

VALONA 5191 S



METALWORKING



TOTAL

Chlorine-free Cutting Oil for Severe Machining.

APPLICATIONS

- **VALONA 5191 S** is a chlorine-free, dark cutting oil fortified with extreme pressure (EP), anti-weld, and metal wetting agents.
- **VALONA 5191 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, and reaming on ferrous metals.

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.

TYPICAL CHARACTERISTICS	VALONA 5191 S
Appearance	Dark Brown Liquid
Color, ASTM D-1500	8.0+
Viscosity at 40°C, cSt	48.0 - 52.0
Density @ 60 °F, lbs./gal.	7.70
Specific Gravity @ 60/60 °F	0.923
Flash Point, COC, °F	345
Copper Strip Corrosion	4C
Sulfur, %wt.	> 3.0
Lubricity Content, %	> 10.0

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