



# Aminol T-1500

## Product Data Sheet

Transformer oil

### Product description

Aminol T-1500 is a premium quality, highly refined, mineral-based transformer oil designed to provide maximum performance and protection for high-voltage electrical equipment. It has been formulated using sulfur paraffinic oils, which undergo selective hydrogenation and purification processes, to deliver excellent electrical insulation properties, superior heat transfer capabilities, and long-term oxidation stability.

### Application

Aminol T-1500 is recommended for use in electrical transformers, circuit breakers, switchgear, and other electrical equipment that require high-performance insulating oil. It is particularly compatible with power transformers operating at high temperatures or under heavy loads.

### Features & Benefits

- Excellent oxidation stability for longer service life
- High dielectric strength for enhanced insulation properties
- Low power loss for increased efficiency
- Superior heat transfer properties for efficient cooling
- Exceptional moisture resistance for reliable performance in damp conditions

### Typical Properties

| Property                               | Unit     | Test method | Typical value |
|----------------------------------------|----------|-------------|---------------|
| Kinematic Viscosity                    |          |             |               |
| - at -30°C                             | cst      | GOST 33     | 1100          |
| - at 20°C                              |          |             | 20            |
| - at 50°C                              |          |             | 7.5           |
| - at 100 °C                            |          |             | 2.5           |
| Flash Point                            | °C       | GOST 6356   | 145           |
| Pour Point                             | °C       | GOST 20287  | -45           |
| TAN                                    | mg KOH/g | GOST 5985   | 0.005         |
| Dielectric dissipation factor at 90°C  | %        | IEC 60247   | 0.002         |
| Dielectric Breakdown Voltage           |          |             |               |
| - as delivered                         | kV       | IEC 60156   | 30            |
| - after treatment                      |          |             | 60            |
| Water soluble acids and alkali content | %        | GOST 6307   | None          |
| Sodium test, optical density           |          | GOST 19296  | <0.4          |
| Antioxidant content                    | %        | ASTM D2668  | 0.38          |
| Density at 20°C                        | g/cm3    | GOST 3900   | 0.883         |



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

### Performance claims

- GOST 982-80

### 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

- 200 L Drum sheet metal
- 1000 L Container

### 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

This data sheet and the information it contains are believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application, and to comply with all applicable laws and regulations. Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by ALCO LLC for any damage or injury resulting from abnormal use of the material, from any failure to adhere to



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