

BB00.40-P-0223-02A	Specified engine oils (service) - Overview	Sheet 223.2 For Mercedes-Benz and Smart Status 73555	
		Viscosity classes of engine oils (car engines)	BB00.40-P-0224-01A
		Viscosity classes of engine oils (CV engines)	BB00.40-P-0224-02A
		Multigrade engine oils (specification 226.5)Engine all	BB00.40-P-0226-05A
		Low SPASH multigrade service engine oils (specification 226.51)Engine all	BB00.40-P-0226-51A
		Single grade engine oils (specification 228.0)	BB00.40-P-0228-00A
		Multigrade engine oils (specification 228.1)	BB00.40-P-0228-01A
		Single grade engine oils (specification 228.2)	BB00.40-P-0228-02A
		Multigrade engine oils (specification 228.3)	BB00.40-P-0228-03A
		Multigrade engine oils (specification 228.31)	BB00.40-P-0228-31A
		Multigrade engine oils (specification 228.5)	BB00.40-P-0228-05A
		Low SPASH multigrade service engine oils (specification 228.51)	BB00.40-P-0228-51A
		Multigrade engine oils (specification 229.3)	BB00.40-P-0229-03A
		Low SPASH multigrade service engine oils (specification 229.31)	BB00.40-P-0229-31A
		Multigrade engine oils (specification 229.5)	BB00.40-P-0229-05A
		Low SPASH multigrade service engine oils (specification 229.51)	BB00.40-P-0229-51A
		Low SPASH multigrade service engine oils (specification 229.52)	BB00.40-P-0229-52A

## Engine all

Single grade and multigrade oils can be used year round, taking the outside temperature into account (for application ranges, see sheet 224.1, sheet 224.2).

Before the cold season begins, ensure that the viscosity class (SAE-grade) used is sufficient for the outside temperatures to be expected.

Prescribed specification for service fill engine oils Car/van engines - Mercedes-Benz, AMG, Maybach, smart MB Specifications for Operating Fluids, sheet							
	Multigrade						
	226	229					
	.5	.3	.31	.5	.51	.52	
<b>Gasoline engines - Western Europe -</b>							
M 155 (SLR)	-	● 1.)	-	-	-	-	-
M 152, 157, 177, 178	-	-	-	● 2.)	-	-	-
M 133, 156, 159	-	-	-	● 2.)	● 2.)	● 2.)	-
M 275, 277, 279, 285 (Maybach), AMG engines except M 133, 155 (SLR), 156, 159	-	-	-	● 2.)	-	-	-
M 276, 278	-	-	-	●	-	-	-
M 122, 272, 273	-	●	-	●	-	-	-
M 132, 266, 271 except EVO	-	●	●	●	●	●	●
M 270, 271 EVO, 274	-	●	-	●	●	●	●
M 281	●	●	-	●	-	-	-
Van engines (Citan): M 200.71	●	●	-	●	-	-	-
<b>Gasoline engines - Worldwide without Western Europe -</b>							
M 155 (SLR)	-	● 1.)	-	-	-	-	-
M 133, 152, 156, 157, 159, 177, 178, 275, 277, 279, 285 (Maybach), AMG engines except M 155 (SLR)	-	-	-	● 2.)	-	-	-
M 122, 132, 266, 270, 271, 271 EVO, 272, 273, 274, 276.8, 276.9, 278	-	-	-	●	-	-	-
M 281	●	-	-	●	-	-	-
Van engines (Citan): M 200.71	●	-	-	●	-	-	-

