

## Triax TRXGL-ATF

# TRIAX Global ATF Full Synthetic Automatic Transmission Fluid User Manual

Model: TRXGL-ATF

## 1. INTRODUCTION AND OVERVIEW

The TRIAX Global ATF is a full synthetic, OEM grade automatic transmission fluid designed for broad compatibility and superior performance. This fluid is engineered to meet the demanding requirements of a wide range of automatic transmissions in passenger cars, SUVs, and trucks, offering enhanced durability and operational efficiency.



Image: Front view of the TRIAX Global ATF 5 Quart Jug, highlighting its multi-vehicle compatibility and full synthetic nature.

## 2. KEY FEATURES AND BENEFITS

- **Broad Compatibility:** Compatible with approximately 95% of ATF vehicles, including Ford XL-12, BMW LT 71141, Allison TES 295/389, Mercon V, Dexron VI, Chrysler/Jeep ATF 3/4, Honda DW1, KIA SP-III/IV, Mazda MIII/MV, Nissan Matic D/J/K/S/W, and many others.
- **Seal Compatibility:** Provides excellent maintenance and prolongs elasticity for all seal types, including silicone,

synthetic, and natural rubber seals, helping to prevent leaks.

- **Optimized Friction:** Engineered for long shift stability, high torque transfer, and smooth, precise shifting. Reduces sticking, slipping, and gear kicking, contributing to lower operating temperatures.
- **Heavy Duty Durability:** Offers high load carrying capacity, film strength, and robust transmission protection, making it suitable for heavy-duty and high-torque applications such as diesel trucks, towing, and hauling.
- **Superior Performance:** Outperforms many OEM fluids, providing up to 50% smoother shifting and better long-term frictional stability in standardized performance tests.
- **Extended Drain Intervals:** Qualifies for "FILL FOR LIFE" service in passenger cars and SUVs, 100,000 miles for heavy-duty applications, and 50,000 miles for severe service haulers.



## The TRIAX Difference



Prevents Sticky & Notchy Shifting; Provides Buttery Smooth Transmission Operation



Exceptional Torque Transfer (Dynamic Friction) & Clutch-Holding (Static Friction) Performance



Excellent Long Term Performance: Maintains Shift Quality, Prevents Shudder & Vibration



For Towing, Hauling, Racing, Stop & Go City Traffic & Severe Heavy Duty Service

Image: Visual representation of "The TRIAX Difference," highlighting benefits like smooth shifting, exceptional torque transfer, long-term performance, and suitability for severe service.

### 3. VEHICLE COMPATIBILITY

TRIAX Global ATF is formulated for universal fit across a vast majority of automatic transmissions. It is compatible with specifications from leading manufacturers across North American, European, and Asian vehicles.

**North American Vehicles:** GM Dexron III & Dexron VI, Ford Mercon V & Mercon LV, Chrysler/Jeep ATF+3/4, Allison TES 295 & 389.

**European Vehicles:** BMW LT 71141, Audi, Porsche, Land Rover, Mercedes Benz.

**Asian Vehicles:** Honda DW1, KIA SP-III/IV, Mazda MIII/MV, Nissan Matic D/J/K/S/W, Toyota WS, T-III, T-IV.

This fluid is also an ideal choice for heavy-duty pick-up trucks from Ford, Chevy, and GMC requiring TES 295, Dex VI, Mercon V, and Mercon LV specifications.

The graphic features a dark grey background. At the top center is the TRIAX logo, which consists of a red square containing a white stylized 'X' with wings, the word 'TRIAX' in white, and 'PREMIUM LUBRICANTS' in smaller white text below it. To the right of the logo is a circular 'MADE IN USA' seal with an American flag motif. Below these, the text 'Compatible with a Wide Range of European, US & Asian Vehicles' is written in large, bold, white font. Underneath this text are four checkmarks, each followed by a list of vehicle brands: 'BMW, Audi, Porsche, Land Rover & Mercedes Benz', 'Honda, Toyota, Kia, Subaru, Mazda, Lexus & Mitsubishi', 'GM, Chrysler, Ford & Lincoln', and 'Heavy & Super Duty US Pick-Up Trucks Chevy, Dodge & Ford Including TES 295'. In the bottom right corner, there are three images of vehicles: a black sports car, a white pickup truck, and a silver sedan.

Image: Diagram illustrating the wide range of vehicle compatibility for TRIAX Global ATF, including various European, US, and Asian car brands and heavy-duty trucks.

## 4. APPLICATION AND SETUP

Before applying TRIAX Global ATF, always consult your vehicle's owner's manual for specific transmission fluid requirements and capacities. Ensure the transmission is at the correct operating temperature for fluid level checks, as specified by the manufacturer.

1. **Preparation:** Park the vehicle on a level surface and engage the parking brake. Allow the engine and transmission to cool if they are hot.



