

# VALONA ST 9122 HC



*Metalworking*

**TOTAL**

Chlorine-free neat cutting oil designed for very hard machining operations on ferrous metals.

## APPLICATIONS

- **VALONA ST 9122 HC** is **chlorine-free metalworking oil** with specific additives specially suitable for all difficult machining operations on ferrous metals.
- **VALONA ST 9122 HC** is more particularly suitable for machining operations on carbon steels, high alloy steels and stainless steels.
- **VALONA ST 9122 HC** must only be used on ferrous metals.  
Currently lubricated operations:
  - stainless steels free cutting,
  - thread and cogs grinding, and deep rough grinding,
  - drilling, reaming of alloy steels and stainless steels,
  - gear cutting and shaving,
  - broaching.

## ADVANTAGES

- **Excellent anti-wear and outstanding extreme pressure performance:**
  - The nature of its compounding gives it excellent machining performances that result in an excellent surface finish and ensures dimensions and tolerances to be respected.
  - Extends the tool life time.
  - Prevents the formation of built-up edges.

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 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 ST 9122 HC |
|-----------------------------|----------|--------------------|-------------------|
| Appearance                  | -        | -                  | Clear liquid      |
| Colour                      | ISO 2049 | 0 to 8             | 5 (dark brown)    |
| Odour                       | -        | -                  | Slight            |
| Density                     | ISO 3675 | kg/m <sup>3</sup>  | 848               |
| Kinematic viscosity at 40°C | ISO 3104 | mm <sup>2</sup> /s | 22                |
| Copper corrosion            | ISO 2160 | -                  | 3b                |

The characteristic values shown in this table are typical values that are given as a guide.

TOTAL LUBRIFIANTS  
INDUSTRIE  
21-10-2013  
VALONA ST 9122 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).