



Previous Name: Shell Donax TV

Shell Spirax S6 ATF VM

Premium Synthetic Technology Voith Long Drain Automatic Transmission Fluid

Shell Spirax S6 ATF VM Oil is a premium performance, heavy-duty synthetic-blend automatic transmission fluid specifically designed for use in Voith Turbo transmissions. Spirax S6 ATF VM is recommended for extended oil drain intervals in the DIWA.5 transmissions for 180,000km, while it is also suitable for DIWA.3E and older DIWA transmissions at the extended oil drain interval of 120,000km.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- State-of-the-art technology**
 Shell Spirax S6 ATF VM has been developed with state-of-the-art additive technology and a blend of synthetic and mineral oils in conjunction with Voith hardware, to insure the utmost in Voith transmission performance.
- Maximum oil drain interval potential**
 This technology developed specifically for Voith transmissions, allows up to the maximum oil drain intervals in DIWA.5 transmissions depending on operating conditions. This will allow fleets the versatility to use one product for all Voith heavy-duty automatic transmissions.
- Extremely low temperature fluidity**
 The physical characteristics provided by the additive technology and base fluid allows for extremely low temperature fluidity, further protecting the transmission components from premature wear under extreme cold operating conditions.
- Shift comfort and maintenance costs**
 The combination of these features and benefits translate into smooth shifting comfort, and lower maintenance cost due to extended drain intervals and transmission component life.

Main Applications



- Heavy duty automatic transmissions**
 Shell Spirax S6 ATF VM is a specifically developed product for Voith Turbo heavy-duty transmissions used in various applications, including public transport, highway and city trucking.

Specifications, Approvals & Recommendations

- Voith H55.6336
- ZF TE-ML: 03D, 04D, 09, 14B, 16L, 17C
- MAN 339 Typ Z2
- MAN 339 Typ V2

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 VM |
|---------------------|--------|--------------------|-----------|------------------------|
| Kinematic Viscosity | @40°C | mm ² /s | ISO 3104 | 34 |
| Kinematic Viscosity | @100°C | mm ² /s | ISO 3104 | 7.4 |
| Viscosity Index | | | ISO 2909 | 185 |
| Density | @15°C | kg/m ³ | ISO 12185 | 852 |
| Flash Point (COC) | | °C | ISO 2592 | 198 |
| Pour Point | | °C | ISO 3016 | -48 |

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 VM 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.