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Technical Data Sheet

Shell Spirax S6 ADME 75W-90

Synthetic high quality axle oil

Shell Spirax S6 ADME 75W-90 is a fully synthetic axle oil designed to fulfil the latest Mercedes Benz and other heavy duty axle requirements.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Longer oil drain potential**

Working temperature reduction behaviour ensures long-term protection of the gears and higher oxidation resistance so providing extended drain capability.

- **Longer oil and equipment life**

Excellent protection against gear wear and pitting prevent premature failure. Excellent oxidation resistance and thermal stability extend components and lubricant life.

- **High viscosity index**

Enable minimum variation of oil viscosity with changes in ambient and operating temperatures.

Main Applications

- **Heavy duty axles**

In particular those working under very heavy load and severe operation conditions as well as non synchronised transmissions where mineral and synthetic gear oils are recommended.

This product is particularly designed to meet the latest Mercedes-Benz heavy duty transmission requirements and can be used where this manufacturer recommends an approved lubricant according to the Sheet DTFR 12B140.

Specifications, Approvals & Recommendations

Approvals:

- SAE J 2360
- DTFR 12B140
- MB-Approval 235.9
- MAN 342 Type S1
- MAN 341 Type Z2
- MAN 341 Type GA1
- Volvo 97312
- ZF TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A
- Scania STO 1:1 G
- Scania STO 2:0 A FS
- Detroit Fluids Specification 93K219.01

Meets the following specifications:

- API GL-4
- API GL-5
- API MT-1
- Mack GO-J
- Meritor O-76N, O-94 and O-95 (extended drain)
- DAF

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

Typical Physical Characteristics

| Properties | | | Method | Shell Spirax S6 ADME 75W-90 |
|---------------------|--------|--------------------|-----------|-----------------------------|
| SAE Viscosity grade | | | SAE J306 | 75W-90 |
| Kinematic Viscosity | @40°C | mm ² /s | ISO 3104 | 101 |
| Kinematic Viscosity | @100°C | mm ² /s | ISO 3104 | 15.0 |
| Viscosity Index | | | ISO 2909 | 155 |
| Density | @15°C | kg/m ³ | ISO 12185 | 868 |
| Flash Point COC | | °C | ISO 2592 | 210 |
| Pour Point | | °C | ISO 3016 | -60 |

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 ADME 75W-90 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.