

TECHNICAL DATA SHEET



NANOL® POWER+ MH



PRODUCT DESCRIPTION

Nanol® is a patented discovery and represents an innovative lubricant additive, which significantly reduces friction and wear of surfaces due to a thin protective layer formed by copper nanoparticles. **Nanol® POWER+ MH is optimized for Marine engines operating with high sulphur fuel oil.**

The unique action behind the Nanol® lubrication technology lies within the precise amount of perfectly distributed copper nanoparticles, constructing a physical layer of copper atoms only on the surfaces of friction and wear.

CUSTOMER BENEFITS

Nanol® delivers value by

- Improving machinery efficiency
- Reducing fuel and lubrication oil consumption
- Reducing wear
- Reducing emissions
- Prolonging lubrication oil exchange intervals
- Prolonging lifetime of components

FEATURES

The copper layer lowers friction, protects the working surfaces from wear and corrosion and improves heat transfer from the friction zone. Nanol® works well in both large- and small-scale engines as well as in other applications where heavy friction occurs and the need of lubricants is inevitable.

TREATMENT RATIO

Add 3% (30 ml per liter of oil) of the Nanol® POWER+ MH lubricant additive to engine oil. The additive shall preferably be added to warm engine oil (T > 50°C). The product is not to be blended into any glycol-based oils and the stated dosage shall not be exceeded.

TECHNICAL DATA

| PROPERTIES | NANOL® M [10.0-T] | UNIT | TEST METHOD |
|----------------------------|-------------------|-------------------|-------------|
| Relative density @20°C | 865 | kg/m ³ | In-house |
| Kinematic viscosity @40°C | 30.74 | cSt | ASTM D445 |
| Kinematic viscosity @100°C | 5.98 | cSt | ASTM D445 |
| Viscosity index | 144 | - | - |
| Flash point, COC | 194 | °C | - |
| Base number | 1.70 | mgKOH/g | ASTM D92 |
| Water solubility | Insoluble | | ASTM D664 |
| Color | Dark blue-green | | |

STORAGE AND HANDLING

Do not expose to open flames, sparks or other heat sources. For long-term storage, store product in cool and ventilated areas. Keep containers well sealed when not using the product. Areas subjected to spillage may become slippery.

Product shelf life is 5 years from the date of purchase.