

# VALONA 1031 S



METALWORKING



Chlorinated Cutting Oil for Severe Machining.

## APPLICATIONS

- **VALONA 1031 S** is a clear, heavy duty cutting oil fortified with chlorine and other non-chlorinated extreme pressure additives, which is efficient over a wide working range of both ferrous and non-ferrous metals and machining operations.
- **VALONA 1031 S** is used on all cutting operations on all ferrous and non-ferrous metals: low carbon steels, hard and very hard steels (bearing steels), on tensile steel, aluminum, and yellow metals.
- Operations include: severe machining such as thread forming, boring, shaping of carbon steel, stainless steel, nickel-chromium alloyed steels, aluminum and yellow metals.

## ADVANTAGES

- Excellent extreme pressure performance due to the addition of chlorine.
- 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.
- Handles a broad spectrum of ferrous and non-ferrous metals.
- Excellent metal wetting ability
- Non-staining to copper containing alloys.
- Enhanced resistance to high temperatures and pressures.

TYPICAL CHARACTERISTICS	VALONA 1031 S
Appearance	Light Pale Liquid
Color, ASTM D-1500	0.5
Viscosity at 40°C, cSt	22.5 - 27.5
Density @ 60 °F, lbs./gal.	8.11
Specific Gravity @ 60/60 °F	0.973
Flash Point, COC, °F	320
Copper Strip Corrosion	1A-1B
Sulfur Content, %wt.	Nil
Chlorine Content, %wt.	> 15.0

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