

# SCILIA 32 S



METALWORKING



**TOTAL**

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

## APPLICATIONS

- **SCILIA 32 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 32 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 32 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 32 S         |
|-----------------------------|---------------------|
|                             |                     |
| Appearance                  | Clear Yellow Liquid |
| Color, ASTM D-1500          | 1.0                 |
| Viscosity at 40°C, cSt      | 28.8 - 35.2         |
| Density @ 60 °F, lbs./gal.  | 7.27                |
| Specific Gravity @ 60/60 °F | 0.872               |
| 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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