

**SBS-ANL-SBS1996-110796138\_A3 SBS-ANL-SBS1996-110796138\_A3 - 3.0 Technically suitable engine oils for BMW Group engines - V.35, VIN: 9U06248**

ISTA system status	4.43.40.26191	Data status	R4.43.40	Programming data	-
VIN	9U06248	Vehicle	X'/G05/off-road vehicle/X5 xDrive40i/B58,-/X/US/left-hand drive/ - / -		
I-Level	-	I level (current)	-	I level (target)	-
Total distance	-				

Enclosure 3 to SI 11 07 96 (138), issue 07/2023

**3.0 Technically suitable engine oils for BMW Group engines**

Color-coded engine oils are recommended for the respective engine and are mandatory for the US market in accordance with legal specifications.

**3.1 Technically suitable engine oils for gasoline engines:**

*Note:*

Viscosity classes with a high viscosity grade can increase gas mileage.

Engine	Engine Development code	BMW Longlife-01	BMW Longlife-01 FE	BMW Longlife-04	BMW Longlife-12 FE	BMW Longlife-14 FE+ <a href="#">Please refer to Enclosure 8</a>	BMW Longlife-17 FE+ <a href="#">Please refer to Enclosure 9</a>	BMW Longlife-19 FE <a href="#">Please refer to Enclosure 10</a>	BMW Longlife-22 FE++ <a href="#">Please refer to Enclosure 11</a>	SAE 10W-60 <a href="#">Please refer to Enclosure 12.</a>
<b>2 Cylinder :</b>										
W20		X	X	X <sup>(1)</sup>				X <sup>(1)</sup>		
<b>3 Cylinder :</b>										
B32		X	X							
B36		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B38K15T0 without gasoline particulate filter <sup>(4)</sup>	B38T	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B38A12U0 without gasoline particulate filter <sup>(4)</sup>	B38U	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B38A15U0 without gasoline particulate filter <sup>(4)</sup>										
B38B15M0 without gasoline particulate filter <sup>(4)</sup>	B38M	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		

B38A 15M0 without gasoline particulate filter <sup>(4)</sup>										
B38K 15T0 without gasoline particulate filter <sup>(4)</sup>	XB2H	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B38A 15M0 without gasoline particulate filter <sup>(4)</sup>										
B38A 15M0 without gasoline particulate filter <sup>(4)</sup>										
B38A 15M0 without gasoline particulate filter <sup>(4)</sup>	XB2	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B38A 15U1 without gasoline particulate filter <sup>(4)</sup>	B38B	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B38A 15M1 without gasoline particulate filter <sup>(4)</sup>	B38C	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B38B 15M1 without gasoline particulate filter <sup>(4)</sup>										
B38K 15T0 with gasoline particulate filter <sup>(4)</sup>	B38T			X	X		X	X		
B38A 12U0 with gasoline particulate filter <sup>(4)</sup>	B38U			X	X		X	X		
B38A 15U0 with gasoline particulate filter <sup>(4)</sup>										

B38B15M0 with gasoline particulate filter <sup>(4)</sup>	B38M			X	X		X	X		
B38A15M0 with gasoline particulate filter <sup>(4)</sup>										
B38K15T0 with gasoline particulate filter <sup>(4)</sup>	XB2H			X	X		X	X		
B38A15M0 with gasoline particulate filter <sup>(4)</sup>										
B38A15M0 with gasoline particulate filter <sup>(4)</sup>										
B38A15M0 with gasoline particulate filter <sup>(4)</sup>	XB2			X	X		X	X		
B38A15U1 with gasoline particulate filter <sup>(4)</sup>	B38B			X	X		X	X		
B38A15M1 with gasoline particulate filter <sup>(4)</sup>	B38C			X	X		X	X		
B38B15M1 with gasoline particulate filter <sup>(4)</sup>										
B38A15U2 without gasoline particulate filter <sup>(4)</sup>	B38L		X		X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B38A15M2 without gasoline particulate filter <sup>(4)</sup>	B38N		X		X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		

