



Shell Transmission Oil MA 75W-90

Synthetic high quality gearbox oil

Transmission MA is a fully synthetic gearbox oil designed to fulfil the latest Mercedes Benz heavy duty transmission requirements.

DESIGNED TO MEET CHALLENGES

Performance, Features & Benefits

- **New Technology**

A new technology particularly improves the thermal stability of the lubricant and wear protection of the hardware components. The viscosity allow trouble free shifting at low temperature and also a continuous lubrication at the highest temperature.

- **Longer oil drain capability**

Working temperature reduction behaviour ensures long-term protection of the gears and high oxidation resistance so providing extended drain capability.

Main Applications

- **Heavy duty gearboxes**

fitted with synchromesh, in particular for those working under very severe load and operation conditions and therefore where the oil temperature is usually high.

This product is particularly designed to meet the latest Mercedes Benz heavy duty transmission requirements and can be used where this manufacturer recommend an approved lubricant according to the Sheet DTFR 13B110.

- **Automotive transmissions**

Transmission MA can also be recommended for passenger car gearboxes including Transaxle design.

Specifications, Approvals & Recommendations

- API Service Classification GL-4
- DTFR 13B110
- MB-Approval 235.21

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

Typical Physical Characteristics

| Properties | | | Method | Shell Transmission Oil MA 75W-90 | |
|---------------------|--------|--------------------|-----------|----------------------------------|-----|
| SAE Viscosity Grade | | | SAE J306 | 75W-90 | |
| Kinematic Viscosity | @40°C | mm ² /s | ISO 3104 | 96 | |
| Kinematic Viscosity | @100°C | mm ² /s | ISO 3104 | 14.6 | |
| Viscosity Index | | | ISO 2909 | 158 | |
| Density | @15°C | kg/m ³ | ISO 12185 | 847 | |
| Flash Point (COC) | | | °C | ISO 2592 | 215 |
| Pour Point | | | °C | ISO 3016 | -42 |

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**

Transmission 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 www.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.