2. **Draining Old Fluid:** Locate the transmission drain plug (if applicable) or pan. Place a suitable drain pan underneath to collect the old fluid. Carefully remove the plug or pan bolts to drain the fluid. Dispose of used fluid responsibly according to local regulations.
3. **Refilling:** Locate the transmission fill tube or plug. Using a funnel, slowly add the TRIAX Global ATF. The 5-quart jug features a built-in spout for precise pouring and an airtight reseal, minimizing spills and ensuring freshness.
4. **Checking Fluid Level:** After adding the initial amount, start the engine and cycle through all gear positions (P, R, N, D, etc.) to circulate the new fluid. Re-check the fluid level using the dipstick or inspection plug, adding more fluid as needed until the correct level is reached.



Image: Close-up of the TRIAX Global ATF jug being poured, illustrating the built-in spout designed for precise pouring and airtight resealing.

## 5. OPERATING PRINCIPLES AND PERFORMANCE

TRIAX Global ATF is engineered with advanced friction modifiers and high-quality synthetic base stocks to deliver optimal transmission performance. Its formulation ensures consistent and reliable operation under various driving conditions.

- **Friction Retention:** The fluid maintains stable friction characteristics over time and mileage, which is crucial for

consistent shift feel and preventing shudder.

- **Reduced Slippage:** By minimizing slippage and sticking, the fluid ensures efficient power transfer and reduces wear on transmission components.
- **Thermal Stability:** Excellent viscosity stability and enhanced heat management properties help to lower operating temperatures, protecting the transmission from heat-related degradation.



Image: Graph illustrating improved friction retention and shift stability of TRIAX ATF with Sure-Shift technology compared to OEM and licensed fluids over time/miles.



Image: Comparison showing reduced slippage and sticking with TRIAX formulated ATFs, indicated by a smoother tachometer line compared to varying coupling and torque variation in other brands.

## 6. MAINTENANCE AND DRAIN INTERVALS

The extended drain capabilities of TRIAX Global ATF contribute to reduced maintenance frequency and cost. However, actual drain intervals can vary based on driving conditions, vehicle type, and manufacturer recommendations.

- **Passenger Cars and SUVs:** Qualifies for "FILL FOR LIFE" service under normal driving conditions.

- **Heavy Duty Applications:** Recommended for up to 100,000 miles.
- **Severe Service Haulers:** Recommended for up to 50,000 miles.

Regularly check your transmission fluid level and condition. If the fluid appears dark, smells burnt, or if you experience unusual shifting, consider a fluid change regardless of mileage.

## 7. TROUBLESHOOTING

If you encounter issues after a transmission fluid change or during regular operation, consider the following general troubleshooting steps:

- **Incorrect Fluid Level:** The most common issue. Ensure the fluid level is precisely within the recommended range on the dipstick or inspection plug, following the vehicle manufacturer's procedure (e.g., hot or cold check).
- **Air in System:** After a fluid change, air can sometimes be trapped. Driving the vehicle gently for a short period and re-checking the fluid level can help.
- **Contamination:** Ensure no contaminants entered the transmission during the fluid change. Use clean tools and funnels.
- **Persistent Issues:** If shifting problems, noises, or leaks persist, it may indicate a mechanical issue with the transmission itself. Consult a qualified automotive technician for diagnosis and repair.

Always refer to your vehicle's specific service manual for detailed troubleshooting and repair procedures.

## 8. PRODUCT SPECIFICATIONS

Specification	Detail
Brand	Triax
Product Name	Global ATF, Full Synthetic OEM Grade Automatic Transmission Fluid
Model Number	TRXGL-ATF
Size	5 Quart Jug (4.73 Liters)
Item Weight	8.95 pounds
Product Dimensions	13 x 5 x 8 inches
UPC	850023978561
Vehicle Service Type	Various (Ford, BMW, Allison, Mercon, Chrysler/Jeep, Honda, KIA, Mazda, Nissan)
Automotive Fit Type	Universal Fit
Manufacturer	TRIAX Lubricants LLC
First Available Date	August 18, 2023



Image: Rear view of the TRIAX Global ATF jug, displaying detailed specifications and compatibility information printed on the label.

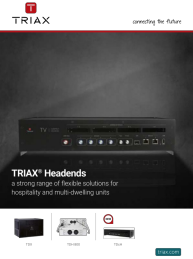
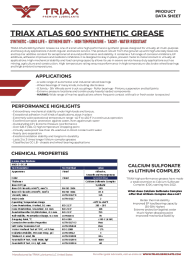

## 9. WARRANTY AND SUPPORT




For detailed warranty information and customer support regarding TRIAX Global ATF products, please refer to the official TRIAX Lubricants LLC website or contact their customer service directly. Product performance claims are based on industry-standard tests and manufacturer specifications.