B38A15M2 without gasoline particulate filter <sup>(4)</sup>	XB2H		X		X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B38A15U2 with gasoline particulate filter <sup>(4)</sup>	B38L				X		X	X		
B38A15M2 with gasoline particulate filter <sup>(4)</sup>	B38N				X		X	X		
B38A15M2 with gasoline particulate filter <sup>(4)</sup>	XB2H (U06/U11 only)				X		X	X		
<b>4-cylinder:</b>										
B42		X	X							
B46		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B48, with the SA1AE flexible fuel		X	X							
B48A20M0 without gasoline particulate filter <sup>(4)</sup>	B48M	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B48B16M0 without gasoline particulate filter <sup>(4)</sup>										
B48B20M0 without gasoline particulate filter <sup>(4)</sup>										
B48A20O0 without gasoline particulate filter <sup>(4)</sup>	B48O	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B48B20O0 without gasoline particulate filter <sup>(4)</sup>										

B48B20M0 without gasoline particulate filter <sup>(4)</sup>	XB1H	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B48B20O0 without gasoline particulate filter <sup>(4)</sup>										
B48A20M1 without gasoline particulate filter <sup>(4)</sup>	B48C	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B48B20M1 without gasoline particulate filter <sup>(4)</sup>										
B48B20M1 without gasoline particulate filter <sup>(4)</sup>	XB1G	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B48B20O1 without gasoline particulate filter <sup>(4)</sup>										
B48A20O1 without gasoline particulate filter <sup>(4)</sup>	B48D	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B48B20O1 without gasoline particulate filter <sup>(4)</sup>										
B48A20T1 without gasoline particulate filter <sup>(4)</sup>	B48E	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B48A20M0 with gasoline particulate filter <sup>(4)</sup>	B48M			X	X		X	X		
B48B16M0 with gasoline particulate filter <sup>(4)</sup>										

B48B20M0 with gasoline particulate filter <sup>(4)</sup>										
B48A20O0 with gasoline particulate filter <sup>(4)</sup>	B48O			X	X		X	X		
B48B20O0 with gasoline particulate filter <sup>(4)</sup>										
B48B20M0 with gasoline particulate filter <sup>(4)</sup>	XB1H			X	X		X	X		
B48B20O0 with gasoline particulate filter <sup>(4)</sup>										
B48A20M1 with gasoline particulate filter <sup>(4)</sup>	B48C			X	X		X			
B48B20M1 with gasoline particulate filter <sup>(4)</sup>										
B48A20O1 with gasoline particulate filter <sup>(4)</sup>	B48D			X	X		X	X		
B48B20O1 with gasoline particulate filter <sup>(4)</sup>										
B48A20T1 with gasoline particulate filter <sup>(4)</sup>	B48E			X	X		X	X		
B48B20O1 with gasoline particulate filter <sup>(4)</sup>	XB1G			X	X		X	X		

B48B20M1 with gasoline particulate filter <sup>(4)</sup>										
B48A20M2 without gasoline particulate filter <sup>(4)</sup>	B48N		X		X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B48A20O2 without gasoline particulate filter <sup>(4)</sup>	B48P		X		X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B48A20T2 without gasoline particulate filter <sup>(4)</sup>	B48R		X		X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B48A20M2 with gasoline particulate filter <sup>(4)</sup>	B48N				X		X	X		
B48A20O2 with gasoline particulate filter <sup>(4)</sup>	B48P				X		X	X		
B48A20T2 with gasoline particulate filter <sup>(4)</sup>	B48R				X		X	X		
B48B16M2 without gasoline particulate filter <sup>(4)</sup>	B48N		X		X <sup>(1)</sup>		X		X	
B48B20M2 without gasoline particulate filter <sup>(4)</sup>										
B48B20M2 without gasoline particulate filter <sup>(4)</sup>	XB1A		X		X <sup>(1)</sup>		X		X	
B48B20O2 without gasoline particulate filter <sup>(4)</sup>	B48P		X		X <sup>(1)</sup>		X		X	

B48B16M2 with gasoline particulate filter <sup>(4)</sup>	B48N				X		X		X	
B48B20M2 with gasoline particulate filter <sup>(4)</sup>										
B48B20M2 with gasoline particulate filter <sup>(4)</sup>	XB1A				X		X		X	
B48B20O2 with gasoline particulate filter <sup>(4)</sup>	B48P				X		X		X	
N12		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N13		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N14		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N16		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N18		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N20		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
N20, with the SA1AE flexible fuel		X	X							
N26		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
N40		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N42		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N43		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N45		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N46		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
M43TU		X		X <sup>(1)</sup>				X <sup>(1)</sup>		
M43/CNG				X <sup>(1)</sup>				X <sup>(1)</sup>		
W10		X		X <sup>(1)</sup>				X <sup>(1)</sup>		
W11		X		X <sup>(1)</sup>				X <sup>(1)</sup>		
<b>6-cylinder:</b>										



