

BB00.40-P-0223-02A	Specified engine oils (service) - overview	For Mercedes-Benz and Smart	Sheet 223.2
	viscosity classes	Sheet 224.1 (passenger-car engines) Sheet 224.2 (commercial-vehicle engines)	BB00.40-P-0224-01A BB00.40-P-0224-02A
	Single-grade oils	Sheet 228.0 Sheet 228.2	BB00.40-P-0228-00A BB00.40-P-0228-02A
	Multigrade oils	Sheet 226.9 Sheet 228.1 Sheet 228.3 Sheet 228.31 Sheet 228.5 Sheet 228.51 Sheet 229.1 Sheet 229.3 Sheet 229.31 Sheet 229.5 Sheet 229.51	BB00.40-P-0226-09A BB00.40-P-0228-01A BB00.40-P-0228-03A BB00.40-P-0228-31A BB00.40-P-0228-05A BB00.40-P-0228-51A BB00.40-P-0229-01A BB00.40-P-0229-03A BB00.40-P-0229-31A BB00.40-P-0229-05A BB00.40-P-0229-51A

The temperature ranges in the viscosity classes must be observed for the use of the engine oils (see Sheets 224.1 and 224.2)!

Single-grade oils are listed on sheets: 228.0, 228.2 - only to be used in summer.

Multigrade oils are listed on sheets: 226.9, 228.1/.3/.31/.5/.51, 229.1/.3/.31/.5/.51 - use possible year round.

**Passenger vehicle engines,
Commercial vehicle engines from the passenger car division,
Industrial engines from the PC sector (model series 100, 200, 600)**

MB Specifications for Operating Fluids Sheet ^{1.)}	226.9 Multi-grade	228.0/.1 Single/multi grade	228.2/.3 Single/multi grade	228.31 ^{2.)} Multi-grade	228.5 Multi-grade	228.51 ^{2.)} Multi-grade	229.1 Multi-grade	229.3 Multi-grade	229.31 ^{2.)} Multi-grade	229.5 Multi-grade	229.51 ^{2.)} Multi-grade
Gasoline engines											
M 155 (SLR)	-	-	-	-	-	-	-	● ^{3.)}	-	-	-
M 156	-	-	-	-	-	-	-	-	-	● ^{4.)}	● ^{5.)}
AMG engines except M 155 (SLR) and M 156	-	-	-	-	-	-	-	-	-	● ^{4.)}	-
M 132 (USA), M 285 (Maybach)	-	-	-	-	-	-	-	-	-	●	-
M 122, 113, 272, 273, 275	-	-	-	-	-	-	-	●	-	●	-
M 132 (ROW), 266, 271	-	-	-	-	-	-	-	●	●	●	●
Diesel engines in vehicle without particulate filter (DPF)											
OM 660	-	-	-	-	●	●	-	●	●	●	●
OM 640, 642, 646 in model series 639	-	-	-/●	-	●	●	-	●	●	●	●
OM 646,											
OM 611 in model series 9xx (Sprinter)											
in vehicles with particulate filter (DPF)											
OM 629, 640, 642, 646	-	-	-	-	-	●	-	-	●	-	●
OM 646 in model series 639 and 906											
OM 660 (EU3/EU4 with uncontrolled DPF)	-	-	-	-	○	●	-	-	●	-	●

**Commercial vehicle engines,
Industrial engines from the commercial vehicle sector (model series 300, 400, 500, 900)**

MB Specifications for Operating Fluids Sheet ^{1.)}	226.9 Multi-grade	228.0/.1 Single/multi grade	228.2/.3 Single/multi grade	228.31 ^{2.)} Multi-grade	228.5 Multi-grade	228.51 ^{2.)} Multi-grade	229.1 Multi-grade	229.3 Multi-grade	229.31 ^{2.)} Multi-grade	229.5 Multi-grade	229.51 ^{2.)} Multi-grade
Diesel engines in commercial vehicles, buses without particulate filter											
Model series 300, 400, 500, 900; OM 457, 460 up to and including Euro 3	-	○/●	○/●	●	●	●	-	-	-	-	-
Model series 500, 900; OM 457, 460 Euro 4/5	-	-	○/●	●	●	●	-	-	-	-	-
Gas engines	●	-	-	●	-	●	-	-	-	-	-

in commercial vehicles, buses with particulate filter											
Model series 500, 900; OM 457, 460	-	-	○	●	○	●	-	-	-	-	-

Notes:

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. Vehicle-specific special features must also be observed when using the engine oils.

In general, the binding oil change specification (quality and interval) can be found in the respective vehicle operator's manual or the maintenance procedures and, for passenger cars, the Service information on engine oil change (SI18.00-P-0011A and SI18.00-P-0011B).

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

- 1.) Sheets 227.0/.1 no longer exist! Replaced by engine oils in sheet 228.0/.1/.2/.3/.31/.5/51.
- 2.) Use in combination with low-sulfur (S < 50 ppm) or sulfur-free (S < 10 ppm) fuel! If fuels with sulfur content of S > 500 ppm are being used, the oil change intervals must be reduced!
- 3.) **Restriction:** Only "Mobil 1 5W-50", SAE 5W-50, sheet 229.3 is approved!
- 4.) **Restriction:** Only "Mobil 1 0W-40", SAE 0W-40, sheet 229.5 is approved!
- 5.) **Restriction:** Only SAE 0W-40 and SAE 5W-40 engine oils may be used!