Product Data Sheet

**Aminol™ Turbine Oil TP 46**

Turbine oil

**Product description**

Aminol™ TP 46 is a premium performance turbine oil developed for use in geared and non-geared steam turbines, rotary air compressors, and many other industrial applications. Its formulation integrates carefully selected base stocks along with the latest additive technology to ensure superior oxidation stability, robust rust protection, as well as exceptional air release and rapid water separation capabilities.

**Application**

Aminol™ TP 46 is recommended for use in all types of turbines, including gas turbines, steam turbines, hydroelectric turbines, marine turbines and gearboxes. It can be used as a sealing medium or as a hydraulic fluid in appropriate sealing and control systems.

**Features & Benefits**

* Excellent oxidation resistance and thermal stability
* High viscosity index
* Superior anti-wear protection
* Good demulsibility
* Compatible with seals and gaskets
* Low foaming tendency

**Typical Properties**

| **Property** | **Unit** | **Test method** | **Typical value** |
| --- | --- | --- | --- |
| ISO viscosity grade | - | - | 46 |
| Density at 20°C | g/cm3 | ASTM D4052 | 0.877 |
| Kinematic Viscosity at 40°C | cst | ASTM D445 | 46.00 |
| Viscosity Index | - | ASTM D2270 | 95 |
| Flash Point (COC) | °C | ASTM D92 | 228 |
| Pour Point | °C | ASTM D97 | -15 |
| Copper Corrosion, 3h, 100°C | - | ASTM D 130 | 1a |
| Rust Preventive in the presence in water | - | ASTM D 665 | pass |
| Water separability  -time to 3ml emulsion | - | ASTM D 7451 | 6 |
| RBOST test, min. | - | ASTM D 2272 | 300 |

Typical property characteristics are based on current production. Whilst future production will conform to Aminol™ specifications, variations in these characteristics may occur.

**Performance claims**

* ISO 3448 VG 46
* BDS ISO 6743-5
* ISO L-TSA
* ISO 8068: 2006 L-TSA, L-TGA
* ISO 8068 Type AR
* DIN 51515 Part 1 (L-TD)
* DIN 51524 Part 1 (HL)
* British Standard 489 (CIGRE)
* ASTM D 4304 Type I
* MIL-L 17672 D
* Siemens TLV 9013 04

**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.aminol.az](http://www.aminol.az)

* **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
* 200 L Drum sheet metal

**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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