PRODUCT DATA SHEET

ATF HP-LV

High-Performance Full-Synthetic LV ATF

Rev: Nov 13, 2026

DESCRIPTION

TRIAX ATF HP-LV is a full-synthetic, low-viscosity automatic transmission fluid engineered for the current generation of high-efficiency 6-, 8-, 9-, and 10-speed automatic transmissions. It is formulated for use in applications requiring GM DEXRON®-HP, and covers the broad Aisin Warner JWS 3324 / AW-1 and Toyota Type WS multi-vehicle low-viscosity fluid family used across the majority of European and Asian import automatics that specify a low-viscosity ATF. Built on premium synthetic base stocks with TRIAX SURE SHIFT™ friction chemistry, ATF HP-LV delivers the precise, stable frictional characteristics that modern adaptive and lock-up transmissions require, together with the oxidation stability and shear resistance needed for extended and fill-for-life service.

PERFORMANCE HIGHLIGHTS

- **TRIAX SURE SHIFT™ Technology —** proprietary ATF friction-optimization additive system that significantly improves shift quality, delivers precise clutch slip control, and eliminates clutch sticking
- **Low-viscosity efficiency —** optimized for the tight tolerances and fuel-economy targets of modern 8-to-10-speed automatics
- **Broad multi-vehicle coverage —** one fluid consolidates DEXRON®-HP, JWS 3324, AW-1, Type WS, and the major European LV service fills
- **Exceptional oxidation stability —** full-synthetic base chemistry resists thickening and deposit formation through extended drain and fill-for-life service
- **Stable friction durability —** maintains anti-shudder performance and lock-up clutch control over the life of the fluid
- **Wide-temperature performance —** low-temperature fluidity for cold-shift quality with thermal and shear stability under sustained high-load operation
- **Wear and foam protection —** protects gears, bearings, and pumps while resisting aeration in high-speed service

DO NOT USE in CVTs, dual-clutch, or ULV applications.

SPECIFICATIONS & APPLICATIONS

TRIAX ATF HP-LV is suitable for use in transmissions requiring a low-viscosity ATF meeting any of the following OEM specifications and factory-fill fluids across GM, BMW, Toyota/Lexus, Honda, Hyundai/Kia, Mazda, Mercedes-Benz, Nissan, Mitsubishi, Fiat, VW, and Aisin Warner applications.

For use in applications requiring the following specifications:

- **GM** DEXRON®-HP; 9256039 / 88863400
- **Ford** MERCON® LV
- **Aisin Warner** AW-1; JWS 3324
- **Toyota / Lexus** Type WS
- **Honda** DW-1
- **Nissan** Matic S
- **Mazda** ATF FZ
- **Mercedes-Benz** 236.41
- **Hyundai / Kia** SP-IV, SP-IV M, SP-IV RR; NWS 9638
- **Mitsubishi** ATF-J3, ATF-PA, MA1
- **BMW** multiple factory-fill fluids (see Page 2)
- **Fiat** 9.55550-AV2, 9.55550-AV6
- **VW / Audi** G 055 540 A2
- **GM** DEXRON®-VI (T62BEZ075)
- **JASO** M315 Type 1A-LV
- **ZF** TE-ML 09

▶ **For the Full OEM Part-Number Cross-Reference See Page 2**

TYPICAL PROPERTIES

Parameter	TRIAX ATF HP-LV	Test Method
Appearance / Colour	**Clear, Red**	**Visual**
Viscosity, Kinematic @ 40 °C, cSt	**29.5**	**ASTM D445**
Viscosity, Kinematic @ 100 °C, cSt	**6.2**	**ASTM D445**
Viscosity Index	**167**	**ASTM D2270**
Flash Point, °C (°F)	**233 (451)**	**ASTM D92**
Pour Point, °C (°F)	**−60 (−76)**	**ASTM D97**
Brookfield Viscosity @ −40 °C, cP	**4,500**	**ASTM D2983**
Specific Gravity @ 60 °F	**0.848**	**ASTM D1298**

These are typical values; small differences in actual values are a normal part of production and do not affect product performance. Small deviations from these results are expected during the manufacturing process and do not affect product performance, and product formulations are subject to change without notice.

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OEM SPECIFICATIONS & PART-NUMBER CROSS-REFERENCE

TRIAX ATF HP-LV is suitable for use wherever the following OEM low-viscosity ATF specifications, factory-fill fluids, and service part numbers are called for. Listing indicates suitability for the stated specification; it does not imply OEM endorsement.

General Motors, Ford & European

- GM DEXRON®-HP
- GM 9256039 / 88863400
- Mercedes-Benz MB 236.41
- VW / Audi G 055 540 A2
- Ford MERCON® LV
- GM DEXRON®-VI (T62BEZ075)
- Fiat 9.55550-AV2
- Fiat 9.55550-AV6
- Aisin Warner AW-1
- JWS 3324
- JASO M315 Type 1A-LV
- ZF TE-ML 09

BMW / Mini Factory-Fill Part Numbers

- 81 22 9 400 272
- 81 22 9 400 275
- 81 22 9 407 738
- 83 22 0 397 114
- 83 22 0 403 248
- 83 22 0 403 249
- 83 22 0 432 807
- 83 22 2 163 514
- 83 22 2 167 718
- 83 22 2 167 720
- 83 22 2 355 599
- 83 22 2 355 601
- 83 22 9 407 858
- 83 22 9 407 859

Asian OEM

- Toyota / Lexus Type WS
- Honda DW-1
- Nissan Matic S
- Hyundai NWS 9638
- Hyundai SP-IV
- Hyundai SP-IV M
- Hyundai SP-IV RR
- Kia SP-IV
- Mazda ATF FZ
- Mitsubishi ATF-J3
- Mitsubishi ATF-PA
- Mitsubishi MA1
- Aisin Warner AW-1 / JWS 3324

ATF HP-LV is a low-viscosity multi-vehicle fluid. It does not replace full-viscosity DEXRON®-III or MERCON® V fluids, CVT fluids, or DCT/DSG fluids. Always confirm the transmission's factory-fill specification and required viscosity grade before use.

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