

# VALONA MS 7023 HC



*Metalworking*

**TOTAL**

Chlorine-free neat cutting oil for heavy duty machinings.

## UTILISATIONS

- **VALONA MS 7023 HC** is a **chlorine-free neat cutting oil dedicated to both ferrous and non-ferrous metals.**
- **VALONA MS 7023 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. Machinings lubricated : turning, screwcutting, milling, threading, tapping, sawing, deep drilling.

## ADVANTAGES

- **Very good antiwear and extreme pressure performances:**
  - increases the tool lifetime,
  - prevents ridging,
  - very good surface finish,

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

- **Very little odour** 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.
- **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**

TYPICAL CHARACTERISTICS	METHODS	UNITS	VALONA MS 7023 HC
Appearance	-	-	Clear liquid
Colour	-	-	Yellow
Density at 15°C	ISO 3675	kg/m <sup>3</sup>	856
Kinematic viscosity at 40°C	ISO 3104	mm <sup>2</sup> /s	23
Copper corrosion	ISO 2160	-	1a
Open cup flash point	ISO 2592	°C	> 200

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS  
INDUSTRIE  
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VALONA MS 7023 HC  
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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 adviser or down loaded from [www.quick-fds.com](http://www.quick-fds.com).