Technical Data Sheet

# Shell **Spirax S6 GXME Ultra** *75W-90*

***Premium, Synthetic Technology, Fuel Economy Manual Transmission and Gearbox Oil***

Shell Spirax S6 GXME Ultra 75W-90 is a unique fuel-efficient, long-life gear oil designed to give the ultimate in performance and protection to meet the requirements of current and future heavy duty gearboxes. Specially formulated fully synthetic base oils plus a unique new additive technology give improved lubrication and longer life for your equipment.

## DESIGNED TO MEET CHALLENGES

### Performance, Features & Benefits

- **Low power loss - improved efficiency**

  Special frictional properties, high fluidity combine to give lower power loss, lower operating temperature and higher mechanical efficiency. Long additive life and excellent viscosity control maintains performance over the oil's lifetime and provides smooth shifting under all conditions.

- **Longer oil drain capability**

  Long life additives ensure long-term protection of the gears and high oxidation resistance so providing extended drain capability.

- **Longer transmission life**

  Outstanding pitting, scoring and wear protection. Excellent synchromesh compatibility - exceeds requirements of leading OEMs.

- **Seal Compatibility**

  Designed to be compatible with commonly used transmission seal materials, helping maintain seal performance and minimize the risk of fluid leakage.*

- **Recognised by leading equipment manufacturers**

  A number of leading equipment manufacturers recognise the benefits of synthetic lubricants and are currently evaluating Spirax S6 GXME Ultra 75W-90.

- **Part of the Shell synthetic driveline offer**

  Use in conjunction with other Shell synthetic lubricants for maximum benefit.

*Based on ASTM seal compatibility testing and/or OEM-specific seal evaluation procedures.

### Main Applications



- **Automotive transmissions**

  Synchromesh gearboxes, including those with integrated retarders, and medium loaded axle drives where mineral or synthetic gear oils are required.

### Specifications, Approvals & Recommendations

- API Service Classification GL-4
- Volvo 97315, 97319

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

## Typical Physical Characteristics

| Properties | | | Method | Shell Spirax S6 GXME Ultra 75W-90 |
|---|---|---|---|---|
| SAE Viscosity Grade | | | SAE J306 | 75W-90 |
| Density | @15°C | kg/m³ | ISO 12185 | 851 |
| Pour Point | | °C | ISO 3016 | -54 |
| Flash Point | | °C | EN ISO 2592 | 246 |
| Kinematic Viscosity | @40°C | mm²/s | ISO 3104 | 121 |
| Kinematic Viscosity | @100°C | mm²/s | ISO 3104 | 17.5 |
| Dynamic Viscosity | @-40°C | mPa s | ASTM D2983 | 72 400 |
| Shear Stability (Viscosity after shearing) | @100°C | mm²/s | CEC L-45_A-99<br>ISO 3104 | 16.7 |
| Viscosity Index | | | ISO 2909 | 154 |

These characteristics are typical of current production, variations in these characteristics in future production 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 new and used fluid. After skin contact, wash immediately with soap and water.

  Guidance on Health and Safety is available on the appropriate Safety Data Sheet, which can be obtained from https://www.epc.shell.com

- **Protect the Environment**

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