

## TURBINE OIL- ISO 32



## Description

**BENZOL®** Turbine Oil - ISO 32 is a very high-quality, rust and oxidation (R&O)-inhibited circulating oil developed for use in industrial steam turbines, rotary air compressors, and many other industrial applications. These inhibitors provide resistance to thermal degradation over long periods in the presence of entrained air and catalyzing metals. It is specially formulated to protect against sludge and varnish formation to provide long service life.



## Applications

**BENZOL®** Turbine Oil is designed for use in water, steam, and gas turbines, bearing lubrication and system cooling where oil requirements include a long operating life and rust protection, good water separation and air release characteristics. It is also suited for centrifugal and rotary air compressors.

## Specifications and Approvals

ASTM D 4304, Type I(non-EP) and Type II (EP), BS 489, DIN 51515 Part 1 (TD) and Part 2 (TG), SO 8086 TSE, TGE, TSA and TGA, Alstom HTGD 90117 V 0001T, GEK 32568E/F/46506D/28143A/107395a/101941A, Siemens TLV 9013-04, Solar ES 9-224, Class II

## Technical Specifications

## Performance Benefits

- Low carbon-forming tendency for use in air compressors.
- Protects against sludge and varnish formation
- Efficient demulsibility for rapid separation of water.
- Effective protection against air entrainment and good air release Properties.
- Excellent oxidation stability.

## Product/Part Number

|            |         |            |         |
|------------|---------|------------|---------|
| TU05000511 | 1 x 20  | TU05000531 | 1 x 25  |
| TU05000561 | 1 x 200 | TU05000571 | 1 x 208 |
| TU05000601 | 1x1000  |            |         |

| Tests                         | Method     | Results        |
|-------------------------------|------------|----------------|
| Appearance                    | Visual     | Clear & Bright |
| Water                         | Hot Plate  | Nil            |
| Color                         | D-1500     | L0.5           |
| Density @ 15 °C, kg/L         | D-1298     | 0.8675         |
| Viscosity @ 100 °C, cSt       | D-445      | 5.47           |
| Viscosity @ 40 °C, cSt        | D-445      | 32             |
| Viscosity index               | D-2270     | 106            |
| Flash Point, °C (COC)         | D-92       | 218            |
| Pour Point, °C                | D-97       | -33            |
| Foam SEQ. I/II/III            | D-892      | 0/0/0          |
| Copper Corrosion, 3 hrs@100°C | D-130      | 1a             |
| Rust Protection Test          | D-665(A&B) | Pass           |

## HEALTH AND SAFETY

This product is not expected to have adverse health implications when used for its intended application. For detailed information on safe handling of this product, refer to its Material Safety Data Sheet (MSDS). To obtain an MSDS on this or any other BENZOL products, please visit [www.benzollubricants.de](http://www.benzollubricants.de)

