

Your Mercedes-Benz vehicle requires specific fluids to avoid engine failure and to maintain its optimum performance.

Approved Engine Oils

Engine oil must satisfy many different industry standards and manufacturer requirements. The most common oil ratings are:

- API - American Petroleum Institute
- ILSAC - International Lubrication Standardization and Approval Committee
- ACEA - Association des Constructeurs Européens d'Automobiles

Mercedes-Benz has very specific engine lubrication requirements and only oils that have a MB approval number and the approved viscosity ranges are to be used when servicing your engine. The MB approval number is marked on the oil container similar to Figure 1. Verify the correct MB approval number on the individual oil container or accordingly for oil available in bulk quantities.



Figure 1. Sample Text on an Approved Engine Oil Label for SAE 5W-40

Use the table below to determine the MB approval number. The model and engine type can be found in the “Technical Data” chapter of your Operator’s Manual in the table under “Engine oil.” The engine number is also stamped on the back of the crankcase.

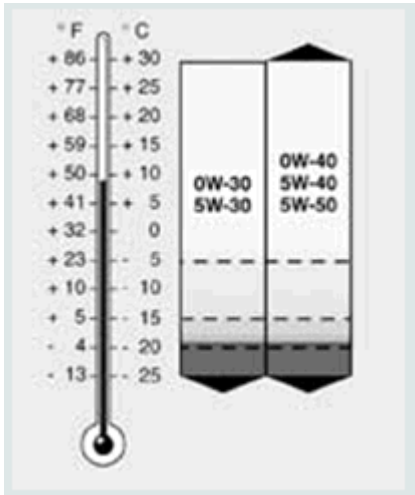
Engine Type	MB Approval Number	Approved Oil Viscosity Range
112	229.5	0W-30, 0W-40, 5W-30, 5W-40
113	229.5	0W-30, 0W-40, 5W-30, 5W-40
132	229.5	0W-30, 0W-40, 5W-30, 5W-40
133	229.5, 229.51	0W-40, 5W-40
152	229.5	0W-40, 5W-40
155 SLR	229.3	5W-50
156	229.5, 229.51 or 229.52	0W-40, 5W-40, 0W-30
157	229.5	0W40, 5W-40
159	229.5, 229.51 or 229.52	0W-40, 5W-40, 0W-30
266	229.5 or 229.51	0W-40, 5W-40
270	229.5, 229.51	5W-30, 5W-40
271	229.3, 229.5, 229.51 or 229.52	0W-40, 5W-30, 5W-40, 5W-50, 0W-30
272	229.3 or 229.5	0W-40, 5W-30, 5W-40
273	229.3 or 229.5	0W-40, 5W-30, 5W-40
274	229.5, 229.51	5W-30, 5W-40
275	229.5	0W-40, 5W-40
276	229.3, 229.5	0W-40, 5W-30, 5W-40
278	229.5	0W-40, 5W-30, 5W-40
279	229.5	5W-30, 5W-40
285	229.5	0W-40, 5W-40
Diesel Engines*		
642	229.51 or 229.52	0W-30, 0W-40, 5W-30, 5W-40
642**	229.52	0W-30, 5W-30
648	229.5	5W-30, 5W-40
651	229.51 or 229.52	0W-30, 5W-40
660	229.5, 229.51	0W-40, 5W-30

*Diesel engines (642) absolutely require low SPash oils. Use oils with optimal viscosity protection and MB approval number – 229.51, 229.52.

** Diesel engines (642) Bin 5 Model 164.125/ .825; Model 251.125 only use 229.52 or “Mercedes-Benz Motorenöl MB 229.51 BlueTec.”

Engine Oil Viscosity Range Chart

The oils and viscosity grades with MB approval numbers are for the North American market. Use the newest oils with optimal viscosity protection and with the latest MB approval numbers, such as MB approval 229.5 or 229.51 (except SLR 155 engine). Select oil viscosity grades according to the lowest and highest air temperature expected before your next oil change.



Current diesel engines absolutely require low SPAsh oils. Use the newest oils with optimal viscosity protection and with the latest MB approval number – 229.51.

Diesel engines (642) Bin 5 Model 164.125/ .825; Model 251.125 only use 229.52 or “Mercedes-Benz Motorenöl MB 229.51 BlueTec.”