

# Product Data Sheet

## Tomoil™ Circulating Oil 220 RM

Circulating oil

### Product description

Tomoil™ Circulating Oil 220 RM stands out as an innovative lubricating solution meticulously designed to outperform in rigorous industrial bearing and circulating scenarios, especially in challenging environments like 'No-Twist' Rod Mill Systems. Composed with top-tier base stocks and a carefully selected blend of additives, it ensures outstanding durability against wear and oxidation.

### Application

- No Twist Rod Mills
- General industrial bearing and circulating systems
- Enclosed industrial gear systems

### Features & Benefits

- Excellent protection for lubricated components
- Ensures a robust lubricating film
- Maximizes efficiency of the water removal system
- Minimizes the risk of unscheduled maintenance
- Extends the life of the oil charge, prolonging re-lubrication intervals

### Typical Properties

| Property                     | Unit               | Test method | Typical value |
|------------------------------|--------------------|-------------|---------------|
| ISO viscosity grade          | -                  | -           | VG 220        |
| Density at 15°C              | g/cm <sup>3</sup>  | ASTM D4052  | 0.897         |
| Kinematic Viscosity at 40°C  | mm <sup>2</sup> /s | ASTM D445   | 220.0         |
| Kinematic Viscosity at 100°C | mm <sup>2</sup> /s | ASTM D445   | 18.82         |
| Viscosity Index              | -                  | ASTM D2270  | 95            |
| Flash Point (COC)            | °C                 | ASTM D92    | 268           |
| Pour Point                   | °C                 | ASTM D97    | -15           |

Typical property characteristics are based on current production. Whilst future production will conform to Tomoil<sup>TM</sup> specifications, variations in these characteristics may occur.

### Performance claims

- Danieli 0.000.001 Type 21
- Morgan No-Twist Mill (Spec MMC40003)
- DIN 51524 Part 1 & 2
- ISO 11158 HL & HM
- Schuler Pressen DT 55055 01.2015

### Health, Safety & Environment

- **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: [www.tomoil.de](http://www.tomoil.de)

- **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

### Available pack sizes

- 20 L Canister plastic
- 30 L Canister plastic
- 200 L Drum sheet metal
- 1000 L Container

### Storage

- We recommend to store all packages under cover.
- Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

## Notes

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