

Product Data

Castrol Syntilo[®] 25

Synthetic Grinding Fluid

Description

Creep Feed Grinding is a method of metal removal which is becoming more and more widely used. In the earlier machines, which supply coolant at moderate pressures, ie 3-6 atmosphere, conventional soluble oils gave very satisfactory results. However, the most modern machines, such as those built by Elb-Schliff and by Marbaix, feed the fluid to the grinding wheel at very high pressure, ie 9-13 atmosphere.

These advanced Creep Feed Grinding machines require a coolant which not only allow a very good finish to be achieved; gives a long wheel life; prevents corrosion, but is also highly resistant to foam and minimises mist build up in workshops.

Castrol Syntilo[®] 25 is a synthetic, nitrite free grinding fluid, which is Castrol's latest answer to these problems. It may be used both for Creep Feed and general grinding with no inclination to foam or mist. **Castrol Syntilo[®] 25** is compatible with both ferrous and non-ferrous metals.

Performance Benefits

- Extends grinding wheel life.
- Good anti-corrosion property coupled with a high resistance to bacterial attack.
- Suitable for a wide range of materials.
- Long coolant sump life and helps to reduce downtime.

Recommended Dilution

Creep Feed Grinding	3 – 5%
General Grinding	3 – 4%

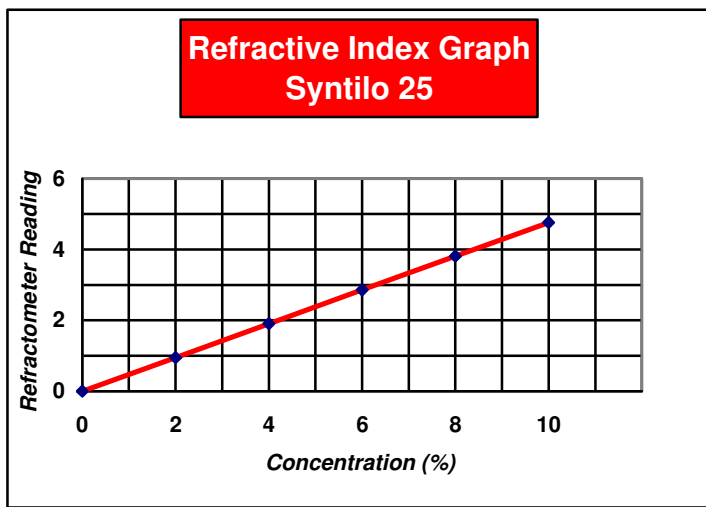
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Typical Characteristic

Castrol	Syntilo® 25
Appearance of Concentrate	Clear Fluorescent Green
Appearance of Emulsion	Clear Fluorescent
Density @ 15°C	1.080
pH of Emulsion @ 2%	10.0
Corrosion Test @ 2% (IP287)	Pass
Chlorine	Nil
Nitrites	Nil
Refractive Index	2.1



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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