



Castrol Iloform TRS 30T

Soluble forming fluid

Description

Castrol Iloform™ TRS 30T is a soluble oil roll forming fluid intended for use on both structural and mechanical tube mills. Its high oil content gives outstanding lubrication for the most demanding operations. Iloform TRS 30T is free of chlorine, boron, and nitrites.

Application

Iloform TRS 30T is designed to meet the requirements of hot-rolled, cold-rolled, and galvanised steel tube forming.

Iloform TRS 30T is also suitable for multi metal operations in drawing, turning, drilling, and milling operations.

Iloform TRS 30T can be run effectively between 6% and 10% in water.

Advantages

- Forms a stable emulsion in hard or soft water.
- Provides corrosion protection on steel and zinc substrates.
- Good multi metal suitability, including aluminum alloys.
- Excellent lubricity to extend roll life.
- Effective biocide system provides good sump life.

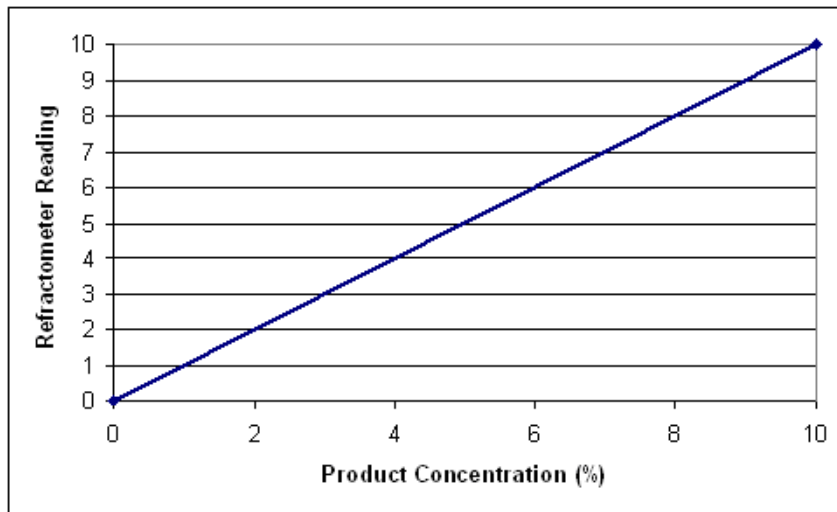
Typical Characteristics

	Test Method	Unit	Value
Appearance of Concentrate	Visual	–	Clear brown liquid
Appearance of Dilution	Visual	–	Milky white emulsion
pH of dilution @ 5%	ASTM E70-97 DIN 530T1	@ 5%	9.0 – 10.3
Specific Gravity	ASTM D1298 DIN 51757	@ 86°F (30°C)	0.87 – 0.89
Bulk Density	ASTM D1298	lbs/gal	7.3
	DIN 51757	kg/m ³	878

Boron Free	Lubricity Additive	Formaldehyde Free
✓		

Concentration Control

The concentration of the Iloform TRS 30T can be easily measured with an Atago Model N1 refractometer. The graph is a linear regression of actual readings from laboratory tests on laboratory prepared samples. It is important to realise that refractometer readings are dependent upon the type of refractometer and water used.



User Advice

When charging a system, introduce the Iloform TRS 30T into the water to ensure proper formation of the emulsion. Pressure filters or gravity filters are recommended for best results.

Iloform TRS 30T can be removed using solvent or mild alkaline cleaners.

Castrol, Iloform TRS, and the Castrol logo are trademarks of Castrol Limited, used under licence

INTERNATIONAL 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 Ltd products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

Castrol Limited, Pipers Way, Swindon, Wiltshire SN3 1RE, UK
www.castrol.com/industrial