

Shell Spirax GX

High performance long life gearbox oils



Spirax GX are long life gearbox oils designed to give new benefits based on improved levels of performance to meet the future requirements of gearboxes. Specially optimised mineral base oils and new additive technology improve lubrication of the drive train and potentially extend oil drain intervals.

Applications

- **Automotive transmissions**
Synchronmesh gearboxes and medium loaded axle drives.

Performance Features and Benefits

- **Longer oil drain capability**
Higher reserves of additives ensure long-term protection of the gears. Longer oil life as a result of higher oxidation stability also improves oil drain intervals.
- **Longer gear life**
Clear improvement in protection against wear prevents premature failure. High oxidation resistance also prevents damaging deposit formation in the gears.
- **Greater efficiency**
Ideal shear-stable formulations give improved flow properties and shiftability at low temperatures. Optimised friction properties minimises power losses and wear, thereby also improving efficiency.
- **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.

Specification and Approvals

API Service Classification	GL-4
Mercedes-Benz Sheet	235.5*
MAN	341 Typ Z2*** 341 Typ E2***
ZF TE-ML	02B-016 ^{A**} -17A
Eaton (ex US)	meets
Isuzu	meets

*only for the SAE 80W grade
**only for the SAE 80W-90 grade
***except the 75W-90 grade.

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 authorized collection point. Do not discharge into drains, soil or water.

Typical Physical Characteristics

Spirax GX		80W	75W-90	80W-90	
SAE Viscosity grade	SAE J 306	80W	75W-90	80W-90	
Kinematic Viscosity	ISO 3104				
		at 40°C mm ² /s	78.0	92.2	160.5
		at 100°C mm ² /s	9.5	15.8	16.1
Density at 15°C	kg/m ³ ISO 12185	885		895	
Flash Point COC	°C ISO 2592	210		215	
Pour Point	°C ISO 3016	-33	-45	-30	

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