred to or in the requirements of any specification approval relating to any such products.