

# Shell Spirax S3 AX



DESIGNED TO MEET CHALLENGES

Every part of your vehicle has been meticulously engineered, so you want to use a lubricant that has been designed to ensure that your equipment is well protected and works efficiently.

The Shell Spirax range of axle and gear oils has been developed to enable vehicle manufacturers and fleet operators to select the oil that will deliver optimum value to their operations through wear protection, long oil life and efficiency.

## KEY BENEFITS

- ✓ Excellent wear and corrosion protection for longer equipment life
- ✓ Excellent oxidation stability for long oil life
- ✓ Reduced friction for improved efficiency



## A HIGH-PERFORMANCE GL-5 AXLE AND GEAR OIL

Shell Spirax S3 AX is a high-performance axle oil for moderately to heavily loaded on- and off-road drivelines. It has reduced friction for improved efficiency, and is an oil that you can rely on to help protect manual transmissions and axles from pitting, bearing failure and corrosion for reduced maintenance and longer equipment life. Shell Spirax S3 AX has excellent oxidation stability for long oil life and contains additives that ensure long-term protection for your components.

## THE BENEFITS OF USING A DEDICATED AXLE OIL

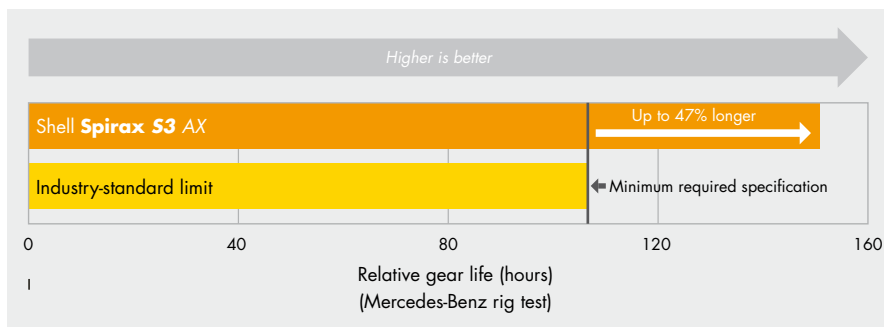
Many gearboxes and axles use different materials and operate under different conditions. A single oil used for both applications may lead to a compromise in either or both the axle and gearbox wear protection and efficiency.

Using a dedicated axle oil, such as Shell Spirax S3 AX, and a dedicated gearbox oil, such as Shell Spirax S3 G, means that the oils can be formulated to have the separate viscosity grades and different additive technologies needed to provide maximum protection, power and efficiency for each application.

## DESIGNED TO PROTECT

Protecting manual transmissions and axles from wear, pitting and corrosion can help to extend component life and maximise your return on investment. Shell Spirax S3 AX offers excellent protection by helping to

- **prevent damaging deposits from forming in the gears,** thanks to its high oxidation resistance
- **protect against wear, as it lasts up to 47% longer** in Mercedes-Benz rig tests than the minimum allowed industry limit.

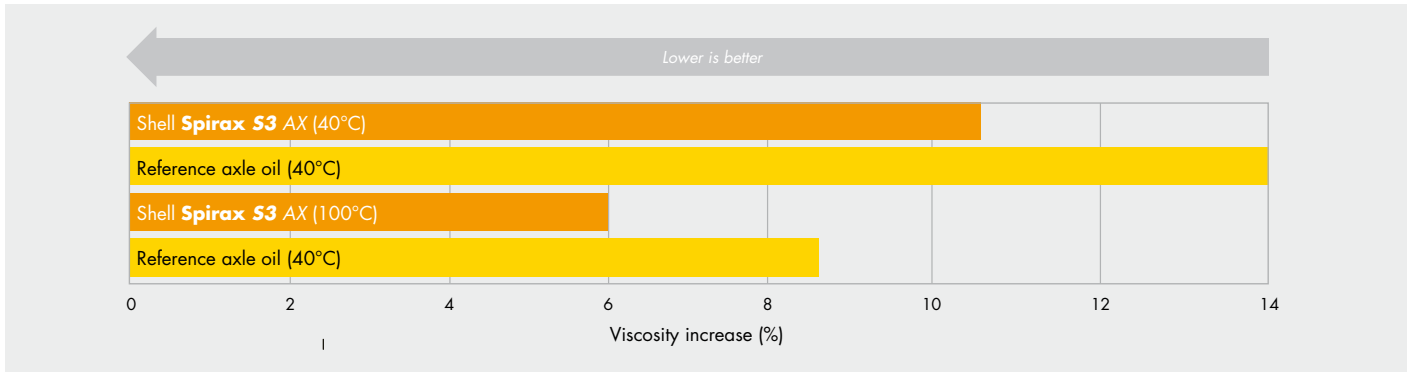


## DESIGNED FOR LONG OIL LIFE

Limiting fluid degradation can help to prolong oil and component life. Shell Spirax S3 AX has excellent resistance to physical and chemical breakdown, which means that it can go on protecting components for longer. It has

- **excellent oxidation resistance,**

*as it thickens significantly less than a reference oil in oxidation tests and stays in grade to protect your components for longer.*



## SYSTEM EFFICIENCY

Shell Spirax S3 AX has special frictional properties that reduce power loss and offer higher mechanical efficiency. These properties can help to cut fuel costs for your business. It also has a shear-stable formulation for improved flow properties and shiftability at low temperatures.

## APPLICATIONS



Versatile applications – suitable for moderately to heavily loaded on- and off-road driveline applications, including automotive gearboxes; hypoid gear axles; general and ancillary equipment gear sets; and some industrial equipment. It is also suitable for non-synchronised transmissions where a GL-5 product is required.

## SPECIFICATIONS AND APPROVALS

Shell Spirax S3 AX exceeds API GL-5, MT-1 requirements and meets requirements of MIL-2105D, MAN 342 Type M2 and ZF-TE-ML.

## FULL PRODUCT AND SERVICE PORTFOLIO

Whatever your needs or application, we can provide a full range of lubricants and services, including Shell Rimula heavy-duty engine oils, Shell Gadus greases and the Shell LubeAnalyst oil and equipment condition monitoring service.

For more information, please contact

[shell.com/lubricants](http://shell.com/lubricants)

