Technical Data Sheet

Shell **Spirax** *S6 ATF D971*

Automatic transmission fluid for latest generation of 9-speed automatic transmissions for Mercedes-Benz

Shell Spirax S6 ATF D971 is a premium technology automatic transmission fluid for the latest generation of Mercedes-Benz 9-speed automatic transmissions (9G-Tronic).

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

Shell Spirax S6 ATF D971 is a high performance ATF formulated with Shell latest technology synthetic base oils, combined with premium quality latest technology performance additives.

Shell Spirax S6 ATF D971 provides:

- High thermal and oxidative stability
- Outstanding shear stability
- Superior overall performance

Main Applications

- Shell Spirax S6 ATF D971 has been developed as an initial-fill and service-fill fluid for the latest generation of fuel economy optimized 9-speed automatic transmissions (9G-Tronic) used in Mercedes-Benz passenger cars.
- Shell Spirax S6 ATF D971 must not be used in older Mercedes-Benz 5- and 7-speed automatic transmissions that require ATFs with MB-Approvals 236.10, 236.12, 236.14 or 236.15.

Specifications, Approvals & Recommendations

- Part Number A0029890603
- MB-Approval 236.17

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

Typical Physical Characteristics

Properties			Method	Shell Spirax S6 ATF D971
Kinematic Viscosity	@40°C	mm^2/s	ISO 3104	18.0
Kinematic Viscosity	@100°C	mm^2/s	ISO 3104	4.1
Dynamic Viscosity (Brookfield)	@-40	mPas	DIN 51398	4 500
Viscosity Index			ISO 2909	132
Density	@15°C	kg/m^3	ISO 12185	822
Flash Point (Cleveland Open Cup)	°C		ISO 2592	212

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 D971 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 (SDS) 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.