

Q8 Turbine Oil O-253

High performance lubricant for turbines and light gears

Description

Q8 Turbine Oil O-253 is high performance lubricating oil for steam turbines and light gear service. The product meets the Netherlands Ministry of Defence Specification for O-253.

Applications

Suitable for marine gearbox lubrication systems, for general mechanical lubrication and in hydraulic applications. Q8 Turbine Oil O-253 is primarily used on HNLMS ships.

Features

Extended oil life

Benefits

Excellent oxidative stability, guaranteeing long oil life under continuous and severe operating conditions

Enhanced technology

Outstanding air release properties and excellent filterability characteristics to ensure safe and reliable operations

Specifications & Approvals

| | | | |
|-----|--------------|------|-------|
| ISO | 6743-5 L-TGE | NATO | O-253 |
| ISO | 6743-5 L-TSE | | |

Properties

| | Method | Unit | Typical |
|------------------------------------|-----------|--------------------|------------------|
| Appearance | Visual | - | Bright and Clear |
| Density, 15 °C | D 4052 | g/ml | 0,881 |
| ISO Viscosity Grade | - | - | 68 |
| Kinematic Viscosity, 40 °C | D 445 | mm ² /s | 68 |
| Kinematic Viscosity, 100 °C | D 445 | mm ² /s | 8.66 |
| Viscosity Index | D 2270 | - | 98 |
| Total Acid Number | D 974 | mg KOH/g | 0.20 |
| Pour Point | D 97 | °C | -18 |
| Flash Point, COC | D 92 | °C | 246 |
| Colour | D 1500 | - | L 1.0 |
| Air Release, 50 °C | D 3427 | min | 8 |
| Emulsion, Distilled Water, 54.4 °C | D 1401 | - | 10 (40-40-0) |
| Foam, 10 min settling, seq. 1-2-3 | D 892 | ml | 0/0/0 |
| Foam, 5 min blowing, seq. 1-2-3 | D 892 | ml | 0/10/0 |
| Rust Test, Proc. A and B, 24 h | D 665 | - | pass |
| Copper Strip, 3 h, 100 °C | D 130 | - | 1b |
| FZG Test, A/8.3/90 | DIN 51354 | load stage | 8 |

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