Technical Data Sheet

Formerly Known As: **Shell Spirax X 75W-90**

Shell **Spirax** ***S4 AT 75W-90***

High performance, synthetic blend, GL-4/5 oil for gearboxes and axles

Shell Spirax S4 AT 75W-90 is a part-synthetic superior quality automotive gear lubricant specially designed for use in gearboxes and axles.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Part synthetic**

  Advanced Group III base oil technology ensures outstanding shear-stability and enable minimum variation of oil viscosity with changes in ambient and operating temperatures.

- **Specially selected extreme-pressure and anti-wear additive**

  Improving gears and bearings protection.

- **Excellent anti-rust and anti-corrosion properties**

  Protecting all metal surfaces.

- **Lower power loss increases gear efficiency and therefore fuel economy capabilities.**

- **'Cold shift' and 'hot rattle' problems overcome in passenger car and van 5-speed gearboxes**

- **Extended oil drain period potential**

Main Applications



- **Automotive transmissions**

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

- **Universal driveline**

  This transmission oils has been designed to meet the requirements of both axles and geaboxes and can be used as "universal" Driveline lubricant in heavy duty and passenger car vehicles.

Specifications, Approvals & Recommendations

- 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 S4 AT 75W-90
Kinematic Viscosity	@40°C	mm^2/s	ISO 3104	92.6
Kinematic Viscosity	@100°C	mm^2/s	ISO 3104	15.4
Viscosity Index			ISO 2909	177
Density	@15°C	kg/m^3	ISO 12185	875
Flash Point (COC)		°C	ISO 2592	170
Pour Point		°C	ISO 3016	-42

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 S4 AT 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 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.