



# Shell Spirax MA 80W

## High Quality Heavy Duty Gearbox Oil

Spirax MA is an extreme-pressure automotive gear lubricant containing multifunctional additives required for mild extreme-pressure conditions.

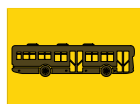
### DESIGNED TO MEET CHALLENGES

#### Performance, Features & Benefits

- **Comprehensive components**

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

#### Main Applications



- **Automotive transmissions**

SAE 80W extreme pressure transmission oil is blended to meet the requirements of Mercedes Benz and ZF.

#### Specifications, Approvals & Recommendations

- API Service Classification: GL-4
- Mercedes Benz Sheet: 235.1
- MAN: 341 Typ Z1, E1
- ZF TE-ML 17A

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

#### Typical Physical Characteristics

Properties			Method	Shell Spirax MA
SAE Viscosity Grade			SAE J 306	80W
Kinematic Viscosity	@40°C	mm <sup>2</sup> /s	ISO 3104	81
Kinematic Viscosity	@100°C	mm <sup>2</sup> /s	ISO 3104	9.7
Viscosity Index			ISO 2909	100
Density	@15°C	kg/m <sup>3</sup>	ISO 12185	896
Flash Point COC		°C	ISO 2592	200
Pour Point		°C	ISO 3016	-36

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**

Shell Spirax MA 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, 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.

## Additional Information

- **Advice**

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