Shell Thermally Stable Super 90

High performance Axle Oil

Shell Thermally Stable Super 90 is a premium quality LSD performance axle oil specifically formulated to meet the frictional and high temperature requirements of Dana Spicer axles.

Applications

Automotive Axles

Thermally Stable Super 90 is uniquely developed by Shell and Dana Spicer to provide optimum performance in rear axle systems

It has been specifically designed for automotive rear axle systems requiring LSD performance, combined with excellent friction and high temperature properties.

Extensive field trials have been carried out on this product resulting in sole approval for initial and service fill in Jaguar models and a number of other UK OEMs using these axles. It is the exclusive Factory and Service Fill axle oil for the following models:

- Jaguar XJR, XJ, XK and XKR

Performance Features Benefits

Reduced power loss:

Thermally Stable Super 90 has been developed in close cooperation with Dana Spicer in the U.K., to reduce friction and significantly increase power transmission yield.

Superior Lubricant Life:

Thermally Stable Super 90 has been specifically formulated to provide long life even under the most severe operating conditions and high operating temperatures, providing for even greater gear protection.

Extended Gear Life Performance:

Thermally Stable Super 90 has been developed specifically to allow for superior gear protection in the following areas:

- Anti-Pitting
- Shear Stability
- Fretting Performance

These performance characteristics provide the best in gear protection and performance, which maximize the designed gearbox life when used for top up and fluid changes.

Specification and Approvals

API Service Classification GL-5

Jaguar Part No JLM 20237

Unipart Part No 900687

Health & Safety

Guidance on Health and Safety are available on the appropriate Material Safety Data Sheet, which can be obtained from your Shell representative.

Protect the environment

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

Typical Physical Characteristics

Thermally Stable Super 90		SAE	90
Kinematic Viscosity		ISO 3104	
at 40°C	mm^2/s		220.0
at 100°C	mm^2/s		19.5
Viscosity Index		ISO 2909	101
Density at 15°C	kg/m^3	ISO 12185	930
Flash Point COC	°C	ISO 2592	150
Pour Point	°C	ISO 3016	-24

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