B58B30M0 without gasoline particulate filter <sup>(4)</sup>	B58M	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B58B30M0 without gasoline particulate filter <sup>(4)</sup>	XB1H	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B58B30M1 without gasoline particulate filter <sup>(4)</sup>	B58C	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B58B30O1 without gasoline particulate filter <sup>(4)</sup>	B58D	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B58B30M1 without gasoline particulate filter <sup>(4)</sup>	XB1	X	X	X <sup>(1)</sup>	X <sup>(1)</sup>	X <sup>(5)</sup>	X	X <sup>(1)</sup>		
B58B30M0 with gasoline particulate filter <sup>(4)</sup>	B58M			X	X		X	X		
B58B30M0 with gasoline particulate filter <sup>(4)</sup>	XB1H			X	X		X	X		
B58B30M1 with gasoline particulate filter <sup>(4)</sup>	B58C			X	X		X	X		
B58B30O1 with gasoline particulate filter <sup>(4)</sup>	B58D			X	X		X	X		
B58B30M1 with gasoline particulate filter <sup>(4)</sup>	XB1			X	X		X	X		
B58B30U2 without gasoline particulate filter <sup>(4)</sup>	B58L		X		X <sup>(1)</sup>		X		X	

B58B30M2 without gasoline particulate filter <sup>(4)</sup>	B58N		X		X <sup>(1)</sup>		X		X	
B58B30U2 without gasoline particulate filter <sup>(4)</sup>	XB1N		X		X <sup>(1)</sup>		X		X	
B58B30M2 without gasoline particulate filter <sup>(4)</sup>										
B58B30U2 with gasoline particulate filter <sup>(4)</sup>	B58L				X		X		X	
B58B30M2 with gasoline particulate filter <sup>(4)</sup>	B58N				X		X		X	
B58B30U2 with gasoline particulate filter <sup>(4)</sup>	XB1N				X		X		X	
B58B30M2 with gasoline particulate filter <sup>(4)</sup>										
N51		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N52		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N53		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N54		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N55		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N56		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
M52		X		X <sup>(1)</sup>				X <sup>(1)</sup>		
M54		X		X <sup>(1)</sup>				X <sup>(1)</sup>		
M56		X		X <sup>(1)</sup>				X <sup>(1)</sup>		
S54										X

S55 without gasoline particulate filter <sup>(4)</sup>		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
S55 with gasoline particulate filter <sup>(4)</sup>				X	X			X		
S58 without gasoline particulate filter <sup>(4)</sup>		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
S58 with gasoline particulate filter <sup>(4)</sup>				X	X			X		
<b>8-cylinder:</b>										
N62		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N63 without gasoline particulate filter <sup>(4)</sup>		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N63 with gasoline particulate filter <sup>(4)</sup>				X	X			X		
M62LEV		X		X <sup>(1)</sup>				X <sup>(1)</sup>		
S62										X
S63 without gasoline particulate filter <sup>(4)</sup>		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
S63 with gasoline particulate filter <sup>(4)</sup>				X	X			X		
S65										X
S68 without gasoline particulate filter			X		X <sup>(1)</sup>			X <sup>(1)</sup>		
S68 with gasoline particulate filter <sup>(4)</sup>					X			X		

10-cylinder:										
S85										X
12-cylinder:										
N73		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N74 without gasoline particulate filter <sup>(4)</sup>		X	X	X <sup>(1)</sup>	X <sup>(1)</sup>			X <sup>(1)</sup>		
N74 with gasoline particulate filter <sup>(4)</sup>				X	X			X		
M73		X		X <sup>(1)</sup>				X <sup>(1)</sup>		
Other engines:										
Other AG engines <sup>(2)</sup>		X		X <sup>(1)</sup>				X <sup>(1)</sup>		
Other M engines <sup>(3)</sup>										X

1) BMW Longlife-04, BMW Longlife-12 FE and BMW Longlife-19 FE oils are only permitted for gasoline engines in Europe (EU plus Switzerland, Norway and Liechtenstein). They are not allowed to be used outside this area.

2) "Other" includes all AG engines / models that are not listed in the above table, such as M10, M20, M30, M40, M42, M43, M44, M50, M52, M60, M62, M70, M73, etc.

3) "Other" includes all Motorsport engines / models that are not listed in the above table, such as S14, S38, S50, S50U, S52, S70, etc.

4) Vehicles with a gasoline engine and gasoline particulate filter can be identified on the vacuum hose, which is installed on the gasoline particulate filter, as well as on the optional equipment SA1DEA RDE exhaust emissions standard.

