

### PRODUCT DESCRIPTION

ATF WS is a fully synthetic low viscosity fluid for automatic transmission with or without slip controlled lock-up clutch system. Specifically engineered for 6 speed system of TOYOTA and LEXUS vehicles, equipped with AISIN-WARNER automatic transmissions. Reduces friction in automatic gearbox to optimize fuel economy.

ATF WS provides full protection to all parts of the transmission system and guarantees a reliable performance even in high loads. Superior automatic transmission response and smoother gear shifts. It meets the requirements of all AISIN-WARNER automatic transmission in Japanese, American, European and other OEMs requiring a WS fluid.

### APPLICATION

Recommended for use in 2004 and above TOYOTA, LEXUS, VOLVO, and other 6 speed AISIN-WARNER automatic transmission systems where WS is required. Suitable for use in many TOYOTA & LEXUS hybrid CVT cars.

NOT backward compatible with ATF Type T-IV or DEXRON ATF.

### WARRANTY

ATF WS meets or exceeds the OEM's warranty requirements where WS fluid is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

### TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	STANDARDS
Kinematic viscosity at:			
40 °C	cSt	27.97	ASTM D445
100 °C	cSt	5.75	ASTM D445
Viscosity index	-	154	ASTM D2270
Color	-	Red	ASTM D1500
Flash point	°C	220	ASTM D92
Pour point	°C	-45	ASTM D6892
Density at 30 °C	kg/L	0.8344	ASTM D4052

### CUSTOMER BENEFITS

- Fuel economy**  
 Excellent fluidity at low temperatures which enhances smoother gear shifts during start up, allowing lesser fuel consumption.
- Extended protection**  
 Wear protection, better shear stability and oxidation resistance in hot temperatures, key factors to prolong the transmission system life.
- Optimized drain intervals**  
 Superior control of sludge, varnish, rust, corrosion and other harmful deposits to ensure maximum fluid life.

### MEETS SPECIFICATIONS & REQUIREMENTS OF:

- AISIN WARNER JWS 3324
- AISIN WARNER JWS AW-1
- LEXUS JWS 3309
- TOYOTA ATF WS

Refer to chart for additional specifications & SFU list.

Suitable for use in various OEMs such as TOYOTA, LEXUS, VOLVO, and other AISIN-WARNER systems where WS fluid is required. For use in 4Runner, Land Cruiser, Prius, Avalon HV, Avalon, Sequoia, Tacoma, Tundra, Camry, Camry HV, Sienna, Yaris, Corolla, Matrix, Venza, FJ Cruiser, Highlander HV, RAV4, Highlander, Prius C, Prius V, Prius PHV.

Before using this product, ensure it is consistent with OEM's recommendations for the equipment operating conditions and customer's maintenance practices.

**ADDITIONAL SPECIFICATIONS & SUITABLE FOR USE LIST**

OEM/BRAND	SPECIFICATIONS
<b>AISIN</b>	ATF0WS, AW-1, 123941, JWS-3324
<b>Hyundai</b>	WS, NWS 9638
<b>Lexus</b>	JWS 3324, NWS 9638
<b>Scion</b>	JWS 3324, NWS 9638
<b>Toyota</b>	JWS 3324, NWS 9638, 08886-02305 TOYOTA ATF WS 4L, 08886-80807 TOYOTA ATF WS 1L, 00289-ATFWS TOYOTA ATF WS 1L, 08886-81210 TOYOTA ATF WS 1L, 08886-02303 TOYOTA ATF WS 20L, 08886-80803 TOYOTA ATF WS 20L

**STORAGE AND HANDLING GUIDELINES**

- Avoid exposing products to direct sunlight.
- Store in cool and dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors or under cover on pallets and racks.

**HEALTH, SAFETY & ENVIRONMENT PROTECTION**

Information on health, safety and environment protection is described in the product Safety Data Sheet (SDS). The SDS file contains details on potential hazards, precautions and first aid measures, as well as information on environmental impact and disposal of used products.

TOTACHI INDUSTRIAL CO. LTD. disclaims any liability in case the product is used with violation of these instructions and warnings or it is not used for its intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.