Technical Data Sheet

- Enhanced Efficiency
- Maintenance Saving

Shell **Spirax** *S5 ADE 75W-85*

Premium Axle Oil based on synthetic technology for Mercedes-Benz cars and Daimler trucks

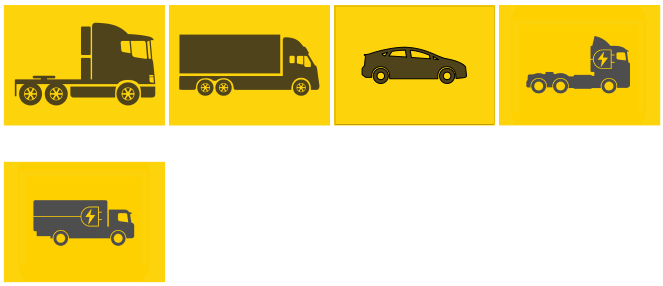
Shell Spirax S5 ADE 75W-85 is a premium performance, fuel economy, extreme-pressure axle oil based on synthetic technology. It is designed with containing multi-functional additives which impart excellent anti-wear properties, oxidation stability and anti-rust characteristics. It is suitable for gear applications presenting load-speed conditions of extreme severity, such as medium and low speed spur or helical gear units, spiral-bevel, and hypoid axle units as well as extended drain capabilities. It is designed and approved for use in applications requiring DTFR 12B120.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **Longer oil drain capability**
  Excellent oxidation stability designed with selected additives helps to provide long oil life. The advanced formulation helps to lower running temperatures also leads to extended oil drain intervals. It helps to optimize the maintenance scheduling.
- **Longer gear life**
  Excellent protection against wear helps to prevent premature failure. Outstanding oxidation resistance also helps to prevent damaging deposit formation in axles and manual transmissions. It helps to extend equipment life.
- **Comprehensive Reliability**
  Specially selected additives impart excellent anti-wear especially at high operating temperature conditions, and provide excellent oxidation stability, anti-rust characteristics and good yellow metal compatibility.

Main Applications



- **Axles & Differentials**
  A heavy duty, SAE 75W-85 axle oil blended to satisfactorily operate in applications calling for latest, most demanding OEM specifications.
- **E-Powertrains**
  Recommended for Daimler Truck e-Powertrains where a fluid approved to DTFR 10C100 (Final Drive GEN2) is specified.

Specifications, Approvals & Recommendations

- API GL-5
- DTFR 12B120
- DTFR 10C100
- Detroit Fluid Specification 93K219.03
- MB-Approval 235.33
- Fulfills performance criteria of SAE J 2360

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

Typical Physical Characteristics

Properties			Method	Shell Spirax S5 ADE 75W-85
Density	@15^{0}C	kg/m^{3}	ASTM D4052	855
Kinematic Viscosity	@100^{0}C	cSt	ASTM D445	11.5
Kinematic Viscosity	@40^{0}C	cSt	ASTM D445	67
Flash Point		^{0}C	ASTM D92	188
Pour Point		^{0}C	ASTM D97	-51

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**

  This product 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 Safety Data Sheet.

- **Protect the Environment**

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