Technical Data Sheet

- Wide vehicle coverage
- Exceptional performance

Shell **Spirax** *S6 ATF X*

Premium lower viscosity multi-vehicle ATF

Premium, Synthetic Technology Multi-Vehicle Automatic Transmission Fluid for Lower Viscosity ATF Requirements in General Motors, Ford, and many other cars and trucks.
Premium performance, synthetic technology fluid designed to meet the needs of multiple vehicle types for service fill in automatic transmission service. Shell Spirax S6 ATF X meets the needs of many Japanese, Asian, European, and North American designed automatic transmissions that require low viscosity automatic transmission fluid such as GM DEXRON® -VI, Ford MERCON LV and Toyota WS.

DESIGNED TO MEET CHALLENGES

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. Maintains performance and provides long service life in transmissions.
- **Excellent shear-stability**
  A special 'VI' improver minimises the changes in viscosity with operating temperature and viscosity loss with use. This provides a constant viscosity to the current vehicles as well as provides the stability needed in many older vehicles.
- **Dependable anti-wear and gear protection**
  Long component life and protection of gears as vehicles age.
- **Seal Swell**
  Contains seal swell agents to maintain seals that have aged for proper performance in transmissions that are seeing their first or even second or more ATF changes.
- **Low temperature performance**
  Excellent oil fluidity at low temperatures helps provide proper shift feel and operation at first start up and when cold.

Main Applications



- **Passenger car automatic transmissions**
- **Commercial vehicle transmissions and hydraulics**
- **Power steering units**

Specifications, Approvals & Recommendations

Exceeds the requirements of the following industry specifications:

- Ford MERCON® LV (MLV210916, MLV210917, MLV210918, MLV210919)
- General Motors DEXRON® -VI and all earlier General Motors ATF passenger car requirements.
- JASO 1-A-LV
- Suitable for use in most Japanese and Asian automatic transmissions service fill, Toyota T-IV/WS, Nissan Matic C/D/J/K/S, Honda ATF Z-1/DW-1, Mitsubishi/Hyundai/Kia SP- II/III/IV/IV M/IV RR, Mazda, Suzuki, Subaru, Isuzu, Aisin Warner JWS 3309/3324, Allison C-4, Volvo CE 97340, Mini, some BMW, Saab, some Porsche, some Fiat and some Jaguar, Mercedes-Benz ATFs 236.1 to 236.10
- Not to be used: Continuous Variable Transmissions (CVTs), Dual-Clutch Transmissions (DCTs), Type F, newer Daimler transmission (ATF 134 or later MB 236.12, 236.14, 236.15, or 236.16)

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

Typical Physical Characteristics

Properties			Method	Shell Spirax S6 ATF X
Density	@15°C	Kg/m³	ASTM D1298	850
Flash Point (COC)		°C	ASTM D92	190
Pour Point		°C	ASTM D97	-54
Viscosity	@-40°C	mPa.s	ASTM D2983	10 000
Viscosity	@100°C	mm²/s	ASTM D445	6.2

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

Health, Safety & Environment

- **Health and Safety**

  Shell Spirax S6 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 Safety Data Sheet, which can be obtained from https://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

Application Table

Shell Spirax S6 ATF X is suitable for use in the following:

