



Product Data

Iloform TRS 186

Synthetic Forming Fluid

Description

Iloform™ TRS 186 is a synthetic, oil-dispersing fluid designed to meet the requirements of mechanical tube forming. Iloform TRS 186 features exceptional detergency to keep tubes and forming rolls free of mill oil and scale and extended rust protection. Its unique formulation provides excellent lubrication without tube slippage on the mill rolls.

Applications

Iloform TRS 186 is designed to meet the requirements of carbon steel mechanical tube forming.

Iloform TRS 186 can be run effectively between 6% and 10% in water.

Advantages

- Washes mill oil and scale from tubes and forming rolls with excellent detergency.
- Offers corrosion resistance that is better than typical tube mill fluids for improved quality and appearance.
- Fluid carries away mill scale and tramp oils; later rejects tramp oils for easy skimming or filtration.
- Remains stable in both hard and soft water conditions; prevents selective depletion of key fluid components.
- Exceptional bioresistance provides long central system life in high contamination environments.
- Good wetting action reduces drag-out; excellent heat transfer characteristics to improve product quality and reduce roll wear.

Typical Technical Characteristics

	Unit	Test Method	Value
Appearance of Concentrate	-	Visual	Clear, colorless to light amber liquid
Appearance of Dilution (10%, 125 ppm water)	-	Visual	Clear, colorless to light amber liquid
pH of dilution @ 5%	-	ASTM E70-97	8.7 – 9.3
Specific Gravity @ 60°F	-	ASTM D 1298	1.05 – 1.07
Bulk Density	lbs/gal	ASTM D 1298	8.8

Boron Free	Lubricity Additive	Formaldehyde Free
		✓

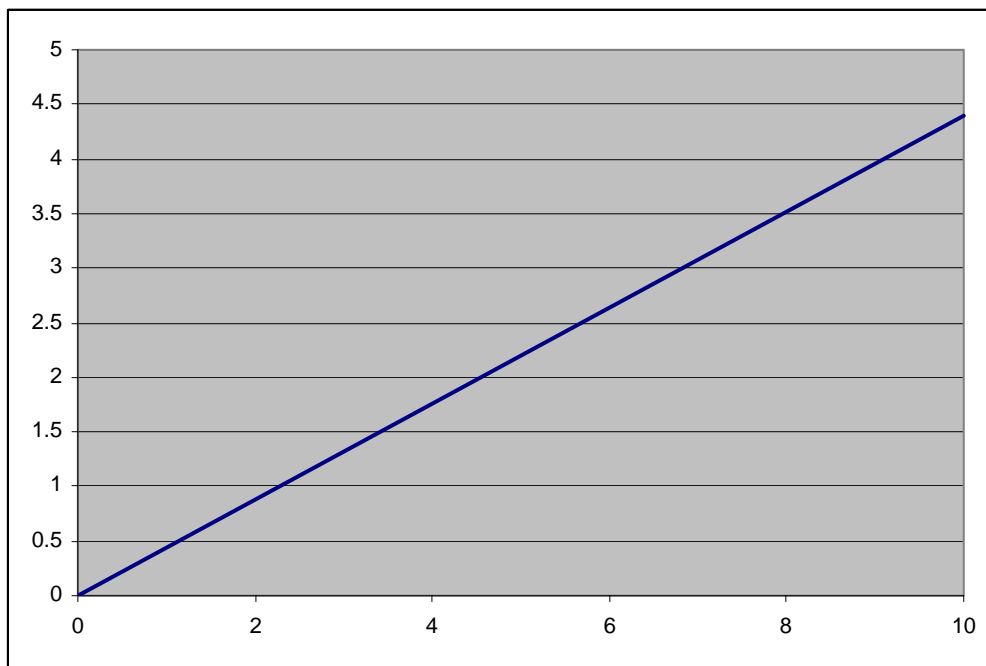
User Advice

Iloform TRS 186 can be easily removed with alkaline cleaners.

Pressure filters or gravity filters are recommended for best results.

Concentration Control

The concentration of the Iloform TRS 186 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 realize that refractometer readings are dependent upon the type of refractometer and water used. Atago Model N1 refractometers are available through Castrol Industrial North America Inc



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