BB00.40-P-0223-02A	Specified engine oils (service) - Overview	Sheet 223.2 For Mercedes-Benz and Smart	
		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
		Multigrade engine oils (specification 226.9)	BB00.40-P-0226-09A
		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.

MB Specifications for Operating Fluids Sheet 1.)		rade	Single/multi-grade Multigrade 228			Multigrade 229				
	226									
	.5	.51	.2/.3	.5	.51	.3	.31	.5	.51	.52
Gasoline engines										
M 155 (SLR)	_	_	_	_	_	■ 1.)	_	_	_	-
M 152, 157	_	-	_	_	_	_	_	2 .)	-	_
M 133, 156, 159	_	_	_	_	_	_	_	2 .)	2 .)	2 .)
M 275, 285 (Maybach), AMG engines except M 133, 155 (SLR), 156, 159	-	-	_	-	_	_	_	2 .)	_	_
M 132 USA, 276.8, 278	_	T -	_	_	_	_	_	•	_	_
M 122, 272, 273, 276.9	_	T -	_	_	_	•	_	•	_	_
M 132 except USA, 266, 271 except EVO	_	-	_	-	-	•	•	•	•	•
M 270, 271 EVO, 274	_	_	_	_	_	•	_	•	•	•
Van engines (Citan): M 200.71	•	_	_	_	_	•	_	•	_	_
Diesel engines										
in vehicles without diesel particulate filter (DPF)										
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.)
in vehicles with diesel particulate filter (DPF)										
OM 607 in model 176, 246	_	•	_	_	_	_	•	_	•	•
OM 629, 640, 646, 651	_	-	_	_	•	_	•	_	•	•
OM 642 except OM 642 EU6 in model 164.124/824, 251.124 except OM 642 in model 463.306/336/346 except OM 642 Bin5 in model 164.125/825, 251.125 USA, Canada only except OM 642 EU4 in model 221.122 UK only		_	-	_	•	_	•	-	•	•
OM 642 EU6 in model 164.124/824, 251.124 OM 642 in model 463.306/336/346 OM 642 Bin5 in model 164.125/825, 251.125 USA, Canada only OM 642 in model 221.122 UK only	-	-	-	-	-	-	-	-	_	• 4.)
OM 660 (EU3/EU4 with non-regulated DPF)	_	_	_	0	•	_	•		•	
Van engines (Vito, Viano, Sprinter): OM 642, 646, 651	-	_	_	-	● 3.)	_	● 3.)	_	● 3.)	3 .)

Van engines (Citan): OM 607	-	•	_	_	3.)	-	_	_	_	-

Multigrade	Single/mu	lti-grade	Multigrade			
226	228					
.9	.0/.1	.2/.3	.31	.5	.51	
_	○/ ●	○/ ●	•	•		
_	_	0/●	•	•		
•	_	_	•	_		
_	_	0	•	0		
			•	_		
_	_	_	T -	_	•	
	226	226 228 .9 .0/.1	226 228 .9 .0/.1 .2/.3 -	226 228 .9 .0/.1 .2/.3 .31 -	226 228 .9 .0/.1 .2/.3 .31 .5 - ○/ ● ○/ ● ● ● - - ○/ ● ● ● - - - ● -	

Notes:

As at: 11/2013

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 and is valid for the region of Western Europe if not otherwise specified.

Information on unlisted, older engine models can be found in the vehicle operator's manuals or the maintenance procedures. Vehicle-specific special considerations must also be observed for the use of the engine oils.

Approval

- O 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 biofuels), 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.