Shell Spirax S6 AXME

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 assist 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*

✓ Reduced friction for improved fuel efficiency.
✓ Longer oil-drain interval for reduced maintenance costs and better value.
✓ Exceptional wear and corrosion protection for longer equipment life.
✓ Less oil leakage.

*This is a guide only. Actual benefits may vary depending on the application, the current oil used and the condition of the equipment.

EXCEPTIONAL PERFORMANCE, SYNTHETIC AXLE OIL

Shell Spirax S6 AXME is Shell’s unique, fuel-efficient, long-life axle oil, and is designed to provide excellent protection for the latest heavy-duty axles and manual transmissions where axle oil is specified. It is specifically formulated with synthetic base oils and additive technology for improved drive-train lubrication and lower operating temperatures. Shell Spirax S6 AXME also helps to promote longer life for equipment operating under highly stressful conditions.

DESIGNED TO PROTECT

Protecting axles and manual transmissions from wear, pitting and corrosion can help to extend component life and maximise your return on investment. Shell Spirax S6 AXME:

= helps to prevent damaging deposits from forming in the gears, thanks to its high oxidation resistance, so components can last longer.

= offers far greater wear protection than an SAE 90 GL-5 reference oil in the FZG slow-speed wear test run over 120 hours, which evaluates lubricant performance under extreme wear conditions.

Pinion and gear wear (mg) [FZG C/0.05/90:120/10]
DESIGNED FOR LONG OIL LIFE

Limiting fluid degradation can help to prolong oil and component life. Shell Spirax S6 AXME has exceptional resistance to physical and chemical breakdown, which means that it can go on protecting components for longer. It has:

- **excellent oxidation resistance,** as it remains within the oxidation limits for four times longer than the normal test period.

![Oxidation Stability Graph]

<table>
<thead>
<tr>
<th>Shell Spirax S6 AXME (50 hours)</th>
<th>Shell Spirax S6 AXME (100 hours)</th>
<th>Shell Spirax S6 AXME (200 hours)</th>
<th>Industry limit (50 hours)</th>
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<tr>
<td>API MT 1 requirement</td>
<td>Four times the normal test period</td>
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### FUEL EFFICIENCY

Shell Spirax S6 AXME has special frictional properties and high fluidity that help reduce power loss, lower the operating temperature and offer higher mechanical efficiency. In hypoid gear tests, Shell Spirax S6 AXME reduced temperatures by 12ºC compared with an SAE 90 GL-5 reference oil. These properties can help to cut fuel costs for your business.

### SPECIFICATIONS AND APPROVALS

The benefits of Shell Spirax S6 AXME have been demonstrated through extensive laboratory tests and over 20 million kilometres of field trials. A wide range of industrial bodies and vehicle manufacturers recognise these benefits, and approve Shell Spirax S6 AXME, including for extended-drain-interval specifications. It is available in viscosity grades 75W-90 and 80W-140.

<table>
<thead>
<tr>
<th>Requirements</th>
<th>Approvals</th>
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<tr>
<td>API GL-5, MT-1</td>
<td>AGMA Standard 250.03</td>
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<tr>
<td>MIL-PRF-2105E</td>
<td>Anvrimeritor O76-N, O76-E, O76-M, O76-Q, O76-R</td>
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<td>SAE J2360</td>
<td>DAF</td>
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<td>Dana SAE-256 Rev. C</td>
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### APPLICATIONS*

Suitable for heavy-duty differentials; all applications normally lubricated by automotive gear oil such as rear wheel bearings, manual steering gears and universal joints; transfer cases for automobiles, light and heavy-duty trucks, farm equipment and heavy construction equipment; industrial gear applications where extreme pressure oils with excellent low- and high-temperature properties are required; differentials used with Eaton and Anvrimeritor extended warranties; and non-synchronised manual transmissions and transmissions where the manufacturer specifies an API GL-5 oil.

* This is a guide only. Before using Shell Spirax S6 AXME please check with the relevant equipment manufacturer to ensure compatibility or call the Shell Technical Advice Centre on 13 16 18.

### FULL PRODUCT AND SERVICE PORTFOLIO

Whatever your needs or application, we can provide a wide 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:

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Emergency phone number (24 hours) 1800 651 818
Technical Assistance Australia 13 16 18

shell.com.au/lubricants