



# Shell Spirax<sup>®</sup> GSX

*High performance, synthetic transmission fluid*

Spirax<sup>®</sup> GSX SAE 50 is the latest addition to the Spirax<sup>®</sup> family of axle and transmission fluids. It is a synthetic heavy-duty transmission fluid specially formulated for extended drain and severe service applications. This fluid is approved as a Roadranger<sup>®</sup> Genuine Lubricant for use in Eaton extended warranty transmission service.

## Applications

- **Heavy-Duty transmissions**  
Synchromesh gearboxes, including those with integrated retarders, and medium loaded axle drives where mineral or synthetic non EP gear oils are required.

## Performance Features and Benefits

- **All-climate year round performance**  
Formulated from synthetic base stocks and additives, which provide fluidity at sub-zero temperatures as well as lubricity and film strength at elevated temperatures.
- **Extended Drain Intervals**  
Engineered to provide extended drain capabilities in transmissions such as Eaton, ArvinMeritor.
- **Longer transmission life**  
Contains an effective anti-wear system along with corrosion and oxidation inhibitors that protect system components and helps achieve longer transmission life and potential reduced maintenance costs and less down time.
- **Potential for increased fuel economy over the oil drain interval**  
The enhanced oxidative stability of the product helps maintain the original viscosity of the fluid, thereby increasing the potential for fuel economy savings over the drain interval.

- **Recognized by Leading Equipment Manufacturers**

A number of leading equipment manufacturers recognize the benefits of a product like Spirax<sup>®</sup> GSX SAE 50. See list in Specifications and Approvals.

- **Part of the Shell family of heavy-duty lubricants and coolants.**

## Specification and Approvals

API Service Classification	MT-1
Eaton	PS-164 rev 7
ArvinMeritor	O-81
Navistar	TMS 6816
Mack Truck	TO-A-Plus

## Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.

## Health and Safety

For information on the safe handling and use of this product, refer to its Material Safety Data Sheet at <http://www.shell-lubricants.com/msds/>. If you are a Shell Distributor, please call 1+800-468-6457 for all of your service needs. All other customers, please call 1+800-840-5737 for all of your service needs. Information is also available on the World Wide Web: <http://www.shell-lubricants.com/>.

## Protect the environment

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

## Typical Physical Characteristics

Typical Properties of Shell Spirax® GSX		
	Shell Spirax® GSX SAE 50	Test Methods
Product Code		
400 lb drum	5070739	
120 lb keg	5070738	
35 lb pail	5070736	
Appearance, visual	Light Amber	
SAE Grade	50	SAE J-300
Viscosity, cSt		ASTM D-445
100°C	17.5	
40°C	132	
Viscosity, SUS		ASTM D-2161
210°F	89.9	
100°F	678	
Viscosity, cP		ASTM D-2983
-40°C	104,000	
Viscosity index	146	ASTM D-2270
Pour point, °C (°F)	<-45 (<-49)	ASTM D-97
Flash point, °C(°F)	221 (430)	ASTM D-92
Foam		ASTM D-892
sequence I	pass	
sequence II	pass	
sequence III	pass	
API gravity 15.6/15.6°C	33.0	ASTM D-287
Density, g/l, 15.6°C (lbs./gal., 60°F)	860 (7.16)	ASTM D-1298
Copper strip corrosion		ASTM D-130
3 hrs. at 100°C (212°F)	1a pass	
3 hrs. at 121°C (250°F)	1a pass	