



# Shell Spirax MB 90

*High quality heavy duty axle oil*

Spirax MB is an extreme-pressure lubricant containing multi-functional additives which impart good anti-wear, oxidation stability and anti-rust characteristics. It is suitable for gear applications presenting load-speed conditions of extreme severity, such as medium and low speed spur or helical gear units, spiral-bevel and hypoid axle units.

## DESIGNED TO MEET CHALLENGES

### Performance, Features & Benefits

- **Comprehensive components**  
Specially selected additives impart good anti-wear, oxidation stability and anti-rust characteristics.

### Main Applications

- **Automotive transmissions**  
A heavy duty SAE 90 rear axle oil blended to meet the requirements of Mercedes Benz and ZF

### Specifications, Approvals & Recommendations

- API Service Classification GL-5
- US Military MIL-L-2105B
- Mercedes Benz Sheet 235.0
- MAN 342 Typ M1
- ZF TE-ML 16C, 17B, 19B, 21A
- Volvo 97310

For a full listing of equipment approvals and recommendations, please consult your local Shell Technical Help Desk.

### Typical Physical Characteristics

Properties			Method	Shell Spirax MB 90
SAE Viscosity Grade			SAE J 306	90
Kinematic Viscosity	@ 40°C	mm <sup>2</sup> /s	ISO 3104	184
Kinematic Viscosity	@ 100°C	mm <sup>2</sup> /s	ISO 3104	16.9
Viscosity Index			ISO 2909	97
Density	@ 15°C	Kg/m <sup>3</sup>	ISO 12185	909
Flash Point COC		°C	ISO 2592	175
Pour Point		°C	ISO 3106	-18

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

### Health, Safety & Environment

#### • Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.

Guidance on health and safety is available on the appropriate Material Safety Data Sheet (MSDS), which can be obtained from <http://epc.shell.com>

#### • Protect the Environment

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

## Additional Information

- **Advice**

Advice on applications not covered here may be obtained from your Shell Representative