

VALONA 142 S



METALWORKING



TOTAL

Chlorine-free Cutting Oil for Severe Machining.

APPLICATIONS

- **VALONA 142 S** is a chlorine-free, neat cutting and grinding oil ONLY dedicated to ferrous metals.
- **VALONA 142 S** is used on all cutting operations on all ferrous and ferrous alloy metals: turning, shaping, milling, grinding. NOT TO BE USED on copper alloy metals (stain risk on workpieces after cutting operations).
- Operations include: severe machining such as broaching, drilling, turning, screw cutting, boring, milling, threading, reaming, tapping, and grinding.

ADVANTAGES

- Very good extreme pressure performance due to the combination of active sulfur and phosphorus.
- Increases tool life, prevents ridging, promotes good 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.
- Outstanding oxidation resistance.
- Chlorine free means lower disposal costs.
- Low mist oil formation.
- Permits operator surveillance of the workpiece at all times.
- Excellent metal wetting ability.

| TYPICAL CHARACTERISTICS | VALONA 142 S |
|-----------------------------|--------------|
| | Appearance |
| Color, ASTM D-1500 | 2.0 |
| Viscosity at 40°C, cSt | 34.6 - 38.2 |
| Density @ 60 °F, lbs./gal. | 7.41 |
| Specific Gravity @ 60/60 °F | 0.889 |
| Flash Point, COC, °F | 370 |
| Copper Strip Corrosion | 4C |
| Sulfur, %wt. | 3.8 |
| Lubricity Content, % | 7.0 |
| Chlorine, %wt. | Nil |

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