

## Automatic Transmission Fluid

# AMSOIL OE FUEL-EFFICIENT 100% SYNTHETIC AUTOMATIC TRANSMISSION FLUID

Product Code: OTLQT-EA



## Product Description

AMSOIL OE Fuel-Efficient 100% Synthetic Automatic Transmission Fluid is a direct-fit synthetic ATF engineered to protect modern automatic transmissions through their full OEM-recommended drain intervals. It covers a wide range of late-model specifications from GM, Ford, Toyota, Honda, BMW, Mercedes-Benz, Hyundai/Kia, and others, making it a practical single-product solution for multi-vehicle households and shops alike.

Today's automatic transmissions pack more gears, tighter tolerances, and complex valve bodies into smaller packages than ever before. That added complexity generates more heat, puts greater stress on clutch packs, and demands precise hydraulic pressure through narrow oil passageways. A transmission fluid that breaks down, thickens, or loses its friction properties under these conditions can cause sluggish shifts, shudder, varnish buildup, and ultimately a repair bill measured in thousands.

### DURABLE WEAR PROTECTION FOR COMPLEX TRANSMISSIONS

AMSOIL OE Fuel-Efficient Synthetic ATF resists shearing and thermal degradation in both normal driving and severe service. It maintains a protective film on the valve body, gears, and clutch plates where metal-to-metal contact would otherwise cause premature wear. Vehicles with DEXRON VI transmissions, Toyota WS applications, and Honda DW-1 transaxles all benefit from this fluid's ability to hold its viscosity and additive integrity over the full service interval.

### RESISTS VARNISH AND SLUDGE FORMATION

Heat is the primary enemy of automatic transmission fluid. When conventional or lower-quality fluids break down thermally, they leave behind varnish deposits that can stick valves and restrict oil flow through the transmission's hydraulic circuits. AMSOIL OE Synthetic ATF uses a thermally stable synthetic formulation that resists oxidation and breakdown at elevated temperatures. It also resists heat-related evaporation and viscosity loss, keeping internal components clean and properly lubricated.

### RELIABLE COLD-WEATHER PERFORMANCE

Cold, thick fluid means delayed shifts, increased parasitic drag, and reduced fuel economy during warm-up. AMSOIL OE Fuel-Efficient Synthetic ATF has a Brookfield viscosity of 9,454 cP at -40 degC (ASTM D2983) and a pour point of -48 degC (-54 degF), so it flows quickly at sub-zero temperatures. For drivers in northern climates who need fast, reliable shift response on cold mornings, this fluid delivers where conventional ATFs struggle. Its low-temperature fluidity also contributes to improved fuel efficiency during the critical warm-up period.

### SMOOTH, SHUDDER-FREE SHIFTS

Torque converter lockup shudder is one of the most common complaints with modern automatic transmissions, and it is almost always a fluid issue. AMSOIL OE Synthetic ATF is formulated with friction modifiers specifically calibrated for the clutch engagement

characteristics required by DEXRON VI, MERCON LV, Toyota WS, and other demanding specifications. The result is fast, consistent shift response and smooth torque converter lockup without the vibration or hesitation that worn-out or incorrect fluid can cause.

### GUARDS AGAINST LEAKS

Seal conditioners in the formulation help maintain the flexibility of transmission seals and gaskets over time. As seals age, they dry out and shrink, creating leak paths that lower fluid levels and starve the transmission of protection. AMSOIL OE Synthetic ATF conditions these seals to reduce the risk of fluid leaks, which is especially relevant for higher-mileage GM 6-speed, Ford 6R80, and Toyota U660E transmissions.

### SPECIFICATIONS AND COMPATIBILITY

AMSOIL OE Fuel-Efficient Synthetic ATF (OTL) is recommended for transmissions requiring the following specifications: Aisin-Warner AW-1; BMW 83 22 0 142 516, 83 22 2 152 426; Chrysler MOPAR 68157995AA, SP-IV, 68218925AB; DSIH 6p805; Ford MERCON LV SP; GM DEXRON VI; Honda/Acura DW-1, Type 3.0; Hyundai/Kia SP-IV, SPH-IV, SP-IV-RR, NWS-9638, SP4-M; JASO 1A-LV; JWS 3324; Mazda ATF FZ; Mercedes-Benz 236.12, 236.14, 236.15, 236.41; Mitsubishi SP-IV, ATF J3, ATF-PA, ATF-MA1; Nissan Matic-S, Matic-W; SAAB 93 165 147; Shell M-1375.4, M-1375.5, M-1375.6, M-L12108; Toyota WS; Volvo 31256774; VW/Audi G 055 005, G 055 162, G 060 162; ZF S671 090 255.

Not for use with CVT or Ford Type F applications. AMSOIL warrants the use of this product for Chrysler ATF+4 applications above -38 degF. The product does not meet the cold temperature requirement of ATF+4 at -40 degF.

### SERVICE LIFE

Change AMSOIL OE Fuel-Efficient Synthetic ATF according to your vehicle manufacturer's recommended drain interval.

