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## Technical Data Sheet

- Maintenance Saving
- Enhanced Efficiency

# Shell Spirax S6 ATF A295

## Synthetic Extended Drain Heavy Duty Automatic Transmission Fluid

Shell Spirax S6 ATF A295 Oil is a fully synthetic, heavy-duty automatic transmission fluid which is specifically designed and approved for use in transmissions requiring Allison TES-295 fluids. Spirax S6 ATF A295 is approved for extended service intervals and remains stable even under severe operating conditions.

### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

- **Long enhanced protection – long equipment life**

Viscosity Control : Spirax S6 ATF A295 incorporates latest synthetic base fluid technology and mechanically stable viscosity index improver technology to help ensure the viscosity of the oil remains constant over the complete oil drain, thus helping to ensure consistent lubrication and oil film thickness required to ensure protection of the gears, bearings and other mechanical components.

- **Long fluid life – maintenance saving**

The exceptional oxidation resistance of Spirax S6 ATF A295 helps resist formation of deposits to ensure longer fluid life and better fluid performance under arduous conditions.

Extended fluid life demonstrated in full scale long duration transmission testing.

- **Enhanced efficiency**

Extremely high frictional stability, excellent viscometric control and durability helps ensure consistent shifting and power transfer characteristics. This helps provide smooth shifting and helps maintain the fuel efficient operation of the transmissions.

Excellent low temperature properties help ensure efficient transmission operation even under cold climate conditions.

Excellent anti-foam and filterability characteristics to help ensure efficient and effective lubrication and hydraulic control system performance within the transmission.

- **Allison Medium/Heavy Duty Automatic Transmissions**

Spirax S6 ATF A295 was developed to meet the extended drain requirements of late model medium and heavy duty Allison automatic transmissions. It is particularly suitable for transmissions requiring a TES-295 type product.

Spirax S6 ATF A295 is recommended for use in transmissions found in the following applications:

- Municipal fleets
- Vans, school buses
- Buses and Coaches
- Emergency vehicles
- Commercial vehicles and trucks
- Motor-homes
- Heavy duty pickup trucks
- Spirax S6 ATF A295 can also be used in some ZF and Voith heavy duty transmissions as well as those previously serviceable by Dexron® III and Mercon® fluids, and is particularly suited to mixed fleet operations.

#### Specifications, Approvals & Recommendations

##### Approved:

- Allison TES-295 AN-121008
- Allison TES-468 AN-121008

##### Suitable for use in applications calling for:

- Former Dexron-III applications
- Voith DIWA transmissions
- ZF TE-ML 14A, 14B, 14C
- MAN 339 Z3
- DTFR 13C180
- Caterpillar AT-1

#### Main Applications



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

### Typical Physical Characteristics

Properties			Method	Shell Spirax S6 ATF A295
Kinematic Viscosity	@40°C	cSt	ASTM D445	36
Kinematic Viscosity	@100°C	cSt	ASTM D445	7.3
Viscosity Index			ASTM D2270	181
Density	@15°C	kg/l	ASTM D287	0.840
Flash Point (COC)		°C	ASTM D92	213
Pour Point		°C	ISO 3016	-51

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 A295 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

- **Advice**

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