# Q8 Vivaldi M 320

## Application
- Steel mill circulation systems with Morgoil and Mesta bearings

## Specifications
- ISO 6743/0, category Y
- DIN 51517 Part 1, category C

## Benefits
- Easy separation of water and retention of this characteristic after long periods of use
- Good natural oxidation stability for long oil life
- Low carbon residues minimizing bearing deposits
- Outstanding properties against foam formation
- Excellent anti-wear performance

## References
- Q8 Vivaldi M meets Morgoil Construction Company and Mesta Machine Company requirements for uninhibited mineral oils

| Properties | Method | Unit | Typical |
|---|---|---|---|
| ISO Viscosity Grade | - | - | 320 |
| Absolute Density, 15 °C | D 4052 | kg/m³ | 896 |
| Kinematic Viscosity, 40 °C | D 445 | mm²/s | 320 |
| Kinematic Viscosity, 100 °C | D 445 | mm²/s | 24.3 |
| Viscosity Index | D 2270 | - | 97 |
| Flash Point | D 92 | °C | 280 |
| Pour Point | D 97 | °C | -12 |
| Colour | D 1500 | - | L2.5 |
| Copper Strip, 3 h, 100 °C | D 130 | - | 1 |
| Total Acid Number | D 974 | mg KOH/g | 0.03 |
| FZG Test, A/8,3/90 load stage | DIN 51354 | load stage | >12 |
| 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 | | ml | 0/0/0 |
| Oxidation | DIN 51352 | | |
| Conradson Carbon Increase | | % mass | <0.5 |
| Rust Test, Proc. A and B, 24 h | D 665 | - | pass |

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