



Shell Spirax MA 80W

High Quality Heavy Duty Gearbox Oil

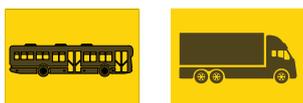
Spirax MA is an extreme-pressure automotive gear lubricant containing multifunctional additives required for mild extreme-pressure conditions.

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
- DTFR 13B100
- MB-Approval 235.14
- ZF TE-ML 17A
- Spirax MA 80W can be used in applications where MAN 341 Typ E1, Z1 is required

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

Typical Physical Characteristics

Properties			Method	Shell Spirax MA 80W
SAE Viscosity Grade			SAE J 306	80W
Kinematic Viscosity	@40°C	mm ² /s	ISO 3104	87
Kinematic Viscosity	@100°C	mm ² /s	ISO 3104	9.9
Viscosity Index			ISO 2909	100
Density	@15°C	kg/m ³	ISO 12185	893
Flash Point COC			ISO 2592	200
Pour Point			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 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.