5) For gasoline engines, BMW Longlife-14 FE+ oils are only permitted in Europe (EU plus Switzerland, Norway and Liechtenstein), USA and Canada. They are not allowed to be used outside this area.

### 3.2 Technically suitable engine oils for diesel engines:

Engine	Engine Development code	BMW Longlife-01	BMW Longlife-04	BMW Longlife-12 FE	BMW Longlife-17 FE+ Please refer to Enclosure 9	BMW Longlife-19 FE Please refer to Enclosure 10	SAE 10W-60 Please refer to Enclosure 12.
<b>3 Cylinder :</b>							
B37C15K0	B37K		X	X		X	
B37D15K0			X	X		X	
B37C15U0	B37U		X	X		X	
B37D15U0			X	X		X	
B37C15K1	B37A		X	X		X	

B37C15U1	B37B		X	X		X	
<b>4-cylinder:</b>							
B47C20U0	B47U		X	X		X	
B47C20O0	B47O		X	X		X	
B47C20T0	B47T		X			X	
B47D20K0	B47K		X	X		X	
B47D20U0	B47U		X	X		X	
B47D20O0	B47O		X	X		X	
B47D20T0	B47T		X			X	
B47C20U1	B47B		X	X		X	
B47C20O1	B47D		X	X		X	
B47C20T1	B47E		X			X	
B47D20U1	B47B		X	X		X	
B47D20O1	B47D		X	X		X	
B47D20T1	B47F		X			X	
B47C20U2	B47L			X	X		
B47C20O2	B47P			X	X		
N47 uL; N47 oL			X			X	
N47 S <sup>(5)</sup>							X
N47 S <sup>(5)</sup> (from 9/08)			X			X	
N47C16K1			X	X <sup>(6)</sup>		X	
N47C16U1			X	X <sup>(6)</sup>		X	
N47C20K1			X	X <sup>(6)</sup>		X	
N47C20U1			X	X <sup>(6)</sup>		X	
N47D16K1			X	X <sup>(6)</sup>		X	
N47D16U1			X	X <sup>(6)</sup>		X	
N47D20K1			X	X <sup>(6)</sup>		X	
N47D20U1			X	X <sup>(6)</sup>		X	
N47D20O1			X	X <sup>(6)</sup>		X	

N47D2001 US			X	X <sup>(6)</sup>		X	
N47D20T1			X			X	
M41		X	X			X	
M47, M47TU <sup>(5)</sup>		X	X			X	
M47TU <sup>(5)</sup> (from 03/03)		X	X			X	
M47TU2 <sup>(1)</sup> , (5)		X <sup>(3)</sup>	X			X	
W16D16			X			X	
W17D14		X	X			X	
<b>6-cylinder:</b>							
B57D30O0	B57O		X	X		X	
B57D30T0	B57T		X			X	
B57D30S0	B57S		X			X	
B57D30O2	B57P		X	X		X	
B57D30T2	B57R		X			X	
B57D30O3	B57X			X		X	
B57D30T3	B57Y			X		X	
N57			X			X	
N57N			X			X	
N57X			X			X	
N57D30O1			X			X	
N57D30O1 US			X	X <sup>(6)</sup>		X	
N57D30T1			X			X	
N57D30S1			X			X	
M21		X	X			X	
M51		X	X			X	
M57		X	X			X	
M57TU <sup>(5)</sup> (from 09/02)		X	X			X	

M57TU <sup>(5)</sup> (E60, E61 from 03/04)		X <sup>(2)</sup>	X			X	
M57Top <sup>(5)</sup> (from 09/04)			X			X	
M57TU2 <sup>(5)</sup> (from 03/05)		X <sup>(4)</sup>	X			X	
M57TU2Top <sup>(5)</sup> (from 09/06)			X			X	
<b>8-cylinder:</b>							
M67 (E38)		X	X			X	
M67 (E65)		X	X			X	
M67TU (from 03/05)		X <sup>(4)</sup>	X			X	

- 1) In countries where the ambient temperature frequently falls below -20 °C, we recommend the use of 0W instead of 5W products.
- 2) To increase the service life of the diesel particulate filter, the use of Longlife 04 oils is recommended as soon as they become available.
- 3) Can be used for vehicles without diesel particulate filter.
- 4) Recommended for vehicles without diesel particulate filter and non-EU countries.
- 5) TU2 = T2 / TOP = S
- 6) Valid as from model year 2014