Technical Data Sheet

Previous Name: **Shell Spirax A 90**

Shell **Spirax** *S2 A 90*

High quality, GL-5axle oil

Shell Spirax S2 A 90 is blended for use in a wide variety of automotive axle units subjected to heavy duty conditions.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Comprehensive components**
  Specially selected additives impart good anti-wear, anti-rust characteristics and oxidation stability.
- **High quality base oils**
  Maintains low temperature flow in the designed temperature range, resists oxidation, and maintains oil film between gears.

Main Applications

- Automotive transmissions, differentials.
- Moderate to heavily loaded gear sets in stationary and ancillary equipment.
- Hypoid gear axles.
- Motorcycle gear units separate from the engine.
- Other automotive transmission units operating under high speed/shock load, high speed/low torque and low speed/high torque conditions.

Specifications, Approvals & Recommendations

- API Service Classification GL-5

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk, or the OEM Approvals website.

Typical Physical Characteristics

Properties			Method	Shell Spirax S2 A 90
SAE Viscosity Grade			SAE J 306	90
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Kinematic Viscosity	@40°C	mm^2/s	ISO 3104	145
Kinematic Viscosity	@40°C	mm^2/s	ISO 3104	145
Kinematic Viscosity	@100°C	mm^2/s	ISO 3104	14.3
Kinematic Viscosity	@100°C	mm^2/s	ISO 3104	14.3
Viscosity Index			ISO 2909	96
Viscosity Index			ISO 2909	96
Density	@15°C	kg/m^3	ISO 12185	909
Density	@15°C	kg/m^3	ISO 12185	909
Flash Point (COC)		°C	ISO 2592	180
Flash Point (COC)		°C	ISO 2592	180
Pour Point		°C	ISO 3016	-18
Pour Point		°C	ISO 3016	-18

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 S2 A 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.