

VALONA 40 S



METALWORKING



TOTAL

Chlorine-free Dark Cutting Oil for Severe Machining.

APPLICATIONS

- **VALONA 40 S** is a chlorine-free, dark brown, heavy duty cutting oil which is efficient over a wide working range of both metals and machining operations.
- **VALONA 40 S** is used on all cutting operations on all ferrous metals: low carbon steels, hard and very hard steels (bearing steels), on tensile steels. **NOT TO BE USED** on copper alloy metals (stain risk on workpieces after cutting operations).
- Operations include: electrical and plumbing contractors doing specialized threading and tapping of pipe, connectors, and nipples. Thread cutting, thread rolling, tapping, and cold tap forming of low carbon ductile steels. Used by nut and bolt manufacturers.

ADVANTAGES

- Very good extreme pressure performance due to the combination of sulfur and fatty esters.
- 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.
- Friction reducing anti-weld agent.
- Good metal wetting ability

TYPICAL CHARACTERISTICS	VALONA 40 S
Appearance	Dark Brown Liquid
Color, ASTM D-1500	8.0+
Viscosity at 40°C, cSt	35.0 - 42.5
Density @ 60 °F, lbs./gal.	7.62
Specific Gravity @ 60/60 °F	0.915
Pour Point, °F	10
Flash Point, COC, °F	350
Copper Strip Corrosion	4C
Saponification Number, mg KOH/g	7.5
Sulfur Content, %wt.	1.25
Chlorine Content, %wt.	Nil

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