

# Shell Spirax GSX

*High performance, fuel economy, synthetic gearbox oil*



Spirax GSX 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.

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## Applications

- **Automotive transmissions**  
Synchronesh gearboxes, including those with integrated retarders, and medium loaded axle drives where mineral or synthetic gear oils are required.

## Performance Features and 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 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 synchronesh compatibility - exceeds requirements of leading OEMs.
- **Less environmental pollution**  
Reduced environmental damage and improved recyclability result from the significantly lower chlorine content. Markedly improved seal compatibility for increased protection against leaks.

- **Recognised by Leading Equipment Manufacturers**

A number of leading equipment manufacturers recognise the benefits of synthetic lubricants and are currently evaluating Spirax GSX.

- **Part of the Shell Synthetic Lubricants Team**  
Use in conjunction with other Shell synthetic lubricants for maximum benefit.

## Specification and Approvals

API Service Classification GL-4, MT-1

## Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.

## Health and 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

<b>Spirax GSX</b>		<b>75W80</b>
<b>SAE Viscosity grade</b>	SAE J 306	75W80
<b>Kinematic Viscosity</b> at 40°C at 100°C	mm <sup>2</sup> /s mm <sup>2</sup> /s	ISO 3104 56.0 9.1
<b>Dynamic Viscosity</b> at -40 °C	mPa*s	ISO 9262 36'500
<b>Shear Stability</b> Viscosity at 100°C after shearing	mm <sup>2</sup> /s	CEC L-45-A-99 ISO 3104 8.8
<b>Viscosity Index</b>		ISO 2909 145
<b>Density at 15°C</b>	kg/m <sup>3</sup>	ISO 12185 849
<b>Flash Point COC</b>	°C	ISO 2592 245
<b>Pour Point</b>	°C	ISO 3016 -45

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