



Valona MS 7046 HC

DESCRIPTION

Chlorine-free neat cutting oil for heavy duty machining and for machine tool lubrication.

APPLICATIONS

- **VALONA MS 7046 HC** is dedicated to both ferrous and non-ferrous metals and to the lubrication of various machine parts: bearings, gears, sideways. Precautions to take on all lubrication machine circuits it is mandatory to use new and fresh oil for topping up.
- **VALONA MS 7046 HC** is widely used on cutting operations on hard and very hard steels (bearing steels), on special, stainless, and refractory steels (NIMONIC and VASPALLOY) and on titanium alloys (aviation and medical applications). It can also be used on low carbon steels and copper alloys. Machining lubricated: turning, screw cutting, milling, horizontal broaching, threading, tapping.

ADVANTAGES

This product is formulated from a premium base stock and provide many advantages:

- **Very good anti-wear and extreme pressure performances:**
 - increases the tool lifetime,
 - prevents ridging,
 - very good surface finish,
- **Very little odor** due to its low aromatic compound content.
- **Improvement to operators' health** due to almost no carcinogenic compounds as polycyclic aromatic hydrocarbons present in the oil.
- **Reduced oil mists and less product consumption** through evaporation, due to low levels of volatility.

This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial advisor or downloaded at ms-sds.totalenergies.com

- **Supreme product life** is ensured though increased oxidation stability.
- **Improved filtration ratio**, due to efficient degassing of the product.
- **Excellent compatibility against elastomers and paints.**

TECHNICAL DATA SHEET

V.01/2024

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TYPICAL CHARACTERISTICS

Typical characteristics	Methods	Units	Valona MS 7046 HC
Appearance	-	-	Clear liquid
Color	-	-	Yellow
Density at 15°C	ISO 3675	kg/m3	865
Kinematic viscosity at 40°C	ISO 3104	mm2/s	43
Copper corrosion	ISO 2160	-	1a
Open cup flash point	ISO 2592	°C	> 230

Above characteristics are mean values given as an information.

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