

# 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, Ford and other 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.

### SPECIAL FEATURES

#### 1. 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.

#### 2 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.

#### 3. 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.

#### 4. 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.

## CONTAINERS

1L, 4L

## 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

Note: The typical properties may be changed without notice (November 2024)

## COMPATIBILITY OF ENEOS ECO ATF

Manufacturer	Name of Genuine Oil	Compatible
<b>Toyota</b>	ATF D-II	Yes
	ATF D-III	Yes
	ATF Type T	Yes
	ATF Type T-IV	Yes
	ATF WS	Yes
<b>Lexus</b>	ATF D-III	Yes
	ATF Type T-IV	Yes
	ATF WS	Yes
<b>Scion</b>	ATF Type T-IV	Yes
	ATF WS	Yes
<b>Nissan</b>	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
<b>Infiniti</b>	Dexron II, III	Yes
	Nissan Matic J	Yes
	Nissan Matic D	Yes
	Nissan Matic S	Yes
<b>Honda</b>	Honda Ultra ATF	Yes
	Honda Ultra ATF-Z1	Yes
	HMMF	NO
	Hond CVT Fluid	NO
<b>Acura</b>	Honda ATF Z-1	Yes
<b>Mitsubishi</b>	DiaQueen ATF SP-II	Yes
	DiaQueen ATF SP-III	Yes
	DiaQueen ATF II	Yes
	DiaQueen ATF AW	Yes

Manufacturer	Name of Genuine Oil	Compatible
	DiaQueen CVT Fluid J1	NO
	DiaQueen ATF SK	Yes
<b>Mazda</b>	Dexron-III	Yes
	Mercon	Yes
	Mercon V	Yes
	ATF Type-IV (JWS 3317)	Yes
	ATF M-V	Yes
<b>Subaru</b>	Subaru ATF	Yes
	Opel Original ATF 09117946	Yes
	ECVT Fluid / i CVT fluid	NO
<b>Isuzu</b>	Vesco ATF II/III	Yes
	NAVi-5 (Electronic 5 speed AT)	NO
<b>Suzuki</b>	ATF Dexron II	Yes
	ATF Dexron III	Yes
	ATF 5D06	Yes
	ATF Type-IV (JWS 3309)	Yes
	Esso LT 71141	NO
	SCVT Fluid	NO
	Suzuki CVT oil	NO
	Gear Oil (used for new CVT vehicles)	NO
	Suzuki CVT Fluid Green 1	NO
<b>Daihatsu</b>	Dexron II, III	Yes
<b>Hyundai</b>	Dexron II	Yes
	Hyundai SP-II, SP-III ATF	Yes
	ATF Type WS (NWS-9638)	Yes
	ATF Type T-IV (JWS 3309)	Yes
	Apolloil ATF Red-1K	NO
	Shell ATF M-1375.4	NO
<b>KIA</b>	Dexron II, III	Yes
	Diamond SP-III ATF	Yes
	Apolloil ATF Red-1K	NO
<b>Daewoo</b>	Dexron III	Yes
	Esso LT 71141	NO
<b>AM General</b>	Dexron III	Yes
<b>American Motors</b>	Dexron III	Yes
	Dexron VI	NO
	Mercon	YES
<b>Buick</b>	Dexron II, III	Yes
	Dexron VI	NO
<b>Cadillac</b>	Dexron III	Yes
	Dexron VI	NO
<b>Chevrolet</b>	Dexron III	Yes
	Dexron VI	NO
	AC Delco T-IV	NO
<b>Chevrolet / GMC Trucks</b>	Dexron III	Yes
	Dexron VI	NO
	AC Delco T-IV	NO
<b>Chrysler</b>	Mopar ATF +3, Mopar ATF +4	NO
	Shell ATF 3403	NO
<b>Dodge / Dodge Trucks</b>	Diamond SP-III ATF	Yes
	Mopar ATF +3, Mopar ATF +4	NO
	Mopar AS68RC ATF	NO
	Mopar CVT+4	NO
	Shell ATF 3403, Shell ATF 3353	NO
	Shell ATF 3603/M-115	NO
<b>Ford / Ford Trucks</b>	Mercon	Yes
	Mercon V	Yes
	ATF Type T-IV (JWS 3309)	Yes
	Mercon LV (XT-10-QLV)	NO

Manufacturer	Name of Genuine Oil	Compatible
	Mercon SP (XT-6-QSP)	NO
	FNR5 ATF (XT-9-QMM5)	NO
	CVT Fluid (XT-7-QCFT)	NO
<b>Jeep</b>	Dexron III	Yes
	Mercon	Yes
	Mopar ATF +3, ATF+4	NO
	Mopar CVT+4	NO
	Shell ATF 3403	NO
<b>Lincoln</b>	Mercon	Yes
	Mercon V	Yes
	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
<b>Mercury</b>	Mercon	Yes
	Mercon V	Yes
	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
<b>Merkur</b>	Mercon	Yes
<b>Oldsmobile</b>	Dexron III	Yes
<b>Plymouth</b>	Mopar ATF+3, ATF+4	NO
	Diamond SP-III ATF	Yes
<b>Pontiac</b>	Dexron III	Yes
	Dexron VI	NO
	AC Delco T-IV	NO
	Toyota ATF WS (JWS 3324)	Yes
<b>Saturn</b>	Dexron III	Yes
	Dexron VI	NO
	DEX-CVT Fluid	NO
	Honda ATF-Z1	Yes
	Saturn T-IV Fluid	NO
<b>Alfa Romeo</b>	Dexron II, III	Yes
<b>Audi</b>	Dexron II-E/III	Yes
	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
<b>BMW</b>	Dexron II, III	Yes
	Esso LT 71141	NO
	Shell LA2634, M-1375.4	NO
	Texaco ETL 7045E, ETL 8072B	NO
	BMW 83220403249 (GA6L45R)	NO
<b>Fiat</b>	Dexron II	Yes
<b>Jaguar</b>	Dexron III	Yes
	Mercon V	Yes
	Esso LT 71141	NO
	Shell ATF 3404 M115	NO
	Shell ATF M-1375.4	NO
	ATF Type F	NO
	ATF Idemitsu K17	NO
<b>Land Rover</b>	Dexron II, III	Yes
	ATF Type T-IV (JWS 3309)	Yes
	Esso LT 71141	NO
	Texaco ETL-7045E	NO

Manufacturer	Name of Genuine Oil	Compatible
	Texaco N402	NO
	Shell ATF M-1375.4	NO
<b>Mercedes-Benz</b>	Dexron-II-E/III	Yes
	Shell ATF 3403 M115	NO
	Fuchs ATF 3353	NO
<b>Mini</b>	ATF Type T-IV (JWS 3309)	Yes
	Esso CVT EZL 799 Fluid	NO
<b>Peugeot</b>	Dexron II	Yes
<b>Porsche</b>	Dexron II, III	Yes
	ATF Type T-IV (JWS 3309)	Yes
	Esso LT 71141	NO
	Shell ATF 3403 M115	NO
	Porsche 000 043 30400	NO
<b>Renault</b>	Dexron II	Yes
<b>SAAB</b>	Dexron II, III	Yes
	SAAB 3309 (Type T-IV)	Yes
	ATF Type F	NO
	Dexron VI	NO
	SAAB 93 165 147	NO
<b>Sterling</b>	Dexron II	Yes
<b>Volkswagen</b>	Dexron II, III	Yes
	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
<b>Volvo</b>	Dexron III	Yes
	Mercon	Yes
	ATF Type T-IV (JWS 3309)	Yes
	Volvo 1161540	NO

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