



Shell Spirax S6 GME 40

Synthetic Transmission Fluid

Spirax S6 GME 40 Synthetic transmission fluid is a specially formulated synthetic lubricant designed for extended drain intervals and severe service in heavy duty commercial vehicle transmissions which require a non-EP transmission lubricant. It is specially formulated to protect higher torque transmissions coupled with increased horsepower engines. It is approved for use in Eaton transmissions such as Ultrashift Plus, Fuller Advantage, FR and RT Series transmissions.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- Spirax S6 GME 40 is uniquely formulated to provide up to 1.5 % fuel economy improvement while maintaining excellent shear stability compared to the prior generation Spirax S6 GME 50.
- Spirax S6 GME 40 provides high performance and extended drain capabilities in transmissions up to 500,000 miles in Eaton transmissions.
- Spirax S6 GME 40 has excellent thermal and oxidation stability which resists deposit and sludge formation.
- The advanced additive system in Spirax S6 GME 40 provides excellent protection from corrosion, foaming, rust, and wear.
- The use of high viscosity index synthetic base fluids allows Spirax S6 GME 40 to provide excellent high and low temperature performance and superior low temperature flow compared to the prior generation Spirax S6 GME 50.
- Spirax S6 GME 40 provides friction retention, friction durability, and excellent shear stability to help ensure and maintain smooth transmission operations throughout the extended drain interval.
- Spirax S6 GME 40 is formulated to help reduce sump operating temperatures.

Main Applications

Spirax S6 GME 40 Synthetic transmission fluid is recommended where wear, low temperatures or heat present major problems and a non-EP lubricant is required. Typical usage includes transmissions, transfer cases, and wheel end hubs. Recommended commercial vehicle applications include line haul, vocational, off-road, pick-up and delivery, and buses.

Specifications, Approvals & Recommendations

Spirax S6 GME 40 Synthetic transmission fluid is approved for these OEM specifications:

- Eaton PS-386 (replaces Eaton PS 164, Rev. 7)
- Con Met
- Meritor Specification O-81
- API MT-1

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Helpdesk.

Typical Physical Characteristics

Properties		Method	Shell Spirax S6 GME 40
Viscosity	@100°C (212°F) cSt	ASTM D445	14.8
Viscosity	@40°C (104°F) cSt	ASTM D445	95.1
Viscosity	@-40°C (-40°F) cP	ASTM D2983	51 900
Viscosity Index		ASTM D2270	163
Pour Point	°C (°F)	ASTM D97	-42 (-44)
Flash Point	°C (°F)	ASTM D92	238 (460)

Properties		Method	Shell Spirax S6 GME 40
Fire Point	°C (°F)	ASTM D92	276 (528)
API gravity	@15.6°C (60°F)	ASTM D287	34.9
Density	@15.6°C (60°F) g/l (lbs./gal.)	ASTM D1298	850 (7.09)

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

Health, Safety & Environment

- **Health and Safety**

Shell Spirax S6 GME 40 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on Health and Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from <http://www.epc.shell.com/>

- **Protect the Environment**

Take used oil to an authorised collection point. Do not discharge into drains, soil or water.

Additional Information

- **Advice**

Advice on applications not covered here may be obtained from your Shell representative.