Manufacturer	Fluid Specification		Manufacturer	Fluid Specification
Acura	ATF-Z1		LAND ROVER	LR023288
Aisin Warner	JWS 3309		LEXUS	JWS 3309
Aisin Warner	JWS 3321		MAN	339A
Aisin Warner	AW-1		Mazda	Mazda ATF D-II
American Motors	ATF+3		Mazda	Mazda ATF M-III
ATF	RED1 RED1K		Mazda	Mazda ATF M-V
Audi/VW	5 HP LT71141		Mazda	Mazda ATF FZ
Audi/VW	G 052 025-A2		Mazda	Mazda ATF F-1
Audi/VW	G 053 025-A2		Mazda	Mazda ATF S-1
Audi/VW	G 052 162-A1/A2		Mazda	Mazda ATF N-1
Audi/VW	VW G 055 025 A2 (JWS 3309)		Mazda	MAZDA ATF 3317
Audi/VW	G 052 162		Mercedes Benz	236.1 through to 236.10
Audi/VW	G 060 162		Mercedes Benz	MB ZF 4HP20
Audi/VW	G 055 162-A2, -A6		MINI	R T-IV
Audi/VW	G 052 990		Mitsubishi	Diaqueen SK
Audi/VW	G 055 540 (A2)		Mitsubishi	Diaqueen SP-II
Audi/VW	052 055		Mitsubishi	Diaqueen SP-III
Bentley	PY112995PA		Mitsubishi	SP-IV
BMW	JWS 3309 (T-IV)		Mitsubishi	Diaqueen AW
BMW	LA2634		Mitsubishi	Diaqueen J2
BMW	LT71141 (ZF 5 HP 18FL/19FL/24A)		Mitsubishi	Diaqueen J3
BMW	7045E		Mitsubishi	Diaqueen ATF-MA1
BMW	ETL 8072B		Mitsubishi	Diaqueen ATF PA
BMW	ZF 5HP18FL, 5HP24, 5HP30		NAG 1 (Chrysler, Jeep, Cherokee)	NAG 1 (Chrysler, Jeep, Cherokee)
BMW	MINI		Nissan	Nissan Matic Fluid C
BOSCH	TE-ML 09		Nissan	Nissan Matic Fluid D
CAT	TO-2		Nissan	Nissan Matic Fluid J
Chrysler	ATF+		Nissan	Nissan Matic Fluid K
Chrysler	ATF+2		Nissan	Nissan Matic Fluid S

Manufacturer	Fluid Specification		Manufacturer	Fluid Specification
Chrysler	ATF+3 (MS7176E)		Opel/GM	19 40 700
Chrysler/Dodge/Jeep	05127382AA		Opel/GM	19 40 767
Chrysler/Dodge/Jeep	68043742AA		Opel/GM	21005966 Transaxle
Chrysler/Dodge/Jeep	68157995AA		Opel/GM	22 17466
Chrysler/Dodge/Jeep	68157995AB		Opel/GM	88900925
Chrysler/Dodge/Jeep	68218925AA		Opel/GM	9986195
Chrysler/Dodge/Jeep	68171866AA		Peugeot	ZF 4HP20
Daewoo	Daewoo LT 71141		Peugeot/Citreon	Z 000169756
Daihatsu	AMMIX ATF D-II		Peugeot/Citreon	AL4 Automatic gearbox oil (#9730.AE)
Daihatsu A	AMMIX ATF D-III SP		Porsche	Porsche ZF 5HP19FL, ZF 5HP20, LT71141
Esso	LT 71141		Porsche	Porsche ATF 3403-M115,
FIAT	FIAT T-IV type, JWS 3309		Porsche	Porsche T-IV (JWS 3309)
FIAT	JWS 3309		Porsche	Porsche 000 043 205 09
Ford	Ford MERCON®		Porsche	Porsche 999 917 547 00 (A2)
Ford	Ford MERCON® LV (FF-WSS-M2C-938A/SF, XT-10 QLV)		Porsche	Porsche 000 043 205 28
Ford	WSS M2C 138CJ, 166H		Porsche	Porsche Z 000169756
Ford	WSS M2C 922A1, 924A (XT-8-QAW) JWS 3309		Renault	Renault DPO/AL4
Ford/Lincoln/Mercury	Ford/Lincoln/Mercury XT-2-QDX (M)		Renault	Renault Matic D2
Ford/Lincoln/Mercury	Ford/Lincoln/Mercury XT-2-QSM (Syn)		Renault	SATF-D
Ford	Ford ESP-M2C166H, XL-12		Saab	Saab T-IV (JWS 3309)
Fuso	ATF-II		Saab	Saab 93 165 147
Fuso	ATF-SPIII		Saab	Saab 93 160 393
Fuso	ATF-A4		Saturn	Saturn T-IV (JWS 3309)
GM	9986195		Scion (all vehicles)	Scion (all vehicles)
GM	TASA		Shell	Shell 3403, M115, LA 2634
GM	DEXRON® -II		Shell	Shell L 12108
GM	DEXRON® -IID		Ssang yong	Ssang yong DSIH 5M-66
GM	DEXRON® -IIE		Subaru	Subaru ATF
GM	DEXRON® -IIIG		Subaru	Subaru K0140Y0700
GM	DEXRON® -IIIH		Subaru	Subaru ATF 5AT
GM	DEXRON® -VI		Subaru	Subaru DEXRON® -II
GM	1940700		Subaru	Subaru ATF, ATF HP
GM	1940767		Suzuki	Suzuki ATF AW-1
GM	21005966		Suzuki	Suzuki AT OIL 5D06
GM	22717466		Suzuki	Suzuki ATF 2326
GM	88900925		Suzuki	Suzuki ATF 2384K
GM	9986195		Suzuki	Suzuki JWS 3309
GM	93160393		Suzuki	Suzuki ATF 3314
GM/GMC/Opel/Saturn	AW1		Suzuki	Suzuki ATF 3317
GM/GMC/Opel/Saturn	VI		Texaco	Texaco 7045-E
GM/GMC/Opel/Saturn	88863400		Texaco	Texaco 8072B
GM/GMC/Opel/Saturn	88863401		Texaco	Texaco N402
Hino	Hino Blue ribon ATF		Toyota	Toyota ATF D-II
Honda	ATF-Z1 (except in CVTs)		Toyota	Toyota ATF D-III
Honda	ATF Ultra II		Toyota	Toyota ATF T-III
Honda	DW-1		Toyota	Toyota ATF T-IV
Honda	Type 3.0		Toyota	Toyota ATF WS
Honda	Type 3.1		Toyota	Toyota Hybrid
Hyundai/Kia	SP-IV (00232-1904/04500-00115)		Vickers	Vickers M2950-S, I-286-S
Hyundai/Kia	SP-IV M (SP4-M)		Voith	Voith 55.6335.xx (G607)
Hyundai/Kia	SPH-IV		Voith	Voith Svc Bltn #013 and #118
Hyundai/Kia	SP-IV-RR		Volvo	Volvo 97325
Hyundai/Kia	SP-III		Volvo	Volvo 97335
Hyundai/Kia	Dex-II/ SP-II		Volvo	Volvo CE 97340
Hyundai/Kia	JWS 3314		Volvo	Volvo PN 1161521
Hyundai/Kia	NWS 9638		Volvo	Volvo PN 1161540/1161640
Hyundai/Kia	040000C90SG		Volvo	Volvo PN 31256774/31256675
Hyundai/Kia	NUMM040 CH20 Red-1		Volvo	Volvo PN 1161621
ISUZU	ATF-II		VW	VW 5 HP (ZF 5 HP 30)