## Technical Specifications

Property	OTF	OTL	Test Method
Kinematic Viscosity @ 100 degC, cSt	7.5	5.9	ASTM D445
Kinematic Viscosity @ 40 degC, cSt	36.3	29.7	ASTM D445
Viscosity Index	181	149	ASTM D2270
Pour Point, degC ( degF)	-45 (-49)	-48 (-54)	ASTM D97
Flash Point, degC ( degF)	216 (420)	224 (435)	ASTM D92
Brookfield Viscosity @ -40 degC, cP	10,200	9,454	ASTM D2983

## Frequently Asked Questions

### Q1: What vehicles and transmissions is AMSOIL OE Fuel-Efficient Synthetic Automatic Transmission Fluid compatible with?

AMSOIL OE Fuel-Efficient 100% Synthetic Automatic Transmission Fluid (OTLQT-EA) is recommended for a wide range of passenger-car and light-truck automatic transmissions. It covers specifications from major OEMs including Ford MERCON LV, GM DEXRON VI, Toyota WS, Honda/Acura DW-1 and Type 3.0, BMW 83 22 0 142 516 and 83 22 2 152 426, Mercedes-Benz 236.12/236.14/236.15/236.41, Hyundai/Kia SP-IV and SP-IV-RR, Chrysler MOPAR 68157995AA, Nissan Matic-S and Matic-W, VW/Audi G 055 005/G 055 162/G 060 162, Volvo 31256774, and ZF S671 090 255, among others. It is not intended for CVT or Ford Type F applications.

### Q2: How does AMSOIL OE Synthetic ATF protect my transmission from wear and varnish buildup?

AMSOIL OE Fuel-Efficient Synthetic ATF is formulated to resist wear on critical transmission components including the valve body, gears, and clutch plates in both normal and severe service conditions. Its thermally stable formulation guards against thermal breakdown at elevated temperatures, resisting varnish formation that can stick valves and threaten transmission performance. It also resists heat-related evaporation and viscosity loss, helping keep components clean and protected throughout the OEM-recommended drain interval.

**Q3: What OEM specifications does AMSOIL OE Fuel-Efficient Synthetic Automatic Transmission Fluid meet?**

AMSOIL OE Fuel-Efficient Synthetic ATF meets an extensive list of OEM specifications including Ford MERCON LV, GM DEXRON VI, Toyota WS, Honda/Acura DW-1, Aisin-Warner AW-1, JASO 1A-LV, JWS 3324, Mercedes-Benz 236.12/236.14/236.15/236.41, Hyundai/Kia SP-IV/SPH-IV/SP-IV-RR/NWS-9638/SP4-M, Mitsubishi SP-IV/ATF J3/ATF-PA/ATF-MA1, Nissan Matic-S/Matic-W, VW/Audi G 055 005/G 055 162/G 060 162, Volvo 31256774, ZF S671 090 255, and several others. This broad specification coverage makes it suitable as a single fluid for many different transmission types across multiple vehicle brands.

**Q4: How does AMSOIL OE Fuel-Efficient ATF compare to factory-fill automatic transmission fluid?**

AMSOIL OE Fuel-Efficient Synthetic ATF is a 100% synthetic formulation designed to meet or exceed the same OEM specifications as factory-fill fluids while offering enhanced protection against wear, varnish, and thermal breakdown. Unlike conventional ATFs that may thicken in cold weather, it remains fluid in sub-zero temperatures for fast, reliable shifts during cold starts. Its friction modifier formulation promotes smooth, shudder-free shifts and fast shift response, and its seal conditioners help prevent leaks that can develop over time.

**Q5: How often should I change AMSOIL OE Fuel-Efficient Synthetic Automatic Transmission Fluid?**

AMSOIL OE Fuel-Efficient Synthetic Automatic Transmission Fluid should be changed according to your vehicle manufacturer's recommended drain intervals. It is engineered to deliver excellent wear protection, sludge resistance, and extreme-temperature performance throughout the full OEM-recommended service life. Always consult your owner's manual for the specific drain interval applicable to your vehicle and driving conditions.

**Q6: Is AMSOIL OE Fuel-Efficient Synthetic ATF safe for transmission seals and gaskets?**

Yes, AMSOIL OE Fuel-Efficient Synthetic ATF is formulated with seal conditioners specifically designed to help prevent seals and gaskets from drying out and cracking, reducing the risk of fluid leaks. This makes it safe and beneficial for transmission sealing components over the life of the fluid. However, it is not compatible with CVT transmissions or Ford Type F applications, so vehicle owners should verify their transmission's specification requirements before use.

**Available Product Codes**

Product Code	Package Size	Unit of Measure
OTLQT-EA	Quart Bottle	Each
OTLQT-CA	Quart Bottle	Case of 12
OTL1G-EA	Gallon Jug	Each
OTL1G-CA	Gallon Jug	Case of 4
OTLTP-EA	2.5 Gallon Jug	Each
OTLTP-CA	2.5 Gallon Jug	Case of 2
OTL55-EA	55 Gallon Drum	Each
OTL27-EA	275 Gallon Tote	Each

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