PRODUCT DATA SHEET

# Q8 Vivaldi M 460

*Superior circulating oil for no-twist rod mills*

## Description

*Q8 Vivaldi M 460 is an exceptional heavy duty circulating oil specially designed for no-twist rod mills. This superior circulating oil fully meets the requirements of Morgoil no-twist rod mills and Danielli rod mills. Q8 Vivaldi M 460 offers extreme demulsibility and is the perfect product for circulating lubrication in gears and bearings.*

## Applications

*Q8 Vivaldi M 460 is used in no-twist rod mills, hydraulic applications that require a high viscosity oil, marine and industrial gearboxes and general equipment. It is highly recommended for plain and rolling bearings. Q8 Vivaldi M 460 is suited for valves and pumps and for moderate duty spur, bevel and helical gear units.*

## Benefits

- *Minimizes downtime which leads to a higher maintenance efficiency*
- *Extends service life time thus minimal costs and maximal efficiency*
- *Superior separation of water*
- *Excellent air release*
- *Extreme protection against corrosion*
- *Outstanding oxidation stability*
- *Low residue forming*

## Specifications & Approvals

| | | | |
|---|---|---|---|
| **DIN** | 51517-1 C | **ISO** | 6743-0 Y |
| **Danieli** | Standard 0.000.001-R15 (2020) | | |

## Properties

| | Method | Unit | Typical |
|---|---|---|---|
| *ISO Viscosity Grade* | *-* | *-* | *460* |
| *Density, 15 °C* | *D 4052* | *g/ml* | *0,899* |
| *Colour* | *D 1500* | *-* | *L 2.5* |
| *Kinematic Viscosity, 40 °C* | *D 445* | *mm²/s* | *460* |
| *Kinematic Viscosity, 100 °C* | *D 445* | *mm²/s* | *31.0* |
| *Viscosity Index* | *D 2270* | *-* | *97* |
| *Pour Point* | *D 97* | *°C* | *-12* |
| *Flash Point, COC* | *D 92* | *°C* | *290* |
| *Emulsion, Distilled Water, 82.2 °C* | *D 1401* | *-* | *40-40-0(15)* |
| *Foam, 5 min blowing, seq. 1-2-3* | *D 892* | *ml* | *10/20/10* |
| *Foam, 10 min settling, seq. 1-2-3* | *D 892* | *ml* | *0/0/0* |
| *Rust Test, Proc. A and B, 24 h* | *D 665* | *-* | *pass* |
| *Copper Strip, 3 h, 100 °C* | *D 130* | *-* | *1* |
| *FZG Test, A/8.3/90* | *DIN 51354* | *load stage* | *>12* |

*The figures above are not a specification. They are typical figures obtained within production tolerances.*