



Aminol TO-4 SAE 60

Product Data Sheet

Powershift transmission fluid

Product description

Aminol TO-4 SAE 60 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 been crafted to meet or surpass the demanding Caterpillar TO-4 specification.

Application

- Heavy-duty transmissions, gearboxes, final drives, and hydraulic systems used in off-highway applications
- Off-highway industries, including: mining, construction, quarrying, and agriculture
- Manual, powershift, and automatic transmissions where a CAT TO-4 or Allison C-4 fluid is required

Features & Benefits

- Well-balanced static and dynamic friction coefficients
- Exceptional foam control and protection
- Superior thermal and oxidation stability
- 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 15°C	g/cm ³	ASTM D 4052	0.903
Kinematic Viscosity at 100°C	cst	ASTM D 445	23.50
Kinematic Viscosity at 40°C	cst	ASTM D 445	316.2
Viscosity Index	-	ASTM D 2270	94
Flash Point, COC	°C	ASTM D 92	258
Pour Point	°C	ASTM D 7346	-15
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, MT-1
- CAT TO-4
- Allison C4
- ZF TE-ML-03C



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- Komatsu KES 07.868.1
- Komatsu Dresser
- Dana Powershift

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

Protect the Environment

Take used oil to an authorized collection point. Do not discharge into drains, soil, or water.

Available pack sizes

- 1 L Canister plastic
- 4 L Canister plastic
- 5 L Canister plastic
- 7 L Canister plastic
- 20 L Canister plastic
- 30 L Canister plastic
- 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 recommendations, or from hazards inherent in the nature of the material. All products, services, and information supplied are provided under our standard conditions of sale. You should consult our sales specialists if you require any further information.

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