Product Data Sheet

**Aminol™ Turbine Oil TPS 46**

Turbine oil

**Product description**

Aminol™ Turbine Oil TPS 46 is an advanced turbine oil designed to excel in meeting the requirements of modern steam and light-duty gas turbines. It is formulated using high-quality hydrotreated base oils combined with a blend of advanced ash-free additives that provides excellent oxidative stability, protection against rust & corrosion, low foming and excellent demulsibility.

**Application**

Aminol™ Turbine Oil TPS 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**

* Strong oxidation control
* High resistance to foaming and quick air release
* Effective water shedding properties
* Excellent rust and corrosion protection

**Typical Properties**

| **Property** | **Unit** | **Test method** | **Typical value** |
| --- | --- | --- | --- |
| ISO viscosity grade | - | - | 46 |
| Density at 20°C | g/cm3 | ASTM D4052 | 0.856 |
| Kinematic Viscosity at 40°C | cst | ASTM D445 | 46.00 |
| Viscosity Index | - | ASTM D2270 | 110 |
| Flash Point (COC) | °C | ASTM D92 | 230 |
| Pour Point | °C | ASTM D97 | -12 |
| 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 | 10 |
| RBOST test, min. | - | ASTM D 2272 | 1000 |

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

**Performance claims**

* Siemens TLV 9013 04 / TLV 9013 05
* ALSTOM HTGD 90 117 V0001Y
* GEK 27070/28143B/32568K/46506E
* DIN 51515 Parts I, II
* MORGOIL® Advanced Lubricant New Oil Revision 2.5a
* AIST 120/125
* AGMA 9005-F16
* British Standard BS489

**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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