You can visit the official TRIAX store on Amazon for more products and information: [TRIAX Performance Lubricants](#)



Related Documents - TRXGL-ATF

	<p><a href="#">TRIAX Headends and Modulators: Product Overview and Specifications</a></p> <p>Explore the TRIAX range of headend solutions, including TDcH, TDH 800, and TDX series, alongside MOD 101C and MOD 103T modulators. Discover features, benefits, and technical specifications for hospitality and multi-dwelling unit applications.</p>
	<p><a href="#">TRIAX Atlas 600 Synthetic Grease Technical Data Sheet</a></p> <p>Technical specifications and performance highlights for TRIAX Atlas 600 Synthetic Grease, a high-performance grease designed for multi-purpose and heavy-duty applications, featuring exceptional stability, temperature range, and water resistance.</p>
	<p><a href="#">TRIAX HD Signal Distribution Products for Multi-Screen TV Viewing</a></p> <p>Explore TRIAX's range of HDMI to DVB-T modulators, active TV link splitters, amplifiers, and coaxial accessories for efficient multi-screen TV setups. Ideal for homes, pubs, and offices.</p>

 <p>TRIAX FLEET SUPREME DIESEL ENGINE OILS</p> <p>DIESEL ENGINE OILS LIKE NO OTHER</p> <p>Enhanced fuel economy, extended service intervals, maximum engine protection.</p>	<p><a href="#">TRIAX Fleet Supreme Diesel Engine Oils: Superior Performance and Protection</a></p> <p>Explore TRIAX Fleet Supreme, a premium full synthetic heavy-duty diesel engine oil engineered for extended service intervals, enhanced fuel economy, and maximum engine protection. Featuring advanced friction modifiers and superior thermal stability, it minimizes wear and optimizes performance across a wide range of heavy-duty applications and manufacturers.</p>
 <p>TRIAX MFA 617 Mast Amplifier - Technical Specifications and Product Information</p> <p>connecting the future TRIAX</p> <p>MFA 617 mast amp 3 input 700 MHz</p> <p>Product Description:</p> <p>MFA 617 mast amp 3 input 700 MHz</p> <p>Product Description:</p> <ul style="list-style-type: none"> <li>• 3 input 700 MHz</li> <li>• 1 output 700 MHz</li> <li>• 1 output 800 MHz</li> <li>• 1 output 900 MHz</li> <li>• 1 output 1000 MHz</li> <li>• 1 output 1100 MHz</li> <li>• 1 output 1200 MHz</li> <li>• 1 output 1300 MHz</li> <li>• 1 output 1400 MHz</li> <li>• 1 output 1500 MHz</li> <li>• 1 output 1600 MHz</li> <li>• 1 output 1700 MHz</li> <li>• 1 output 1800 MHz</li> <li>• 1 output 1900 MHz</li> <li>• 1 output 2000 MHz</li> </ul> <p>Specifications:</p> <p>Model: MFA 617</p> <p>Weight: 1.5 kg</p> <p>Dimensions: 100 x 100 x 100 mm</p> <p>Power: 100 W</p> <p>Frequency: 700 MHz</p> <p>Gain: 20 dB</p> <p>Loss: 1 dB</p> <p>Weatherproof: Yes</p> <p>Installation: Easy</p> <p>Warranty: 3 years</p> <p>Price: \$1000</p>	<p><a href="#">TRIAX MFA 617 Mast Amplifier - Technical Specifications and Product Information</a></p> <p>Detailed specifications and product description for the TRIAX MFA 617 mast amplifier, a multiband amplifier designed for LTE 700 &amp; 800 MHz with F-connectors.</p>
 <p>TRIAX MFA 657 Mast Amplifier - Technical Specifications and Product Information</p> <p>connecting the future TRIAX</p> <p>MFA 657 mast amp 3 input 700 MHz</p> <p>Product Description:</p> <p>MFA 657 mast amp 3 input 700 MHz</p> <p>Product Description:</p> <ul style="list-style-type: none"> <li>• 3 input 700 MHz</li> <li>• 1 output 700 MHz</li> <li>• 1 output 800 MHz</li> <li>• 1 output 900 MHz</li> <li>• 1 output 1000 MHz</li> <li>• 1 output 1100 MHz</li> <li>• 1 output 1200 MHz</li> <li>• 1 output 1300 MHz</li> <li>• 1 output 1400 MHz</li> <li>• 1 output 1500 MHz</li> <li>• 1 output 1600 MHz</li> <li>• 1 output 1700 MHz</li> <li>• 1 output 1800 MHz</li> <li>• 1 output 1900 MHz</li> <li>• 1 output 2000 MHz</li> </ul> <p>Specifications:</p> <p>Model: MFA 657</p> <p>Weight: 1.5 kg</p> <p>Dimensions: 100 x 100 x 100 mm</p> <p>Power: 100 W</p> <p>Frequency: 700 MHz</p> <p>Gain: 20 dB</p> <p>Loss: 1 dB</p> <p>Weatherproof: Yes</p> <p>Installation: Easy</p> <p>Warranty: 3 years</p> <p>Price: \$1000</p>	<p><a href="#">TRIAX MFA 657 Mast Amplifier: LTE Protected, 3-Input UHF/FM/DAB</a></p> <p>Detailed specifications and features of the TRIAX MFA 657 mast amplifier. This 3-input, 1-output amplifier is designed for LTE 700/800 MHz protection, offering high gain, shielding, and weatherproof operation. Includes technical data on frequency bands, gain, loss, and electrical/mechanical specifications.</p>