



# Shell Spirax® EW SAE 80W-140

*High performance, extended warranty gear oil, for heavy-duty automotive differentials used in demanding vocational applications.*

Shell Spirax EW SAE 80W-140 gear oil is a high performance multigrade axle fluid, designed to provide the required protection for the latest off-road heavy-duty axles that call for an API GL-5 SAE 80W-140 grade 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 80W-140 is capable of extended oil drain in severe operating conditions and is approved by OEMs against their extended drain vocational vehicle specifications.

## Applications

- **Drive Axles in heavy duty off-highway vehicles and vocational equipment**

Heavy duty axles and other applications where an 80W-140 API GL-5 extreme pressure (EP) mineral or synthetic gear oil is recommended.

**Note:** For Eaton Roadranger on-highway axles use Spirax ASX R 75W-90.

## Performance Features and Benefits

- **Longer oil drain capability**

Meets the requirements of Dana SHAES 429 (180,000 mile extended oil drain intervals or 3 years whichever occurs first). *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**

Leading equipment manufacturers recognize the benefits of Shell Spirax EW SAE 80W-140 and have formally approved it against their specifications.

## Specification and Approvals

Shell Spirax EW SAE 80W-140	
API	GL-5, MT-1
DANA	SHAES-429 (Vocational)
US Military	MIL-PRF-2105E
Mack	GO-J

## 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



## Typical Physical Characteristics

Shell Spirax EW		80W-140
SAE Viscosity Grade	SAE J-306	80W-140
Appearance (ASTM)		Dark Amber (1.5)
Kinematic Viscosity cSt @ 40°C @100°C	ASTM D-445	247.6 27.4
Brookfield Viscosity, cP @ -26°C	ASTM D-2983	60,000
Viscosity Index	ASTM D-2270	145
Density @ 15°C gm/l	ASTM D-1298	872
Flash Point COC °C / (°F)	ASTM D-92	188 / (370)
Pour Point °C / (°F)	ASTM D-97	<- 38 / (<-39)

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.