



# ENEOS ECO ATF

## Fully Synthetic Energy Saving ATF – Fuel Economy

ENEOS ECO-ATF is a fuel efficient, low viscosity automatic transmission fluid for Lexus, Toyota, Honda, Nissan, Mazda, Suzuki, Volkswagen, GM and Ford vehicles. It contains premium base stocks (with improved Oxidation & thermal stability) and low-molecular weight VI improver (to provide high resistance to mechanical shear and fatigue). ENEOS ECO-ATF is developed using Japanese technology to improve fuel economy in automatic transmissions and will help to reduce energy loss from oil churning in the torque converter and reduce drag resistance in the shift clutch without compromising fatigue prevention or anti-wear performance. This oil is also suitable for all AISIN Transmissions.

### FEATURES & BENEFITS

- Compatible with Both Regular and Slip-Lockup Automatic Transmissions**  
 ENEOS ECO-ATF is multipurpose ATF that can be used in both regular automatic transmissions and in the increasingly popular transmissions that have slip-lockup control systems.
- Outstanding Friction Characteristics and Anti-shudder Protection**  
 Thanks to its well-balanced blend of carefully selected additives, ENEOS ECO-ATF has outstanding friction characteristics with wet clutches and brakes (characteristics that affect shifting performance of automatic transmissions). As a result, gear shifting is smoother with less shock. The fluid also has superb, long-lasting anti-shudder protection.
- Excellent Compatibility with Transmission Materials**  
 The friction modifiers and other additives in ENEOS ECO-ATF have been carefully screened for top-level compatibility with the rubber, nylon and plastic materials used in the components of automatic transmissions.
- Provides Top-Class ATF Performance**  
 The well-balanced blend of high-performance base oils and carefully selected additives used in ENEOS ECHO-ATF ensure superior performance in every area required of ATFs, including low-temperature flow properties, oxidation stability, anti-wear, shear stability, and foaming prevention.

### APPLICATION

- ENEOS ECO-ATF is compatible with ALL Japanese vehicles equipped with torque converter automatic transmissions (excluding CVTs). This includes conventional 4-speed slip-lock-up ATs, 5- and 6-speed automatic transmissions. ENEOS ECO-ATF is compatible with all types of rubber, nylon and resin materials used for mechanical parts (seals, gaskets, friction materials, etc.) typically found in automatic transmissions.
- ENEOS ECO-ATF is compatible with transmission requiring Toyota T-IV and WS, Honda Z1, Nissan Matic J and S, Mitsubishi/Hyundai/Kia SP-III, GM Dexron III and Ford Marcon (not compatible with CVTs and ATs which are recommended to use Ford Type F.)
- ENEOS ECO-ATF is suitable for all AISIN WARNER automatic transmissions in Japanese, European and American vehicles

### APPLICABLE VEHICLES

- All Automobiles with torque-converter automatic transmissions EXCEPT the following:
  - Automobiles with continuously variable transmissions (CVT);
  - Automobiles designated for Ford Type F ATFs (manufactured in 1986 or earlier);
  - Non-Japanese cars requiring original ATFs.
- Please inquire about other types of vehicles.



PACK SIZES

- 1L, 4L, 60L

TYPICAL PROPERTIES

<b>Appearance</b>		Red
<b>Kinematic Viscosity</b>		
at 40°C	mm <sup>2</sup> /s	27.5
at 100°C	mm <sup>2</sup> /s	5.7
<b>Viscosity Index</b>		156
<b>LT Viscosity (-40°C)</b>	mPa-s	11300
<b>Density at 15°C</b>	g/cm <sup>3</sup>	0.849
<b>Flash Point COC</b>	°C	215
<b>Pour Point</b>	°C	-45
<b>TBN (HCl method)</b>	mg KOH/g	2
<b>TAN</b>	mg KOH/g	1.5
<b>Aniline Point</b>	°C	110

