

VALONA MS 7009 HC



Metalworking

TOTAL

Chlorine-free neat cutting oil for heavy duty machinings.

APPLICATIONS

- **VALONA MS 7009 HC** is a very low viscosity **chlorine-free neat cutting oil dedicated to both ferrous and non-ferrous metals.**
- **VALONA MS 7009 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 (aerospace and medical applications). It can also be used on low carbon steels and copper alloys. Machinings lubricated : deep drilling, turning, screwcutting, milling, threading, tapping, sawing.

ADVANTAGES

- **Very good antiwear and extreme pressure performances:**
Extends the tool lifetime,
Very good surface finish,

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

- **Very little odour** due to its low aromatic compound content.
- **Improvement to operators health** due to almost no carcinogenic compounds such 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 through increased oxidation stability.
- **Improved filtration ratio**, due to efficient degassing of the product.
- **Excellent compatibility with elastomers and paints**

TYPICAL CHARACTERISTICS	METHODS	UNITS	VALONA MS 7009 HC
Appearance	-	-	Clear liquid
Colour	ISO 2049	-	3 maxi
Density at 15°C	ISO 3675	kg/m ³	853
Kinematic viscosity at 40°C	ISO 3104	mm ² /s	9.9
Copper corrosion	ISO 2160	-	1b maxi
Open cup flash point	ISO 2592	°C	162

Above characteristics are mean values given as an information.

TOTAL LUBRIFIANTS
INDUSTRIE
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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.