

VALONA 1046 S



METALWORKING

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

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VALONA

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This lubricant must be applied as recommended and used for the application for which it was designed. TOTAL Specialties USA, Inc. will have no responsibility for any injury to persons or property resulting from misuse or misapplication of the lubricant. A safety data sheet conforming to the OSHA Hazard Communication Standard 29 CFR Section 1910.1200 can be downloaded at www.totalspecialties.com. Copyright 2016 All rights reserved.