COMPATIBILITY OF ENEOS ECO ATF

Manufacturer	Name of Genuine Oil	Compatible
Toyota	ATF Type T	Yes
	ATF Type T-IV	Yes
	ATF WS	Yes
Lexus	ATF Type T-IV	Yes
	ATF WS	Yes
Scion	ATF Type T-IV	Yes
	ATF WS	Yes
Nissan	Matic Fluid D	Yes
	Matic Fluid J	Yes
	Matic Fluid K	Yes
	Matic Fluid S	Yes
	Matic Fluid W	Yes
	CVT Fluid NS-1, CVT Fluid NS-2	NO (Use ENEOS CVT Fluid)
Infiniti	Nissan Matic J	Yes
	Nissan Matic D	Yes
	Nissan Matic S	Yes
Honda	Honda ATF DW-1	Yes
	Honda Ultra ATF-Z1	Yes
	HMMF	NO
	Honda CVT Fluid	NO (Use ENEOS CVT Fluid)
Acura	Honda ATF Z-1	Yes
Mazda	ATF Type-IV (JWS 3317)	Yes
	ATF M-V	Yes
	Mercon V, Mercon	Yes
Subaru	Subaru ATF-HP	Yes
	Subaru ATF	Yes
	Opel Original ATF 09117946	Yes
	ECVT Fluid / i CVT fluid	NO
Isuzu	Vesco ATF II/III	Yes
	NAVi-5 (Electronic 5 speed AT)	NO
BMW	ATF 6	Yes
Suzuki	ATF 5D06	Yes
	ATF Type-IV (JWS 3309)	Yes
	Esso LT 71141	NO
	SCVT Fluid	NO
	Suzuki CVT oil	NO (Use ENEOS CVT Fluid)
	Gear Oil (used for new CVT vehicles)	NO (Use ENEOS CVT Fluid)
	Suzuki CVT Fluid Green 1	NO (Use ENEOS CVT Fluid)



Hyundai / KIA	ATF Type WS (NWS-9638)	Yes
	ATF Type T-IV (JWS 3309)	Yes
	Apolloil ATF Red-1K	NO
	Shell ATF M-1375.4	NO
Mitsubishi	DiaQueen ATF AW	Yes
	DiaQueen ATF SK	Yes
	DiaQueen ATF II	Yes
	DiaQueen CVT Fluid J1	NO (Use ENEOS CVT Fluid)
Ford / Ford Trucks	ATF Type T-IV (JWS 3309)	Yes
	Mercon LV (XT-10-QLV)	NO
	Mercon SP (XT-6-QSP)	NO
	FNR5 ATF (XT-9-QMM5)	NO
	CVT Fluid (XT-7-QCFT)	NO (Use ENEOS CVT Fluid)
Lincoln	ATF Type T-IV (JWS 3309)	Yes
	Mercon LV (XT-10-QLV)	NO
	Mercon SP (XT-6-QSP)	NO
	FNR5 ATF (XT-9-QMM5)	NO
Mercury	ATF Type T-IV (JWS 3309)	Yes
	Mercon SP (XT-6-QSP)	NO
	ATF Type F (XT-1-QF)	NO
	FNRS ATF (XT-9-QSP)	NO
	P/N XT-7QCFT (CVT)	NO
Pontiac	Toyota ATF WS (JWS 3324)	Yes
	Dexron VI	NO
	AC Delco T-IV	NO
Saturn	Honda ATF-Z1	Yes
	Dexron VI	NO
	DEX-CVT Fluid	NO
	Saturn T-IV Fluid	NO
Audi	ATF Type T-IV (JWS 3309)	Yes
	Esso LT 71141	NO
	G 052 025 (09D), G 052 190 (CVT)	NO
	G 052 182 (02E), G 052 990 (09A)	NO
	G 055 005 (09E, 09L)	NO
	G 055 162 (09E, 09L, OAT)	NO
Land Rover	ATF Type T-IV (JWS 3309)	Yes
	Esso LT 71141	NO
	Texaco ETL-7045E	NO
	Texaco N402	NO
	Shell ATF M-1375.4	NO
Mini	ATF Type T-IV (JWS 3309)	Yes
	Esso CVT EZL 799 Fluid	NO
Porsche	ATF Type T-IV (JWS 3309)	Yes
	Esso LT 71141	NO
	Shell ATF 3403 M115	NO
	Porsche 000 043 30400	NO
SAAB	SAAB 3309 (Type T-IV)	Yes
	ATF Type F	NO
	Dexron VI	NO
	SAAB 93 165 147	NO
Volkswagen	ATF Type T-IV (JWS 3309)	Yes
	Esso LT 71141	NO
	G 052 025 (09D, 09M)	NO
	G 052 182 (02E)	NO
	G 052 990 (09A)	NO
	G 055 005 (09L)	NO
G 055 540 A2	Yes	
Volvo	ATF Type T-IV (JWS 3309)	Yes
	Volvo 1161540	NO

Note: The information contained in this application chart is provided as a general usage guide, based on the most current information available. You should always consult your vehicle owner's manual or check with the manufacturer to verify the proper fluid recommendation for your vehicle. ENEOS is a trademark of JX Nippon Oil & Energy Corporation and is not affiliated with or endorsed by the respective owners of the trademarks and brands mentioned herein. The information provided is accurate to our best knowledge. We will not be responsible for any errors, omissions or typographical errors that may be contained herein.