



Shell Spirax S5 ATF X

Premium, Synthetic Technology Multi-Vehicle Automatic Transmission Fluid

Shell Spirax S5 ATF X is a premium performance, synthetic technology fluid designed to meet the needs of multiple vehicle types for service fill in automatic transmission service. Shell Spirax S5 ATF X meets the needs of many Asian and North American designed automatic transmissions.

DESIGNED TO MEET CHALLENGES

Main Applications



- Passenger car automatic transmissions
- Heavy duty automatic transmissions
- Power steering units
- Hydraulic systems requiring this grade of fluid

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.

Specifications, Approvals & Recommendations

Suitable for use in applications which require

- Allison C-4
- Aisin JWS 3309 (all applications)
- JASO 1-A, 2A-02
- Ford Mercon® V, Mercon®
- General Motors Dexron®, Dexron® II, Dexron® III
- Toyota T III, T IV

See the Application Table and notes for additional vehicle coverage

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

Typical Physical Characteristics

Properties			Method	Shell Spirax S5 ATF X
Flash Point (COC)	°C		ASTM D92	190
Viscosity	@-40°C	mPa s	ASTM D2983	12000
Viscosity	@40°C	mm ² /s	ASTM D445	35
Viscosity	@100°C	mm ² /s	ASTM D445	7.2
Density	@15°C	kg/m ³	ASTM D1298	850

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.

Application Table

Spirax S5 ATF-X is suitable for use in the following:

Manufacturer	Fluid Specification	Manufacturer	Fluid Specification
Aisin	JWS 3309	Mercedes-Benz	Pre-1996
Allison	C4	Mini	83 2 0 402 42
Audi	G 055 025-A2	Mitsubishi	Diamond SP-II
Audi	G 052 162-A1	Mitsubishi	Diamond SP-III
BMW	LA2634, ETL-7045E	Nissan/ Infiniti	Matic-D
BMW	LT71141	Nissan/ Infiniti	Matic-J (Note 3)
Fiat	9.55550 AV	Nissan/ Infiniti	Matic-K
Ford	MERCON	Porsche	JWS 3309 (Cayenne)
Ford	MERCON V	Saab	JWS 3309 and 5 Speed Automatics, Transmax J, TIV
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
GM	DEXRON-III G, 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	SCS, 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

Shell Spirax S5 ATF X 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.

Application Exceptions

- 1) Shell Spirax S5 ATF X should not be used where Type F fluids are recommended; check 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.
- 2) Shell Spirax S5 ATF X should not be used in Continuous Variable Transmissions (CVTs) or Double Clutch Transmissions (DCTs).
- 3) Shell Spirax S5 ATF X 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, Toyota WS, Hyundai SP-IV or SPH-IVRR, Nissan Matic-S, Honda ATF DW-1, Chrysler ZF 8 and 9 speed ATF, other ZF 8 and 9-speed ATFs (in a number of European cars), newer Daimler transmissions (ATF 134 or later MB Approval 236.12, 236.14, 236.15 or 236.16) 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, Pennzoil Platinum™ High Mileage & Import MV 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**

Shell Spirax S5 ATF X 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, which can be obtained from <http://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

- **Colour**

Shell Spirax S5 ATF X is dyed red for identification purposes.

- **Advice**

Advice on applications not covered here may be obtained from your Shell representative.