

VALONA 1046 S



METALWORKING



TOTAL

Chlorine-free Cutting Oil for Severe Machining.

APPLICATIONS

- **VALONA 1046 S** is a chlorine-free, neat cutting and grinding oil **ONLY** dedicated to ferrous metals.
- **VALONA 1046 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 wire drawing, broaching, drilling, turning, screw cutting, boring, milling, threading, reaming, tapping, and grinding.

ADVANTAGES

- Very good extreme pressure performance due to the addition of active sulfur.
- 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.
- No chlorine means lower disposal costs.
- Low mist oil formation.
- Permits operator surveillance of the workpiece at all times.
- Light viscosity means good flushing ability.

TYPICAL CHARACTERISTICS	VALONA 1046 S
Appearance	Clear Light Amber Liquid
Color, ASTM D-1500	2.0
Viscosity at 40°C, cSt	20.0 - 24.0
Density @ 60 °F, lbs./gal.	7.39
Specific Gravity @ 60/60 °F	0.886
Flash Point, COC, °F	355
Copper Strip Corrosion	4C
Sulfur, %wt.	2.7
Active Sulfur, %wt.	1.9
Lubricity Content, %	5.0
Phosphorus, ppm	Nil
Chlorine, %wt.	Nil

TOTAL Lubricants USA, Inc.

Linden, NJ 07036
5 North Stiles Street
908.862.9300/800.526.4127

Rockingham, NC 28379
709 Airport Road
800.323.3198 / 800.526.4127

Knoxville, TN 37914
3315 Riverside Drive
800.323.3198 / 800.526.4127