



Previous Name: Shell Transaxle Oil

Shell Spirax S5 ATE 75W-90

Premium performance, synthetic technology, GL-4/5 Spirax S5 ATE 75W-90 for sports cars

Spirax S5 ATE 75W-90 is particularly designed to fulfil the highest requirements of extremely loaded passenger car drive train systems.

Applications

- **Transaxle transmissions**
Heavily loaded “transaxle” transmission where hypoid axle and gearbox are in the same housing and lubricated by the same product. Particularly in sport passenger car drive train systems.
- **Automotive transmissions**
Heavily loaded axle drives, synchronised and non-synchronised gearboxes.

Performance Features and Benefits

- **Outstanding gear protection and synchromesh performance**
Careful choice of base oils combined with new additive technologies achieve highest level of performance in the particular “transaxle” transmission type designs, where gear protection and high and stable synchromesh compatibility are required.
- **Longer equipment life**
High shear stable formulation and durable extreme pressure (EP) performance allow an excellent protection against gear wear and pitting, preventing premature failure, and ensure longer component and lubricant life. Outstanding thermal and oxidation resistance also prevents damage to seals from deposit formation.
- **Improved drive train efficiency**
Spirax S5 ATE 75W-90 reduces friction losses in the drive train improving therefore efficiency and performance.
As synthetic lubricant it ensures optimal lubrication at low and high temperature.

- **Environmentally Friendly**
Excellent seal compatibility guarantees protection against leaks.
Low-chlorine formulation and extended drain interval capability ensures less environmental impact.
- **Recognised and used by leading Sport Car Manufacturers**
Spirax S5 ATE 75W-90 benefits have been recognised by a number of leading sport car manufacturers who are using it as initial and service fill gear oil.
- **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-4/5, MT-1
Ferrari	Approved
Porsche	Approved

Meet the requirements of further sport car transaxle transmissions.

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 S5 ATE 75W-90			
SAE Viscosity grade		SAE J 306	75W-90
Kinematic Viscosity		ISO 3104	
at 40°C	mm ² /s		81.0
at 100°C	mm ² /s		14.9
Viscosity Index		ISO 2909	194
Dynamic Viscosity	mPa*s	ISO 9262	35,000
Density at 15°C	kg/m ³	ISO 12185	879
Flash Point COC	°C	ISO 2592	205
Pour Point	°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.