Prescribed specification for service fill engine oils Car/van engines - Mercedes-Benz, AMG, Maybach, smart MB Specifications for Operating Fluids, sheet										
	Multigrade									
	226	228	229							
	.51	.3	.5	.51	.3	.31	.5	.51	.52	
<b>Diesel engines - Worldwide -</b>										
<b>in vehicles without diesel particulate filter (DPF)</b>										
OM 660	-	-	●	●	●	●	●	●	●	●
OM 640, 642, 646, 651	-	●	●	●	●	●	●	●	●	●
Van engines (Vito, Viano, Sprinter): OM 611, 612, 646, 647, 651	-	● 3.)	● 3.)	● 3.)	● 3.)	● 3.)	● 3.)	● 3.)	● 3.)	● 3.)
<b>in vehicles with diesel particulate filter (DPF)</b>										

OM 607 in model 117, 156, 176, 246 OM 626	●	-	-	-	-	●	-	●	●
OM 629, 640, 646, 651	-	-	-	●	-	●	-	●	●
OM 642 except OM 642 EU6 in model 164.124/824, 251.124, 221 (GB), 222 (GB) except OM 642 in model 463.306/336/346 except OM 642 Bin5 in model 164.125/825, 251.125 (USA), (CDN) except OM 642 EU4 in model 221.122 (GB)	-	-	-	●	-	●	-	●	●
OM 642 EU6 in model 164.124/824, 251.124, 221 (GB), 222 (GB) OM 642 in model 463.306/336/346 OM 642 Bin5 in model 164.125/825, 251.125 (USA), (CDN) OM 642 in model 221.122 (GB)	-	-	-	-	-	-	-	-	● 4.)
OM 660 (EU3/EU4 with non-regulated DPF)	-	-	○	●	-	●	-	●	●
Van engines (Vito, Viano, Sprinter): OM 642, 646, 651	-	-	-	● 3.)	-	● 3.)	-	● 3.)	● 3.)
Van engines (Citan, Vito): OM 607, 622	●	-	-	● 3.)	-	-	-	-	-

Prescribed specification for service fill engine oils Commercial vehicle engines - Mercedes-Benz					
MB Specifications for Operating Fluids, sheet	Single/multi-grade		Multigrade		
	228				
	.0/1	.2/3	.31	.5	.51
<b>Diesel engines - Worldwide -</b>					
<b>in commercial vehicles, buses without diesel particulate filter (DPF)</b>					
Model series 300, 400, 500, 900, OM 457, 460 up to and including Euro III	○ ●	○ ●	●	●	●
Model series 500, 900, OM 457, 460 Euro IV/V	-	○ ●	●	●	●
Natural gas engines	-	-	●	-	●
<b>in commercial vehicles, buses with diesel particulate filter (DPF)</b>					
Model series 500, 900, OM 457, 460	-	○	●	○	●
OM 934, 936 installed vertically			●	-	●
OM 470, 471, 473, 936 installed horizontally	-	-	-	-	●

**Notes:**

The general rule is that the binding oil quality (MB sheet) can be found in the respective vehicle operator's manual.  
This table only contains oil types for engines that are currently in production.  
Information on unlisted, older engine models can be found in the vehicle operator's manuals or the maintenance procedures.  
The prescribed engine oil change interval may depend on the engine oil specification used. Details can be found in the vehicle operator's manual, the service information or the maintenance procedures.  
Before the cold season, ensure that the viscosity class (SAE-grade) used is sufficient for the outside temperatures to be expected.

● Approval

○ Can only be used in exceptional cases or under certain operating conditions/in certain applications.

- May not be used.

- 1.) **Restriction:** Only SAE-grade 5W-50 products are permitted.
- 2.) **Restriction:** Only SAE 0W-40 and SAE 5W-40 engine oils may be used!
- 3.) **Recommendation:** In order to guarantee the cold start ability at temperatures below -20 °C as well as the best possible lubrication behavior at low outside temperatures and due to increased loads (e.g. due to alternative fuels), the viscosities SAE 0W-30, 0W-40 or SAE 5W-30, 5W-40 are recommended as year-round oils for van engines. Please note the application temperature ranges in the operator's manual or on sheet 224.1 in this regard.
- 4.) The product "Mercedes-Benz engine oil MB 229.51 BlueTEC" is also permitted.