



Previous Name: Shell Spirax A LS

Shell Spirax S2 ALS 90

High quality, GL-5 axle oil for limited slip differentials

Spirax S2 ALS 90 oil is blended for use in a wide variety of automotive axle units with limited slip differentials.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

Comprehensive components

Specially selected additives impart good anti-wear, anti-rust characteristics, oxidation and thermal stability as well as the required coefficient of friction to meet requirements of limited slip differentials.

High quality base oils

Maintains low temperature flow in the designed temperature range, resists oxidation, and maintains oil film between gears.

Main Applications



Automotive drivelines

Suitable for heavy duty vehicles, including construction machines or buses, and passenger cars which are fitted with limited slip differentials. May be used in other moderate to heavily loaded gear sets that will allow use of a friction modified, hypoid gear oil.

Specifications, Approvals & Recommendations

API Service Classification GL-5 Limited Slip

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 ALS 90
SAE Viscosity Grade	SAE J 306	90
Kinematic Viscosity @40°C	mm ² /s	155
Kinematic Viscosity @100°C	mm ² /s	15
Viscosity Index	ISO 2909	96
Density @15°C	kg/m ³	909
Flash Point (COC)	°C	210
Pour Point	°C	-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 ALS 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.