

Prescribed Specifications for Service Fill Engine Oils
Passenger Car/ VAN engines - Mercedes-Benz, AMG, Maybach, smart

Version: 12/2014

MB Sheet 223.2

MB specifications for operating fluids / MB Sheet	226.5	226.51	228.3	228.5	228.51	229.3	229.31	229.5	229.51	229.52
	Multigrade	Multigrade	Multigrade	Multigrade	Multigrade	Multigrade	Multigrade	Multigrade	Multigrade	Multigrade
Gasoline Engines - Western Europe -										
M 155 (SLR)	-	-	-	-	-	● ^{1.)}	-	-	-	-
M 152, M 157, M 177, M 178	-	-	-	-	-	-	-	● ^{2.)}	-	-
M 133, M 156, M 159	-	-	-	-	-	-	-	● ^{2.)}	● ^{2.)}	● ^{2.)}
M 275, M277, M279, M 285 (Maybach) and AMG engines except M 155 (SLR), M 156 und M 159	-	-	-	-	-	-	-	● ^{2.)}	-	-
M 278, M 276	-	-	-	-	-	-	-	●	-	-
M 122, M 272 / 273	-	-	-	-	-	●	-	●	-	-
M 132, M 266, M 271	-	-	-	-	-	●	●	●	●	●
M 270, M 271 EVO, M 274	-	-	-	-	-	●	-	●	●	●
M 281	●	-	-	-	-	●	-	●	-	-
VAN engines (Citan): M 200.71	●	-	-	-	-	●	-	●	-	-
Gasoline Engines - Worldwide (except Western Europe) -										
M 155 (SLR)	-	-	-	-	-	● ^{1.)}	-	-	-	-
M 152, M 157, M 133, M 156, M 159, M 177, M178 , M 275, M 277, M 279, M 285 (Maybach) and AMG engines except M 155 (SLR)	-	-	-	-	-	-	-	● ^{2.)}	-	-
M 132, M 278, M 276 (incl. DELA), M 122, M 272 / 273, M 266, M 271, M 270, M 271 EVO, M 274	-	-	-	-	-	-	-	●	-	-
M 281	●	-	-	-	-	-	-	●	-	-
VAN engines (Citan): M 200.71	●	-	-	-	-	-	-	●	-	-
Diesel Engines - Worldwide -										
(a) in vehicles without particulate filter (DPF)										
OM 660	-	-	-	●	●	●	●	●	●	●
OM 640, OM 642, OM 646, OM 651	-	-	-	●	●	●	●	●	●	●
VAN engines (Vito, Viano, Sprinter): OM 611, OM 612, OM 646, OM 647, OM 651	-	-	● ^{3.)}	● ^{3.)}	● ^{3.)}	● ^{3.)}	● ^{3.)}	● ^{3.)}	● ^{3.)}	● ^{3.)}
(b) in vehicles with particulate filter (DPF)										
OM 607 (in passenger car vehicles), OM 626	-	●	-	-	-	-	●	-	●	●
OM 629, OM 640, OM 646, OM 651	-	-	-	-	●	-	●	-	●	●
OM642 except: OM642 EU6 in BR 164.124/.824, BR 251.124, BR 221 (UK), BR 222 (UK) OM642 in BR 463.306/.336/.346 OM642 Bin5 in BR 164.125/.825, BR 251.125 (only USA and Canada) OM642 EU4 in BR 221.122 (UK)	-	-	-	-	●	-	●	-	●	●
OM642 EU6 in BR 164.124/.824, BR 251.124, BR 221 (UK), BR 222 (UK) OM642 in BR 463.306/.336/.346 OM642 Bin5 in BR 164.125/.825, BR 251.125 (only USA and Canada) OM642 EU4 in BR 221.122 (UK)	-	-	-	-	-	-	-	-	-	●
OM 660 (EU3/EU4 with none-controlled particulate filter (DPF))	-	-	-	○	●	-	●	-	●	●
VAN engines (Vito, Viano, Sprinter): OM 642, OM 646, OM 651	-	-	-	-	● ^{3.)}	-	● ^{3.)}	-	● ^{3.)}	● ^{3.)}
VAN engines (Citan, Vito): OM 607, OM 622	-	●	-	-	● ^{3.)}	-	-	-	-	-

- Approval
- Can only be used in exceptional cases or under certain operating conditions/in certain applications.
- Must not be used

1.) Restriction: Only SAE 5W-50 engine oils are allowed

2.) Restriction: Only SAE 0W-40 und SAE 5W-40 engine oils are allowed !

3.) Recommendation: In order to ensure cold start operability at temperatures below -20 °C as well as optimum lubrication at low outside temperatures and under conditions of high biofuel content in the fuel, the viscosities SAE 0W-30, 0W-40 or SAE 5W-30, 5W-40 are recommended as year-round engine oils for VAN engines. Please note the temperature ranges of vehicle operation indicated in the operator's manual or on sheet 224.1.

Notes:

The prescribed engine oil specifications (MB sheet) are documented in the vehicle's manual .

Information for older engine models not listed in the table can be found in the vehicle operator's manuals, service information or maintenance instructions

The prescribed oil drain intervall is dependant on the applied engine oil specification. Details are documented in the vehicle's manual, the service informations or maintenance instructions.

Single and multi grade oils can be used all year-round taking into consideration the outside temperature (see sheet 224.1)

The suitability of the applied viscosity grade (SAE grade) for the expected outside temperatures has to be ensured before the cold season starts.

**Prescribed Specifications for Service Fill Engine Oils
Commercial Vehicle Engines - Mercedes-Benz**

Version: 01/2014

MB Sheet 223.2

MB specifications for operating fluids / MB Sheet	226.9	228.0 / .1	228.2 / .3	228.31	228.5	228.51
	Multigrade	Mono- / Multigrade	Mono- / Multigrade	Multigrade	Multigrade	Multigrade
Diesel engines - worldwide -						
(a) in commercial vehicles and busses without particulate filter (DPF)						
BR 300, 400, 500, 900 & OM 457, OM 460 up to and including Euro 3	-	○ / ●	○ / ●	●	●	●
BR 900, BR 500, OM 457, OM 460 Euro 4 / 5	-	-	○ / ●	●	●	●
Gas engines	●	-	-	●	-	●
(b) in commercial vehicles and busses with particulate filter						
BR 900, BR 500, OM 457, OM 460	-	-	○	●	○	●
OM 934, OM 936	-	-	-	●	-	●
OM 470, OM 471, OM 473, OM 936h	-	-	-	-	-	●

- Approval
- Can only be used in exceptional cases or under certain operating conditions/in certain applications.
- Must not be used

Notes:
 The prescribed engine oil specifications (MB sheet) are documented in the vehicle's manual.
 Information for older engine models not listed in the table can be found in the vehicle operator's manuals, service information or maintenance instructions
 The prescribed oil drain interval is dependant on the applied engine oil specification. Details are documented in the vehicle's manual, the service informations or maintenance instructions.
 Single and multi grade oils can be used all year-round taking into consideration the outside temperature (see sheet 224.1 and 224.2)
 The suitability of the applied viscosity grade (SAE grade) for the expected outside temperatures has to be ensured before the cold season starts.