Manufacturer	Fluid Specification		Manufacturer	Fluid Specification
ISUZU	ATF-III		VW	VW 5HP (18FL, 30)
ISUZU	ATF SP		VW	VW 5HP (19FL, 24A)
ISUZU	SCS Fluid		VW	VW G-055-025 A2 (JWS 3309)
ISUZU	08200-9001		VW	VW G055 540 (A2)
Jaguar	ATF 3403 M115		VW	VW G 052 162
Jaguar	ATF LT71141		VW	VW G 055 162-A2, -A6
Jaguar	JLM20238		VW	VW G 060 162
Jaguar	ATF 3403 JLM20238		VW	VW G US 000 162
Jaguar	JLM 20292		VW	VW TL 521 62
Jaguar	Fluid 8432		ZF	ZF all 3 & 4 speed transmission
Jaguar	02JDE26444		ZF	ZF TE-ML 09
Jaguar	WSS-M2C922A1		ZF	ZF TE-ML 11A, 11B
JASO	M315-2013 1A			
JASO	M315-2013 1A-LV			
JASO	M315-2013 2A			
JEEP	ATF+3			
KIA	ATF SP-II, SP-III, SP-IV, SP-IVM, Red 1			

Application Exceptions

1) Shell Spirax S6 ATF X should not be used where Ford 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 S6 ATF X should not be used in Continously Variable Transmissions (CVTs) or Double Clutch Transmissions (DCTs) unless the transmission requires one of these specific OEM ATF grades or equivalent fluid applications.

3) Shell Spirax S6 ATF X is not recommended for newer Daimler transmissions (ATF 134 or later MB Approval 236.12, 236.14, 236.15 or 236.17), General Motors and Ford (MERCON® ULV) 9 and 10 speed ATFs, and other specialty transmissions where a very low viscosity ATF is recommended.

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Advice

Advice on applications not covered here may be obtained from your Shell or Shell Lubricants distributor representatives or technical helpdesks.