



TRIAX Fleet HD ATF

Long-Life Full-Synthetic Heavy-Duty Automatic Transmission Fluid

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DESCRIPTION

TRIAX Fleet HD ATF is a top-tier full-synthetic heavy-duty automatic transmission fluid designed for severe-service applications in trucking, transportation, mining, agriculture, and other demanding environments. Engineered to outperform conventional ATFs, it significantly extends drain intervals — up to three times longer — with improved shear stability, oxidation resistance, and wear control. The state-of-the-art friction modifier system (including TRIAX SURE SHIFT™ technology) facilitates smooth, seamless shifting in heavily loaded transmissions, while a high EP additive rating protects synchronizers and gears in towing and high-torque applications. Full-synthetic base oils deliver high oxidation stability, long fluid life, and superior viscosity stability across a wide temperature range — permitting optimal operation from high heat down to arctic-level cold without changing fluids.

PERFORMANCE HIGHLIGHTS

- **SURE SHIFT™ Technology** — proprietary ATF friction-optimization additive system delivers smooth, consistent shift quality, precise clutch slip control, and elimination of clutch sticking across the full service life
- Long-drain service up to 3 times that of conventional ATF fluids — reduced operating cost per mile / hour
- **Superior EP protection** in all service categories — protects synchronizers and gears under towing and high-torque loads
- **Superior shear stability and oxidation control** — frictional and shear characteristics maintain fluid functionality throughout its full service life
- Improved torque transfer characteristics for seamless performance in heavily loaded transmissions
- Exceptional low-temperature fluidity — reliable transmission startup and performance in very cold (arctic-level) temperatures
- Excellent oxidation stability prevents transmission component varnish, deposits, and sludge

Suitable for heavy-duty off-road equipment fitted with automatic transmissions. Designed-drain capabilities in automatic heavy-duty truck and bus transmissions. Drain interval represents the lubricant's capability under normal duty; always follow the OEM service schedule and consult the equipment manual.

SPECIFICATIONS & APPLICATIONS

TRIAX Fleet HD ATF is suitable for use wherever applications require the OEM approvals and industry specifications listed below — spanning ZF, Allison, Voith, MAN, Mercedes-Benz, Ford, GM, Bosch, and Volvo heavy-duty automatic transmissions in trucks, buses, and off-road equipment.

Suitable for use wherever applications call for the following specifications and/or OEM approvals.

- ZF TE-ML 03D, 04D, 14B, 14C
- ZF TE-ML 16L, 16R, 17C, 20B, 21L, 25B
- Allison C-4, TES 295, TES 389, TES 668
- MAN 338 Type V2, 338 Type Z11
- MAN 339 Type Z2, 339 Type L1
- Voith H55.6336.xx
- Mercedes-Benz MB 236.9
- Ford MERCON V
- GM DEXRON III H
- Bosch TE-ML 09; Volvo 97341

TYPICAL PROPERTIES

Parameter	TRIAX Fleet HD ATF	Test Method
Viscosity, Kinematic @ 40 °C, cSt	35.3	ASTM D445
Viscosity, Kinematic @ 100 °C, cSt	7.4	ASTM D445
Viscosity Index	183	ASTM D2270
Flash Point, °C (°F)	216 (420)	ASTM D92
Pour Point, °C (°F)	-49 (-56)	ASTM D97
Specific Gravity @ 60 °F	0.87	ASTM D4052

These are typical values. There may be small differences in actual values which are a normal part of production and do not affect product performance.