

ATF WS

PRODUCT DESCRIPTION

Synthetic low viscosity ATF, designed specifically for TOYOTA and LEXUS cars, equipped with latest generation AISIN-WARNER automatic transmissions. The global tendency (the index WS means World Standard) is lowering viscosity of modern automatic transmissions to reduce inner resistance losses, thus decreasing fuel consumption. This is why the viscosity grade of Toyota ATF WS is lower than the viscosity of previous TOYOTA specifications requirements, constituting less than 6 cSt in operating condition (for example, water viscosity is 1 cSt). The product provides full protection of all parts and reliable performance of automatic transmission in high loads. The extended service life of this fluid is sometimes referred to as “life-long”.

APPLICATION

- The product is designed specifically for the latest AISIN-WARNER automatic transmissions of TOYOTA and LEXUS cars, which are widely spread since mid 2000's.
- The product is recommended for use as transmission fluid for CVTs in many TOYOTA and LEXUS hybrid cars, like Prius.
- The product can be used in AISIN-WARNER transmissions with JWS 3324 or NWS-9638 specifications requirements.

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	ASTM
Kinematic viscosity at:			
40 °C	cSt	26,89	ASTM 445
100 °C	cSt	5,694	ASTM 445
Flash point	°C	230	ASTM D92
Pour point	°C	-42	ASTM D97
Density at 30 °C	Kg/l	0,8360	ASTM D4052
Viscosity index		160	ASTM D2270
Color		Red	ASTM D1500

CUSTOMER BENEFITS

- The product meets requirements of most advanced automatic transmission OEMs which recommend ATFs with low viscosity level for increasing operational efficiency and lowering fuel consumption.
- The genuine additive technology allows to minimize wear and provide the required friction rate for transferring torque. The product contributes to smooth and noiseless gear shifts in wide range of operating temperatures.
- TOTACHI ATF WS offers outstanding antioxidizing performance and guaranteed oil film shear strength, which provides “life-long” service life of ATF.

MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- TOYOTA ATF WS *1

* ATF WS meets the requirements of Toyota JWS 3324, NWS 9638 specifications

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

MEETS REQUIREMENTS AND SPECIFICATIONS (additional table)

Acura	ATF DW-1	CA66844	General Motors	DEXRON VI	88861044
Acura	ATF DW-1	08200-9008A	General Motors	DEXRON VI	88861045
Acura	ATF DW-1	08200-9009A	General Motors	DEXRON VI	88861046
Acura	ATF DW-1	08266-99964	General Motors	DEXRON VI	93165414
Aisin Warner	AW-1 (AF40-6)		General Motors	DEXRON VI	93744589
Aisin Warner	JWS-3324		General Motors	DEXRON VI	93744590
Aisin Warner	NWS-9638		General Motors	WS ATF	88863400
Allison	DEXRON VI		General Motors	WS ATF	88863401
Audi	M-1375.4	G-055-005-A1	Honda	ATF DW-1	CA66844
Audi	M-1375.4	G-055-005-A2	Hyundai	ATF SP-IV	00232-19045
Audi	M-1375.4	G-055-005-A6	Hyundai	ATF SP-IV	04500-00115
Audi	M-1375.5	G-055-162-A1	Hyundai	ATF SPH-IV	00232-19045
Audi	M-1375.5	G-055-162-A2	Hyundai	ATF 1375.4	04500-00190
Audi	M-1375.5	G-055-162-A6	Hyundai	ATF 9638	04500-00180
Audi	M-1375.6	G-060-162-A1	Hyundai	M-1375.4	00232-19001
Audi	M-1375.6	G-060-162-A2	Hyundai	M-1375.4	00232-19015
Audi	M-1375.6	G-060-162-A6	Hyundai	M-1375.4	040000C90SG
BMW	DEXRON VI	83 22 0 432 807	Hyundai	NWS-9638 T5	00232-19000
BMW	DEXRON VI	83 22 0 397 114	Hyundai	NWS-9638 T5	00232-19016
BMW	M-1375.4	83 22 0 142 516	Infiniti	Matic-S	KLE24-00002
BMW	M-1375.4	83 22 0 144 137	Infiniti	Matic-S	999MP-MTS00P
Chevrolet	ATF AW-1	19256039	Jaguar	M-1375.4	C2C 8432
Chevrolet	ATF AW-1	19256040	Jaguar	M-1375.4	Fluid 8342
Chevrolet	AW-1	93165147	Jeep	DEXRON VI	68043742AA
Chevrolet	DEXRON VI	88861003	Kia	ATF SP IV	UM090-CH042
Chevrolet	DEXRON VI	88861004	Kia	ATF SP-IV	00232-19045
Chevrolet	DEXRON VI	88861043	Kia	ATF SP-IV	04500-00115
Chevrolet	DEXRON VI	88861044	Kia	ATF SPH-IV	00232-19045
Chevrolet	DEXRON VI	88861045	Kia	ATF 1375.4	04500-00190
Chevrolet	DEXRON VI	88861046	Kia	ATF 9638	04500-00180
Chevrolet	DEXRON VI	93165414	Kia	M-1375.4	UM080-CH032
Chevrolet	DEXRON VI	93744589	Kia	M-1375.4	00232-19001
Chevrolet	DEXRON VI	93744590	Kia	M-1375.4	00232-19015
Chevrolet	WS ATF	88863400	Kia	M-1375.4	040000C90SG
Chevrolet	WS ATF	88863401	Kia	NWS-9638 T5	00232-19000
Chrysler	DEXRON VI	68043742AA	Kia	NWS-9638 T5	00232-19016
Daewoo	AW-1	93165147	Land Rover	AW-1 ATF	
Daewoo	DEXRON VI	93165414	Land Rover	M-1375.4	LRN1375
Daewoo	DEXRON VI	93744589	Land Rover	M-1375.4	TYK500050
Daewoo	DEXRON VI	93744590	Lexus	Auto Fluid WS	00289-ATFW5
Dodge	DEXRON VI	68043742AA	Lexus	Auto Fluid WS	08886-02303
Dodge	L12108	ZF 8-Speed	Lexus	Auto Fluid WS	08886-02305
Ford	MERCON LV	CXT-10-LV12	Lexus	Auto Fluid WS	08886-80803
Ford	MERCON LV	CXT-11-DLV	Lexus	Auto Fluid WS	08886-80807
Ford	MERCON LV	XT-10-QLV	Lexus	Auto Fluid WS	08886-81210
Ford	MERCON LV	XT-10-QLVC	Lexus	WS (JWS-3324)	
Ford	MERCON LV	XT-11-DLV	Lexus	WS (NWS-9638)	
Ford	MERCON SP	CXT-6-DSP	Lincoln	MERCON LV	CXT-10-LV12
Ford	MERCON SP	CXT-6-LSP12	Lincoln	MERCON LV	CXT-11-DLV
Ford	MERCON SP	XT-6-DSP	Lincoln	MERCON LV	XT-10-QLV
Ford	MERCON SP	XT-6-QSP	Lincoln	MERCON LV	XT-10-QLVC
General Motors	ATF AW-1	19256039	Lincoln	MERCON LV	XT-11-DLV
General Motors	ATF AW-1	19256040	Lincoln	MERCON SP	CXT-6-DSP
General Motors	AW-1	93165147	Lincoln	MERCON SP	CXT-6-LSP12
General Motors	DEXRON VI	88861003	Lincoln	MERCON SP	XT-6-DSP
General Motors	DEXRON VI	88861004	Lincoln	MERCON SP	XT-6-QSP
Lincoln	MERCON LV	XT-10-QLV	Scion	Auto Fluid WS	08886-02303
Lincoln	MERCON LV	XT-10-QLVC	Scion	Auto Fluid WS	08886-02305
Lincoln	MERCON LV	XT-11-DLV	Scion	Auto Fluid WS	08886-80803

