



Shell Spirax® ASX R SAE 75W-90

High performance, synthetic transmission and axle fluid meeting Roadranger SHAES 256 Rev C specifications with enhanced fuel efficiency.

Shell Spirax ASX R SAE 75W-90 is a fuel-efficient, long life transmission and axle fluid, designed to provide ultimate protection to the latest heavy duty manual transmissions and axles that call for an API GL-5 type product. Specially formulated with synthetic 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 ASX R SAE 75W-90 is capable of extended oil drain and is approved by several OEMs for their extended drain specifications. Standard industry and commercial fleet testing have demonstrated a fuel efficiency improvement of over 1% when compared to several products in the same application.

Applications

- **Transmissions and axles**
Heavily loaded axles and non-synchronized transmissions where mineral and synthetic gear oils are recommended

Performance Features and Benefits

- **Fuel efficient formulation**
Proven fuel efficiencies in both standard industry and commercial fleet testing methods of over 1%.
- **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 fuel efficient 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 ASX R SAE 75W-90 and have formally approved it against their specifications.

Specification and Approvals

Shell Spirax ASX R SAE 75W-90	
API	GL-5, MT-1
ArvinMeritor	O76-N, O76-E
DANA	SHAES-256 Rev C
Eaton	E500
International	TMS 6816
US Military	MIL-PRF-2105E / SAE J2360
Mack	GO-J Plus

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.

Advice

Advice on applications not covered in this leaflet may 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 ASX R		75W-90
SAE Viscosity Grade	SAE J-306	75W-90
Appearance		Amber
Kinematic Viscosity cSt @ 40°C @100°C	ASTM D-445	103.0 15.0
Viscosity, cP @ -40°C	ASTM D-2983	90,000
Viscosity Index	ASTM D-2270	152
Density @ 15.6°C g/l (lbs/gal., 60°F)	ASTM D-1298	891 7.42
Flash Point COC °C / (°F)	ASTM D--92	215 / (420)
Pour Point °C / (°F)	ASTM D-97	<-45 / (<-49)

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.