

QUAKER STATE® ULTIMATE MULTI-VEHICLE ATF

PREMIUM, SYNTHETIC TECHNOLOGY MULTI-VEHICLE

AUTOMATIC TRANSMISSION FLUID

TECHNICAL DATA SHEET



Premium performance, synthetic technology fluid designed to meet the needs of multiple vehicle types for service fill in automatic transmission service. Quaker State® Ultimate Synthetic Multi-Vehicle ATF meets the needs of many Asian and North American designed automatic transmissions.

PERFORMANCE, FEATURES & BENEFITS

Friction modified

Provides consistent, reliable, smooth and trouble free operation of automotive transmission systems.

Exceptionally high oxidation resistance

Resistant to oil degradation and keeps automatic transmissions clean.

Excellent shear-stability

A special 'VI' improver minimises the changes in viscosity with operating temperature.

Dependable anti-wear and gear protection

Long component life

Low temperature performance

Excellent oil fluidity at low temperatures

Synthetic base fluids

Excellent fluid life in the most demanding applications

MAIN APPLICATIONS

- Passenger car automatic transmissions
- Heavy duty automatic transmissions

Colour

Quaker State Ultimate Synthetic Multi-Vehicle ATF is dyed red for identification purposes.

- Power steering units
- Hydraulic systems requiring this grade of fluid

SPECIFICATIONS, APPROVALS & RECOMMENDATIONS

- Ford Mercon® V, Mercon®
- General Motors Dexron® IIIH
- JASO 1-A, 2A-02
- Allison C-4
- Aisin JWS 3309 (all applications)
- See the application chart and notes for additional vehicle coverage

For a full listing of equipment approvals and recommendations, please consult your local Technical Help Desk.

To find the right Quaker State® product for your vehicles and equipment, please consult www.quakerstate.com to look up the right motor oil recommendation using our oil selector.

TYPICAL PHYSICAL CHARACTERISTICS

Properties			Method	QS Ultimate Multi-Vehicle ATF
Viscosity	@-40°C	mPa.s	ASTM D2983	12 000
Viscosity	@100°C	mm ² /s	ASTM D445	7.2

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Properties			Method	QS Ultimate Multi-Vehicle ATF
Density	@15°C	kg/m ³	ASTM D1298	850
Flash Point	COC	°C	ASTM D92	190

These characteristics are typical of current production. While future production will conform to Quaker State's® specification, variations in these characteristics may occur.

Dexron® is a trademark in many countries belonging to General Motors Company. Mercon® is a trademark in many countries belonging to Ford Motor Company.

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APPLICATION TABLE

Manufacturer	Fluid Specification	Manufacturer	Fluid Specification
Aisin	JWS 3309	Mercedes-Benz	Pre-1996
Allison	C-4	Mitsubishi	Diamond SP-II
Audi	G 055 025-A2	Mitsubishi	Diamond SP-III
Audi	G052 162-A1	Nissan/Infiniti	Matic-D
BMW	LA2634, ETL-7045E	Nissan/Infiniti	Matic-J
BMW	LT71141	Nissan/Infiniti	Matic-K
Ford	MERCON	Porsche	JWS 3309 (Cayenne)
Ford	MERCON V	Saab	JWS 3309 and 5 speed automatics
Ford	M2C138-CJ	Scion	T-II, T-III, T-IV
Ford	M2C166-H	Subaru	ATF
Ford	M2C202-B	Subaru	ATF-HP
Ford	WSS-M2C924-A (JWS 3309 in Five Hundred and Montego)	Suzuki	Dexron III
Ford	M2C922-A1	Texaco	ETL-7045E, N402
GM	Type A, Suffix A	Toyota	Type T-II
GM/Saturn	9986195 (JWS 3309)	Toyota	Type T-III, and where a Dexron III fluid is allowed
GM	DEXRON	Toyota/Lexus	Type T-IV
GM	DEXRON-II	Voith	55.6335.32 (G607, G1363) Voith DIWA #013S
GM	DEXRON-II D	Volvo	JWS 3309, 5 Speed Automatics, TE-ML 09/11
GM	DEXRON-IIIG,IIIH	Volvo	Volvo 1273.41 and 97340
Honda/Acura	Premium	Various	ZF TE-ML 14B
Honda/Acura	ATF-Z1	Various	ZF TE-ML 16L
Hyundai	SP-II or SP-III	Various	JWS-3309
Idemitsu	K17	VW	G 055 25-A2, TL-5612, TL-52162
Isuzu	ATF-II, ATF-III, Genuine	ZF	TE-ML 02F
JASO	JASO 1A	ZF	TE-ML 03D
Kia	SP-II or SP-III	ZF	TE-ML 04D
Kia	ATF Red I-K	ZF	TE-ML 09
MAN	339F Ty V-1, V-2, Z-1, Z-2, Z-3	ZF	TE-ML 11A
Mazda	ATF M-111	ZF	TE-ML 14A/14B/14C
Mazda	ATF MV	ZF	TE-ML 16L
Mercedes-Benz	Sheet 236.1, 236.2, 236.5, 236.6, 236.7, 236.9, 236.10	ZF	TE-ML 17C

Quaker State® Ultimate Synthetic Multi-Vehicle ATF is suitable in many Kia, pre-2003 VW/Audi, Mazda, Subaru, Suzuki, Isuzu, Hyundai, Daewoo transmissions where a DEXRON® /MERCON® /MERCON® V fluid is allowed.

*Note:

1) Quaker State® Ultimate Synthetic Multi-Vehicle ATF should not be used where Type F fluids are recommended; check

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application manual if the vehicle is one of the following: Datsun/Nissan pre 1971, Lincoln pre 1978, Ford/Mercury pre 1981, Toyota pre 1983, Volvo pre 1985, Mazda pre 1986, Saab pre 1993.

*Note:

2) Quaker State® Ultimate Synthetic Multi-Vehicle ATF should not be used in Continuous Variable Transmissions (CVTs) or Double Clutch Transmissions (DCTs).

*Note:

3) Quaker State® Ultimate Synthetic Multi-Vehicle ATF does not meet the low viscosity requirements of 2006 and later GM vehicles requiring DEXRON® VI, Ford applications requiring Ford MERCON® LV or Mercon® SP, Shell 1375.4, newer Daimler transmissions (ATF 134FE) and some other manufacturer's 6 and 7 speed transmissions, and other specialty transmissions where a low viscosity ATF is recommended. Where applications allow use of an alternate fluid of a higher viscosity (example Nissan Matic-J when Nissan Matic-S is not available) to one of the above fluid specifications, Quaker State® Ultimate Synthetic Multi-Vehicle ATF is an excellent recommendation.

DEXRON is a registered trademark of General Motors Corporation. MERCON is a registered trademark of Ford Motor Company.

HEALTH, SAFETY & ENVIRONMENT

Health and Safety

Quaker State® Ultimate Synthetic Multi-Vehicle ATF is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, (MSDS) which can be obtained from www.epc.shell.com

Protect the Environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

ADDITIONAL INFORMATION

Advice

Advice on applications not covered here may be obtained from your Quaker State® Lubricants distributor representatives or technical help desks.