

## 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 <sup>2</sup> /s | 68               |
| Kinematic Viscosity, 100 °C        | D 445     | mm <sup>2</sup> /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.