Product Data Sheet

**Aminol™ TO-4 SAE 50**

Powershift Transmission oil

**Product description**

Aminol TO-4 SAE 50 is a top-tier hydraulic and transmission fluid designed with advanced technology to provide superior performance and enhanced durability for modern hydraulic systems and transmissions fitted to heavy-duty off-highway equipment. Its formulation has meticulously been crafted to meet or surpass the demanding Caterpillar TO-4 specification.

**Application**

Applications for Aminol TO-4 SAE 50 include heavy-duty transmissions, gear boxes, final drives and hydraulic systems used in off-highway applications where a Caterpillar TO-4 product is recommended. Aminol TO-4 SAE 50 can be used in other high performance applications in the mining, construction, quarrying and agricultural industries.

**Features & Benefits**

* Well-balanced static and dynamic friction coefficients
* Exceptional foam control and protection
* Superior stability in thermal and oxidation
* Optimized retention of clutch-friction and control over slippage
* Outstanding stability for hydraulic oil and protection against high-pressure pump wear
* Remarkable performance in low-temperature fluid flow

**Typical Properties**

| **Property** | **Unit** | **Test method** | **Typical value** |
| --- | --- | --- | --- |
| Density at 20°C | g/cm3 | ASTM D 4052 | 0.895 |
| Kinematic Viscosity at 100°C | cst | ASTM D 445 | 19.5 |
| Viscosity Index | - | ASTM D 2270 | 95 |
| Flash Point (COC) | °C | ASTM D92 | 250 |
| Pour Point | °C | ASTM D97 | -21 |
| Brookfield Viscosity at -15°C | cP | ASTM D 2983 | 90 000 |
| Copper Strip Corrosion | - | ASTM D 130 | 1a |

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

**Performance claims**

* API CF
* API MT-1
* CAT TO-4 / TO-4M
* ISO L-EGC
* TISI (Thailand International Standards Institute)
* CAT TO-4
* API MT-1
* API CF-2/CF
* Allison C4
* ZF TE-ML-03C/07F
* Komatsu KES 07.868.1

**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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