



## APPLICATIONS

**Eni OTE46** is a lubricant specifically designed for use in steam and gas turbine applications.

It's based on high quality base-stocks with specially chosen additives to provide excellent thermal-oxidative, rapid air release and excellent demulsibility that permits water to separate readily from the oil.

**Eni OTE 46** provides outstanding performance in turbo-blowers, hydraulic machinery and air compressors with medium/high temperature of the compressed air and in all other applications requiring a high quality and good stability lubricant.

## CUSTOMER ADVANTAGES

- Prolongs oil charge life extending re-lubrication intervals
- Ensures good lubrication film
- Increases turbine operation reliability
- Maximizes water removal system efficiency
- Meets most major turbine equipment builder specifications and industry specifications

## SPECIFICATIONS & APPROVALS

- ALSTOM HTDG 90117 V0001 X
- GE GEK 28143B
- ASTM D 4304 Type I
- BS 489:1999
- CEI 10-8 (1994)
- JISK 2213 -1983 Type II
- Ansaldo Energia W3.1-0171-I60000
- Ansaldo Energia 606W807 Rev.C (2012)
- Doosan Skoda Power
- Siemens TLV 9013 04
- ISO 8068 TSA/TGA





- DIN 51515-1 TD

## CHARACTERISTICS

| Properties                     | Method      | Unit of Measure | Typical  |
|--------------------------------|-------------|-----------------|----------|
| Appearance                     | APM 27      | -               | clear    |
| Density at 15°C                | ASTM D 4052 | kg/m³           | 861      |
| Viscosity at 40°C              | ASTM D 445  | mm²/s           | 46       |
| Viscosity Index                | ASTM D 2270 | -               | 113      |
| Flash point (COC)              | ASTM D 92   | °C              | 226      |
| Pour point                     | ASTM D 97   | °C              | -12      |
| N.N.                           | ASTM D 974  | mg KOH/g        | 0.09     |
| Demulsibility at 54°C          | ASTM D 1401 | mins            | 15       |
| Foaming (sequence I)           | ASTM D 892  | cc/cc           | 30/0     |
| Air release                    | DIN 51381   | mins            | 3        |
| Rust test/B                    | ASTM D 665  | -               | pass     |
| Copper corrosion               | ASTM D 130  | -               | 1A       |
| Cleanliness class              | ISO 4406    | -               | 17/16/12 |
| FZG (A/8,3/90) - damage rating | DIN 51354-2 | -               | 9        |



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