Shell Transmission MA

Synthetic high quality gearbox oil

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

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 235.11.
- ***Automotive transmissions***
  Transmission MA can also be recommended for passenger car gearboxes including Transaxle design.

Performance Features and 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.

Specification and Approvals

API Service Classification	GL-4
Mercedes Benz Sheet	235.11

Advice

Advice on applications not covered in this leaflet may be obtained from your Shell Representative.

Health and 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 authorized collection point. Do not discharge into drains, soil or water.

Typical Physical Characteristics

Transmission MA			**75W-90**
SAE Viscosity grade		SAE J 306	75W-90
Kinematic Viscosity		ISO 3104	
at 40°C	mm^2/s		96
at 100°C	mm^2/s		14.6
Viscosity Index		ISO 2909	158
Density at 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.