ATF WS — continued

Lincoln	MERCON SP	CXT-6-DSP	Scion	Auto Fluid WS	08886-80807
Lincoln	MERCON SP	CXT-6-LSP12	Scion	Auto Fluid WS	08886-81210
Lincoln	MERCON SP	XT-6-DSP	Scion	WS (JWS-3324)	
Lincoln	MERCON SP	XT-6-QSP	Scion	WS (NWS-9638)	
Maserati	M-1375.4	231603	Suzuki	Matic-S	
Mazda	MERCON LV	0000-77-122E-01	Toyota	Auto Fluid WS	00289-ATFWS
Mercury	MERCON LV	CXT-10-LV12	Toyota	Auto Fluid WS	08886-02303
Mercury	MERCON LV	CXT-11-DLV	Toyota	Auto Fluid WS	08886-02305
Mercury	MERCON LV	XT-10-QLV	Toyota	Auto Fluid WS	08886-80803
Mercury	MERCON LV	XT-10-QLVC	Toyota	Auto Fluid WS	08886-80807
Mercury	MERCON LV	XT-11-DLV	Toyota	Auto Fluid WS	08886-81210
Mercury	MERCON SP	CXT-6-DSP	Toyota	WS (JWS-3324)	
Mercury	MERCON SP	CXT-6-LSP12	Toyota	WS (NWS-9638)	
Mercury	MERCON SP	XT-6-DSP	Volkswagen	M-1375.4	G-055-005-A1
Mercury	MERCON SP	XT-6-QSP	Volkswagen	M-1375.4	G-055-005-A2
Mitsubishi	ATF SP-IV		Volkswagen	M-1375.4	G-055-005-A6
Mitsubishi	ATF SPH-IV		Volkswagen	M-1375.5	G-055-162-A1
Mitsubishi	DQ ATF AW	4029401	Volkswagen	M-1375.5	G-055-162-A2
Mitsubishi	DQ ATF J2	MZ320030	Volkswagen	M-1375.5	G-055-162-A6
Nissan	Matic-S	KLE24-00002	Volkswagen	M-1375.6	G-060-162-A1
Nissan	Matic-S	999MP-MTS00P	Volkswagen	M-1375.6	G-060-162-A2
Scion	Auto Fluid WS	00289-ATFWS	Volkswagen	M-1375.6	G-060-162-A6

STORAGE AND HANDLING GUIDELINES

- Avoid exposing products to direct sunlight.
- Cans, packed in cardboard boxes, must be stored in dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors on pallets and racks.
- If stored outdoors drums should be placed sidewise to avoid accumulation of moisture.

HEALTH, SAFETY AND 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.

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