

Group W - Lubrication and Maintenance

Type 220

Oil and Grease for the Various Car Units

Engine

Max. filling 6 liters (12.7 US pints; 10.5 Imp. pints),
min. filling 3.5 liters (7.4 US pints; 6.15 Imp. pints).

For details regarding viscosity and class of oil see the Instruction Manual.

Cooling Water Pump

10 cc (0.6 cu.in.) of SAE 90 hypoid oil as for the rear axle.

Distributor

BOSCH Ft 1 v 8 lubricating grease for grease cup,
BOSCH Ft 1 v 4 lubricating grease for hollow space of breaker sliding piece,
Engine oil for felt in cam bore.

Generator

Engine oil.

Transmission

1.4 liters (2.9 US pints; 2.5 Imp. pints) of thin transmission oil (Transmission Fluid).

Rear Axle

2.6 liters (5.5 US pints; 4.6 Imp. pints); summer and winter: SAE 90 hypoid oil.

Front Wheel Hubs

80 g (2.82 oz.) of anti-friction bearing grease per hub.

Steering

ZF Ross steering:
0.175 liters
(0.37 US pints, 0.31 Imp. pints)

Daimler-Benz steering:
0.4 liters
(0.85 US pints, 0.7 Imp. pints)

} SAE 90 hypoid oil as for the rear axle

Central Lubricating System

0.4 liters (0.85 US pints; 0.7 Imp. pints) of hypoid oil as for the rear axle.

Hydraulic Brake

0.5 liters (1.05 US pints; 0.9 Imp. pints) of original ATE blue brake fluid or Lockheed brake fluid.

Direction Indicator Switch

1 g (0.035 oz.) of M 1/2 Kollag grease.

Starter Cable, Heater Cable

Shell Ambroleum control cable grease.

Lubricating Nipples on Propeller Shaft

Anti-friction bearing grease.

Type 220a

Oil and Grease for the Various Car Units

Engine

Max. filling 6 liters (12.7 US pints; 10.5 Imp. pints),
min. filling 3.5 liters (7.4 US pints; 6.15 Imp. pints).

Distributor

Engine oil for oiler and felt in cam bore,
BOSCH Ft 1 v 4 for hollow space of breaker sliding piece.

Cooling Water Pump

10 cc (0.6 cu.in.) of SAE 90 hypoid oil as for the rear axle.

Generator

Engine oil.

Transmission

1.4 liters (2.9 US pints; 2.5 Imp. pints); summer and winter: SAE 90 hypoid oil.

Rear Axle

2.25 liters (4.75 US pints; 4.0 Imp. pints); summer and winter: SAE 90 hypoid oil.

Front Wheel Hubs

65 g (2.3 oz.) of anti-friction bearing grease per hub.

Steering

0.3 liters (0.65 US pints; 0.5 Imp. pints) of SAE 90 hypoid oil as for the rear axle.

Hydraulic Brake

0.5 liters (1.05 US pints; 0.9 Imp. pints) of original ATE blue brake fluid or Lockheed brake fluid.

Direction Indicator Switch

1 g (0.035 oz.) of M 1/2 Kollag grease.