



Product Data

Castrol Syntilo® E-55 Synthetic Grinding Fluid

Description

Castrol Syntilo E-55 is a synthetic, oil-rejecting fluid ideally suited for Blanchard grinding. Yet, it is very versatile. Syntilo E-55 exhibits superior foam control, making it the perfect choice for a variety of surface grinding operations. With its concentrated solution of chemical rust inhibitors, Syntilo E-55 also provides exceptional corrosion protection.

Advantages

- Excellent foam control enhances cooling properties and eliminates messy foam-outs.
- Protects large surface areas from corrosion.
- Superior cooling provides better dimensional accuracy and extends wheel life.
- Settles chips quickly to reduce wheel loading.
- Low odor for greater operator acceptance.
- Formaldehyde-free to comply with health and safety regulations.

Characteristics

	Unit	Test Method	Value
Appearance of Concentrate	-	CN-TM-074	Clear orange-green fluid
Appearance of Dilution	stable 15 min	CN-TM-074	Transparent, bright yellow,
pH of Concentrate	-	CN-TM-069	9.6 - 10.0
pH of Dilution	@ 5%	CN-TM-069	9.0 - 9.6
Specific Gravity	@ 60°F (16°C)	CN-TM-086	1.059 - 1.079
Bulk Density	lbs/gal	-	9.1
Chlorine	-	-	No
Nitrites	-	-	No
Phenols	-	-	No
DSL approved (Canada only)	-	-	Yes

User advice

Syntilo E-55 is recommended for grinding of ferrous alloys. Consult your Castrol Sales Engineer for questions regarding compatibility.

Recommended Applications & Dilutions

Grinding: 3 - 5%

Additional Information

Concentration Control

% Concentrate	Refractometer Reading
3.0	1.0
5.0	1.6
7.0	2.2
10.0	3.2

This chart was prepared with dilutions in distilled water using an Atago Model N1A refractometer. The graph is a linear regression of actual readings from laboratory tests. Therefore, the line may not always begin at point 0,0 the absolute reading of distilled water. It is important to realize that refractometer readings are dependent upon the type of refractometer and water used. Atago Model N1A refractometers are available through Castrol Industrial North America Inc.

Castrol Syntilo E-55
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