

VALONA ST 5022



Metalworking



Chlorine-free neat cutting oil for severe machinings.

UTILISATIONS

- **VALONA ST 5022** is a **chlorine-free neat cutting oil ONLY** dedicated to ferrous metals.
- **VALONA ST 5022** 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).
Machinings lubricated : severe machinings of drilling, turning, screwcutting, boring, gear cutting, milling, threading, tapping.

ADVANTAGES

- Very good extreme pressure **performances thanks to the active sulphur addition:**
Increases the tool lifetime,
Prevents ridging,
Very 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.**
- **Excellent compatibility with seals and paintings.**
- **Low mist oil formation.**

TYPICAL CHARACTERISTICS	METHODS	UNITS	VALONA ST 5022
Appearance	-	-	Clear liquid
Colour	-	-	Yellow
Density at 15°C	ISO 3675	kg/m ³	874
Kinematic viscosity at 40°C	ISO 3104	mm ² /s	22
Copper corrosion 3 h @ 100 °C	ISO 2160	-	4c
Copper corrosion 3 h @ 50 °C	ISO 2160	-	1b
Open cup flash point	ISO 2592	°C	212

Above characteristics are mean values given as an information.