Technical Data Sheet

Shell **Spirax** *S5 ATE 75W-90*

Premium performance, synthetic technology, GL-4/5 Spirax S5 ATE 75W-90 for sports cars

Shell Spirax S5 ATE 75W-90 is particularly designed to fulfil the highest requirements of extremely loaded passenger car drive train systems.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Outstanding gear protection and synchromesh performance**

  Careful choice of base oils combined with new additive technologies achieve highest level of performance in the particular “transaxle” transmission type designs, where gear protection and high and stable synchromesh compatibility are required.

- **Longer equipment life**

  High shear stable formulation and durable extreme pressure (EP) performance allow an excellent protection against gear wear and pitting, preventing premature failure, and ensure longer component and lubricant life. Outstanding thermal and oxidation resistance also prevents damage to seals from deposit formation.

- **Improved drive train efficiency**

  Shell Spirax S5 ATE 75W-90 reduces friction losses in the drive train improving therefore efficiency and performance. As synthetic lubricant it ensures optimal lubrication at low and high temperature.

- **Seal Compatibility**

  Designed to be compatible with commonly used transmission seal materials, helping maintain seal performance and minimize the risk of fluid leakage.*

- **Recognised and used by leading sports car manufacturers**

  Shell Spirax S5 ATE 75W-90 benefits have been recognised by a number of leading sport car manufacturers who are using it as initial and service fill gear oil.

- **Part of the Shell synthetic lubricants team**

  Use in conjunction with other Shell synthetic lubricants for maximum benefit.

*Based on ASTM seal compatibility testing and/or OEM-specific seal evaluation procedures.

Main Applications



- **Transaxle transmissions**

  Heavily loaded “transaxle” transmission where hypoid axle and gearbox are in the same housing and lubricanted by the same product. Particularly in sport passenger car drive train systems.

- **Automotive transmissions**

  Heavily loaded axle drives, synchronised and non-synchronised gearboxes.

Specifications, Approvals & Recommendations

- Ferrari
- Getrag
- MB 236.26
- API Service Classification : GL-4, GL-5, MT-1

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

Typical physical Characteristics

Properties			Method	Shell Spirax S5 ATE 75W-90
SAE Viscosity Grade			SAE J 306	75W-90
Kinematic Viscosity	@40°C	mm^2/s	ISO 3104	81
Kinematic Viscosity	@100°C	mm^2/s	ISO 3104	14.9
Viscosity Index			ISO 2909	194
Dynamic Viscosity	@-40°C	mPa s	ISO 9262	35 000
Density	@15°C	kg/m^3	ISO 12185	879
Flash Point (COC)		°C	ISO 2592	205
Pour Point		°C	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 S5 ATE 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 Material 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.