

TRIAX ATF 689

FULL SYNTHETIC AUTOMATIC TRANSMISSION FLUID FOR ZF 6PH, 8HP, 9HP TRANSMISSIONS

TRIAX ATF 689 is a premium full synthetic automatic transmission fluid engineered specifically for high-performance vehicles equipped with ZF 6HP, 8HP, and 9HP gearboxes. Trusted by professional technicians and performance enthusiasts alike, this fluid delivers factory-level performance with enhanced protection, durability, and smoothness under all driving conditions. Formulated with state-of-the-art friction modifiers and shear-stable base oils, TRIAX ATF 689 ensures flawless gear engagement, consistent shift quality, and long-term protection for complex multi-speed transmissions. It meets and exceeds ZF Lifeguardfluid 6, 8, and 9 specifications and is backwards compatible for all vehicles requiring ZF S671 090 255, ZF S671 090 312, or ZF S671 090 399. Compatible with a wide range of European and US makes and models including BMW, Audi, Jaguar, Land Rover, Rolls-Royce, VW, Maserati, and Dodge, Chrysler, Jeep models with ZF gearboxes.

LONG FLUID LIFE: Designed for extended drain intervals (100,000+ miles) and optimal cold-weather performance, TRIAX ensures your transmission operates at peak efficiency throughout its service life and **QUALIFIES FOR FILL FOR LIFE SERVICE** where OEMs do not mandate a specific drain interval.

PERFORMANCE HIGHLIGHTS

- Excellent cold temperature performance down to - 51 F
- High load capacity and significant wear reduction - ideal for high torque, high performance vehicles
- Provides a wide range of seal compatibility with all types of materials, keeping them in "like new" condition, preventing shrinkage and leaks
- Superior wear protection prevents clutch glazing, gear scuffing. Protects critical components like clutch packs, valve bodies, and planetary gear sets from premature wear and scoring. Maintains optimal friction levels to prevent clutch slippage, reducing heat generation and extending both transmission and fluid life well beyond OEM expectations.
- Very high viscosity index for superior viscosity stability under a wide temperature range, with no foaming• No foaming
- Exceptional frictional stability, eliminates shudder, vibration and provides seamless gear shifting under all operating conditions. Eliminates gear chatter under extreme load and temperature.

SPECIFICATIONS & APPLICATIONS

Use where applications call for the following specifications, OEM part numbers or approvals.

- | | |
|---------------------------------------|--|
| • BMW L12108 (83 22 2 152 426) | • ATF L 12108 |
| • BMW 83 22 2 305 397 | • Fiat 9.55550-AV5 |
| • BMW 83 22 2 289 720 | • Honda 08200-9017, ATF Type 3.1 |
| • Chrysler 68157995AA | • Acura ATF Type 3.0, Acura 08200-9016A |
| • Jaguar 02JDE 26444 | • LR023288, LR023289 |
| • Land Rover LR 023288 | • Mopar 68218925AA, 68157995AB |
| • VW / Audi G 060 162 A1/A2/A6 | • ZF S671 090 312, ZF TE-ML 11 9HP48, Lifeguard 6, Lifeguard 8 |
| • VW / Audi G 055 162 (A2, A6) | • Mopar 68157995AA / AB / AC → ZF Lifeguard 6 (ZF 6HP) |
| • VW G 055 162 | • Mopar 68157995AB / AC → ZF Lifeguard 8 (ZF 8HP) |
| • ZF Lifeguard fluid 8 (S671 090 312) | • Mopar 68218925AA → ZF Lifeguard 9 (ZF 9HP) |

DO NOT USE IN DSG (DUAL CLUTCH), CVT OR GM (5 AND 6 SPEED) TRANSMISSIONS

CHEMICAL PROPERTIES

Viscosity @ 100°C, cSt, ASTM D445	5.5
Viscosity @ 40°C, cSt, ASTM D445	24.5
Viscosity Index, ASTM D2270	172
Pour Point, °C, ASTM D97	-51
Flash Point, °C(F), ASTM D92	221 (430)
Specific Gravity	0.845

Small deviations from these results are expected during the manufacturing process and do not affect product performance or specification compliance.

• All trademarked names are the property of their respective owners and may be registered marks in some countries. No affiliation or endorsement claim, express or implied, is made by their use, which is strictly to guide consumers as to the application of TRIAX products and convey compatibility or lack thereof.

Applications By Vehicle

This Is Only a Summary and Does Not Include All Possible Vehicle Variations

Chrysler, Dodge, Jeep, and Ram Vehicles with ZF 8HP/9HP Transmissions

ZF 8HP Series (Longitudinal Applications)

8HP45 / 845RE (V6 models)
Chrysler 300 (2011–2023, 3.6L V6)
Dodge Charger (2012–2023, 3.6L V6)
Dodge Challenger (2015–2023, 3.6L V6)
Ram 1500 (2013–2022, 3.6L V6)
Jeep Grand Cherokee (2014–2016, 3.6L V6)

ZF 9HP Series (Transverse Applications):

9HP48 / 948TE:
Chrysler 200 (2015–2017, 2.4L & 3.6L)
Chrysler Pacifica (2017–present)
Jeep Cherokee (2014–2023)
Jeep Compass (2017–present)
Jeep Renegade (2014–present)
Ram ProMaster City (2015–present)

8HP70 / 8HP90 / 8HP95 (V8 and High-Performance Models):

Chrysler 300 (2015–2023, 5.7L V8)
Dodge Charger (2015–2023, 5.7L & 6.4L V8)
Dodge Challenger (2015–2023, 5.7L, 6.4L, 6.2L V8)
Dodge Durango (2014–2024, 5.7L & 6.4L V8)
Ram 1500 (2013–2024, 5.7L V8, 3.0L V6 diesel)
Jeep Grand Cherokee (2014–2021, 5.7L & 6.4L V8, 3.0L V6 diesel)
Jeep Grand Cherokee Trackhawk (2018–2021, 6.2L V8 Supercharged)
Ram 1500 TRX (2021–2024, 6.2L V8 Supercharged)

European Cars

BMW: 1, 3, 5, 7 Series (2001–present), X1, X3, X5, X6, X7, Z4, M models with ZF automatics

Audi: A4, A5, A6, A7, A8, Q5, Q7 (with ZF 8HP), S6, S8 (non-DSG variants)

Jaguar: XF, XJ, XE, F-Type, F-Pace

Land Rover / Range Rover: Range Rover, Sport, Velar, Discovery, Evoque

Volkswagen: Touareg (with ZF 8-speed), Some Passat and Phaeton models

Maserati: Ghibli, Quattroporte, Levante

Rolls-Royce: Ghost, Wraith, Phantom (BMW platform)

Alfa Romeo: Giulia (2015–present): Equipped with ZF 8HP50 or 8HP75 8-speed automatic transmissions across various trims, including the Quadrifoglio. Stelvio (2016–present): Tonale (2022–present): The 2.0L turbocharged petrol variant is paired with the ZF 9HP 9-speed automatic transmission.

Fiat: North American versions with the 2.4L Tigershark engine use the 9-speed Chrysler 948TE automatic transmission, which is based on the ZF 9HP design