

Premium Quality Soluble Cutting Fluid

DESCRIPTION

Castrol Hysol G has been formulated using high performance additives to ensure exceptional steel cutting characteristics.

APPLICATION

The additives also allow the product to be used on a wide variety of other metals including aluminium, stainless steel and copper containing materials. The product has a natural tendency to reject tramp oil which overcomes problems associated with its ingress into soluble cutting fluids. Also the use of advanced additive technology to control fungal and bacterial growth ensures exceptional bath life and means the product can be used equally well in Central systems or single sump machines and reduces the need for fluid maintenance.

FEATURES

- ◆ High performance additives
- ◆ Multi-purpose product
- ◆ Advanced additive technology
- ◆ Chlorine-free

BENEFITS

- ◆ Improved tool-life, surface finish
- ◆ Reduces need for different products,
- ◆ Reduces down time when changing metals to be machined
- ◆ Reduced need for product maintenance
- ◆ Long bath life
- ◆ Environmentally acceptable

For maximum service life, coolant systems should be cleaned and sterilised by treatment with Castrol System Cleaner before changing to Hysol G. Treatment entails the addition of approximately 1% System Cleaner to the previous charge of coolant the day before it is due to be discarded. For full details see the Product Data Sheet for Castrol System Cleaner.



TYPICAL PHYSICAL CHARACTERISTICS

Concentrate

Appearance	-	Amber
Density at 20°C kg/m ³	-	1.002

Emulsion

Appearance	-	Translucent/white liquid
pH at 3% Concentration	-	9.1 - 9.4
Refractometer Correction Factor	-	1.24

RECOMMENDED CONCENTRATIONS

Material	Cast Iron	Low Tensile Steels	Medium Tensile Steels	Non Ferrous
Operation				
Boring	3%	3%	4%	3%
Drilling	3%	3%	4%	3%
Grinding	3%	3%	3%	3%
Milling	3%	3%	3%	3%
Sawing	4%	4%	5%	3%
Screw Cutting	4%	4%	5%	4%
Tapping	4%	4%	5%	4%
Turning	3%	3%	3%	3%

ADDITIONAL INFORMATION

Note that if the concentration of Hysol G should become too high, above a maximum of 10%, not only will the emulsion become unstable but there is also the possibility of skin complaints among operators.

Health and Safety information sheets are available for all Castrol products from the address below.

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