

SCILIA 46 S



METALWORKING



TOTAL

Chlorine-free Cutting Oil for Severe Machining and Machine Tool Lubrication.

APPLICATIONS

- **SCILIA 46 S** is a low odor, non-staining, neat cutting oil dedicated to both ferrous and non-ferrous metals and to the lubrication of various machine parts: bearings, gears, and slideways.
- **SCILIA 46 S** is widely used on cutting operations such as screw cutting on copper alloys, aluminum, low carbon steels, medium, hard, and stainless steels, bronze, tin, nickel, high nickel steel, and heat resistant alloys. It is recommended for all general machining operations, heavy load and high speed operations, and on difficult to machine alloys.
- **SCILIA 46 S** can be utilized as a dual purpose oil in low pressure lube systems where cross contamination of cutting oil and lube oil is a problem.

ADVANTAGES

- Excellent anti-wear and extreme pressure performance.
- Promotes excellent surface finish.
- Excellent lubricity properties--Increases the tool life on a large scale of cutting parameters maintaining an additive layer on the chip / workpiece / tool surface.
- Excellent metal wetting ability.
- Non-staining.
- Very good oxidation resistance.
- Excellent compatibility with seals and paints.

TYPICAL CHARACTERISTICS	SCILIA 46 S
Appearance	Clear Yellow Liquid
Color, ASTM D-1500	1.0
Viscosity at 40°C, cSt	41.4 - 50.6
Density @ 60 °F, lbs./gal.	7.31
Specific Gravity @ 60/60 °F	0.878
Flash Point, COC, °F	380
Copper Strip Corrosion	1A-1B
Lubricity Content, %wt.	5.0
Sulfur Content, %wt.	1.0
Chlorine Content, %wt.	Nil

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