

### ***Synthetic Soluble Cutting Fluid***

#### DESCRIPTION

Castrol Syntilo XPS is a high performance, long life, fully synthetic metalworking fluid meeting Ford Specifications.

#### APPLICATION

It has been developed to maximise production efficiency by allowing higher machining speeds and feed rates, particularly with difficult to machine stainless and heat resistant alloys. Syntilo XPS gives excellent performance in heavy duty machining operations, allowing it to replace neat oils in several applications, without compromising surface finish or tool life.

#### FEATURES

- ◆ Syntilo XPS contains a unique blend of synthetic performance additives, polar lubricating agents, synthetic corrosion preventives and special soaps to give an oil-free synthetic product with superior lubricating and cooling properties. These features allow higher machining speeds and feeds to be achieved without detriment to surface finish or increasing cutting tool coolant consumption.
- ◆ Syntilo XPS has an extremely long sump life due to its outstanding resistance to bacterial and fungal infections. In consequence fluid maintenance is reduced as no biocide addition is required. Additionally there is greater machine availability and disposal costs are reduced as a result of the smaller volume of effluent generated.
- ◆ Syntilo XPS has excellent wetting properties which give the dual benefits of improved cooling performance and low coolant losses through drag-out. Weekly top-up rates for Syntilo XPS are typically less than half those for conventional soluble oils. In addition to reducing coolant consumption this also reduces the need for washing components after machining and improves operators working conditions.
- ◆ Syntilo XPS is resistant to foaming, even in soft water, and totally rejects mineral oil, allowing effective skimming of any separated tramp oil.
- ◆ Syntilo XPS is operator friendly, having a pleasant odour, is non-irritant and has no defatting action on the skin. It is also free from chlorine, phenols and nitrites.



**TYPICAL PHYSICAL CHARACTERISTICS**

<b>Concentrate</b>	-
Appearance	Clear Yellow Liquid
Relative Density @ 20°C	1.08
Refractometer Correction Factor	1.4
<b>Solution</b>	-
Appearance	Clear Liquid
pH at 5% Concentration	8.7

**RECOMMENDED CONCENTRATIONS**

Between 5% and 10% dependent upon application.

**ADDITIONAL INFORMATION**

For maximum service life, coolant systems should be cleaned and sterilised by treatment with Castrol Flexiclean before changing to Syntilo XPS.

Treatment entails the addition of approximately 1% Castrol Flexiclean to the previous charge of coolant the day before it is due to be discarded. For full details see the product datasheet for Castrol Flexiclean.

Health and Safety information sheets are available for all Castrol products from the address below.  
Castrol International, Pipers Way, Swindon, Wiltshire SN3 1RE, England., Telephone: Enquiries  
+44 (0)1793 512712, Technical Enquiries +44 (0)118 984 3311, Fax +44 (0)1793 453218

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.

