



Shell Spirax® EW 75W-90

High performance, extended warranty axle oil, for heavy-duty automotive differentials requiring the Roadranger SHAES 256 Rev C specification.

Shell Spirax EW SAE 75W-90 is an axle fluid, designed to provide the required protection for the latest heavy-duty axles that call for an API GL-5 type product. Specially formulated with base oils and additive technology that provide improved lubrication of the drive train, lowers the operating temperature and helps promote longer life for the equipment. Shell Spirax EW SAE 75W-90 is capable of extended oil drain and is approved by several OEMs for their extended drain specifications.

Applications

- **Drive Axles in heavy duty on-highway trucks**
Heavy duty axles and other applications where a 75W-90 API GL-5 extreme pressure (EP) mineral or synthetic gear oil is recommended.

Note: For Eaton Roadranger Transmissions Use Spirax GSX SAE 50

Performance Features and Benefits

- **Longer oil drain capability**
Meets the requirements of Dana SHAES 256 Rev C, (500,000 mile oil drains, with warranty for 750,000 miles), which documents the long drain capability of the formulation. *Please contact your local Shell representative for more information about extended oil drain intervals.*
- **Longer equipment life**
Excellent protection against gear wear and pitting, helps prevent premature failures. Outstanding oxidation resistance also helps prevent damage to seals due to deposit formation.
- **Less lubricant usage**
Excellent static and dynamic seal compatibility that meets or exceeds a number of leading OEM requirements, which helps minimize seal leaks. The extended drain capabilities help maximize oil drain intervals resulting in less

overall lubricant usage during the life of the equipment.

- **Recognized by leading equipment manufacturers**

A number of leading equipment manufacturers recognize the benefits of Shell Spirax EW SAE 75W-90 and have formally approved it against their specifications.

Specification and Approvals

Shell Spirax EW SAE 75W-90	
API	GL-5, MT-1
ArvinMeritor	O76-N, O76-E
DANA	SHAES-256 Rev C
International	TMS 6816
US Military	MIL-PRF-2105E / SAE J2360
Mack	GO-J Plus

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 that 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



Technical Data Sheet

Typical Physical Characteristics

Shell Spirax EW		75W-90
SAE Viscosity Grade	SAE J-306	75W-90
Appearance		Dark Amber
Kinematic Viscosity cSt @ 40°C @100°C	ASTM D-445	122 16.6
Viscosity, cP @ -40°C	ASTM D-2983	125,000
Viscosity Index	ASTM D-2270	147
Density @ 15.6°C g/l (lbs/gal., 60°F)	ASTM D-1298	891 7.42
Flash Point COC °C / (°F)	ASTM D-92	204 / (400)
Pour Point °C / (°F)	ASTM D-97	<-45 / (<-48)

These characteristics are typical of current production. While future production will conform to Shell specification, variations in these characteristics may occur. The information contained herein is subject to change without notice.