

VALONA 2109 S



METALWORKING



TOTAL

Chlorine-free Cutting Oil for Severe Machining.

APPLICATIONS

- **VALONA 2109 S** is a chlorine-free, neat cutting and grinding oil **ONLY** dedicated to ferrous metals.
- **VALONA 2109 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, turning, screw cutting, drilling, boring, milling, threading, reaming, and tapping.

ADVANTAGES

- Very good extreme pressure performance due to the addition of active sulfur.
- Reduces the heat generated by tool to chip friction.
- 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.
- Light viscosity means good flushing ability.
- Anti-weld agent.

TYPICAL CHARACTERISTICS	VALONA 2109 S
Appearance	Light Pale Liquid
Color, ASTM D-1500	1.5
Viscosity at 40°C, cSt	21.0 - 23.0
Density @ 60 °F, lbs./gal.	7.53
Specific Gravity @ 60/60 °F	0.904
Flash Point, COC, °F	325
Copper Strip Corrosion	4C
Sulfur, %wt.	3.7
Active Sulfur, %wt.	2.6
Lubricity Content, %	> 3.0
Chlorine, %wt.	Nil

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