

Semi Synthetic Soluble Metal Working Fluid

DESCRIPTION

Castrol Alusol A is a high performance soluble cutting fluid specifically formulated for machining aerospace aluminium alloys (2000, 5000, 6000 and 7000 series) without the staining problems that are encountered with conventional soluble cutting fluids.

APPLICATION

Castrol Alusol A is suitable for all machining operations including grinding. Its value is shown particularly in high speed machining tasks such as profile milling and also in turning, drilling, reaming and tapping. Castrol Alusol A can also be used on aluminium silicon alloys such as LM25 and ferrous metals. It is therefore ideally suited to manufacturing operations where aluminium alloys predominate but where other metals are machined.

FEATURES

- ◆ Contains lubricity additives
- ◆ Corrosion inhibited
- ◆ Resists bacterial and fungal infections
- ◆ Excellent wetting properties
- ◆ Versatile
- ◆ Low odour and pleasant to use
- ◆ Chlorine, nitrite and phenol free
- ◆ Stable in use

BENEFITS

- ◆ Excellent machining performance, improved surface finish
- ◆ Non staining of components, no corrosion of machines and fixtures
- ◆ Extended coolant life
- ◆ Reduced coolant drag out, clean machine tools and components
- ◆ Suitable for mixed metal machining
- ◆ Operator friendly
- ◆ No disposal problems after splitting
- ◆ Performance maintained throughout coolant life - consistent component quality



TYPICAL PHYSICAL CHARACTERISTICS

Concentrate Appearance	Amber
Emulsion Appearance	Semi-translucent
Relative Density @ 20°C	0.989
pH @ 5% Concentration	8.9
Refractometer Correction Factor	1.05
Recommended Concentrations	-
Grinding	4%
General Machining	5 - 8%
Reaming and Severe Operations	8 - 12%

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

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