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Technical Data Sheet

# Shell Spirax S2 ATF AX

High Performance ATF, PSF and Hydraulic Oil in Many MAN and Voith Vehicles and ZF Transmissions

A high quality transmission fluid suitable for many passenger car and heavy duty automatic transmissions, power steering and hydraulic fluid applications.

## DESIGNED TO MEET CHALLENGES

### Performance, Features & Benefits

- **Friction modified**  
Provides consistent, reliable, smooth and trouble free operation of many automotive transmission systems.
- **High oxidation resistance**  
Resistance to oil degradation ensures consistent performance.
- **Excellent shear-stability**  
A special 'VI' improver ensures Shell Spirax S2 ATF AX stays 'in grade' for a longer period.
- **Dependable anti-wear protection**  
Long component life required for consistent gear and hydraulic pump applications.

- Heavy duty automatic transmissions
- Power steering units
- Hydraulic power systems

### Specifications, Approvals & Recommendations

- Ford MERCON®
- ZF TE-ML: 03D, 04D, 09, 11A, 14A
- Voith 55.6335
- MAN: 339 Typ Z1, 339 Typ V1
- MB-Approval 236.7
- DTFR 13C140

### Main Applications



- Passenger car automatic transmissions

- Renk  
Suitable for use in applications requiring:
  - Allison C-4 type fluids
  - Dexron IID type fluids
- For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk

### Typical Physical Characteristics

Properties			Method	Shell Spirax S2 ATF AX
Kinematic Viscosity	@40°C	mm <sup>2</sup> /s	ISO 3104	34.6
Kinematic Viscosity	@100°C	mm <sup>2</sup> /s	ISO 3104	7.1
Viscosity Index			ISO 2909	174
Density	@15°C	kg/m <sup>3</sup>	ISO 12185	874
Flash Point (COC)			ISO 2592	180
Pour Point			ISO 3016	-45

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 S2 ATF AX 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

- **Advice**

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