



Shell Spirax A LS



High quality heavy duty axle oils for limited slip differentials

Spirax A LS oils are blended in a number of different viscosity grades for use in a wide variety of automotive axle units with limited slip differentials.

Applications

- **Automotive transmissions**
Suitable for heavy duty vehicles, including construction machines or buses, and passenger cars which are fitted with limited slip differentials.

Performance Features and 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.

Specifications and Approvals

API Service Classification GL-5

Health & Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

Protect the environment

Take used oil to an authorised collection point. Do not discharge into drains, soil or water

Typical Physical Characteristics

| Spirax A LS | | 90 | 80W-90 | 85W-140 | |
|---------------------|-------------------------------|----------------------------------|--------|---------|------|
| SAE Viscosity grade | | 90 | 80W-90 | 85W-140 | |
| Kinematic Viscosity | ASTM D 445 | | | | |
| | | at 40°C mm ² /s | 155 | 146 | 358 |
| | | at 100°C mm ² /s | 15,0 | 14,7 | 25,6 |
| Viscosity Index | ISO 2909 | 96 | 100 | 94 | |
| Density at 15°C | kg/m ³ ASTM D 4052 | 909 | 909 | 908 | |
| Flash Point CoC | °C ISO 2592 | 210 | 210 | 215 | |
| Pour Point | °C ISO 3016 | -18 | -27 | -15 | |

These characteristics are typical of current production. Whilst future production will conform to Shell's specification, variations in these characteristics may occur.