

## Enclosure 3 to SI 11 07 96 (138), edition 02/2019

Colour-coded engine oils are recommended for the respective engine.

### 3.1 Technically suitable engine oils for petrol engines:

*Note:*

Viscosity classes with a high viscosity can increase fuel consumption.

| Engine   | BMW Longlife-01<br><a href="#">Please refer to Enclosure 4.</a> | BMW Longlife-01 FE<br><a href="#">Please refer to Enclosure 5.</a> | BMW Longlife-04<br><a href="#">Please refer to Enclosure 6.</a> | BMW Longlife-12 FE<br><a href="#">Please refer to Enclosure 7.</a> | BMW Longlife-14 FE+<br><a href="#">Please refer to Enclosure 8.</a> | BMW Longlife-17 FE+<br><a href="#">Please refer to Enclosure 9.</a> | SAE 10W-60<br><a href="#">Please refer to Enclosure 10.</a> |
|--|---|--|---|--|---|---|---|
| <b>2 Cylinder :</b>                                  |   |  |   |  |   |   |   |
| W20  | X   | X  | X (1)   |  |   |   |   |
| <b>3 Cylinder :</b>                                  |   |  |   |  |   |   |   |
| B32  | X   | X  |   |  |   |   |   |
| B36  | X   | X  | X (1)   | X (1)  | X (5)   | X   |   |
| B38 without petrol particulate filter <sup>(4)</sup> | X   | X  | X (1)   | X (1)  | X (5)   | X   |   |
| B38 with petrol particulate filter <sup>(4)</sup>    |   |  | X   | X  |   | X   |   |
| <b>4-cylinder:</b>                                   |   |  |   |  |   |   |   |
| B42  | X   | X  |   |  |   |   |   |
| B46  | X   | X  | X (1)   | X (1)  | X (5)   | X   |   |
| B48, with the SA1AE Flexible Fuel                    | X   | X  |   |  |   |   |   |
|  |   |  |   |  |   |   |   |

|  |   |   |       |       |       |   |  |
|--|---|---|-------|-------|-------|---|--|
| B48 without petrol particulate filter <sup>(4)</sup> | X | X | X (1) | X (1) | X (5) | X |  |
| B48 with petrol particulate filter <sup>(4)</sup>    |   |   | X     | X     |       | X |  |
| N12  | X | X | X (1) | X (1) |       |   |  |
| N13  | X | X | X (1) | X (1) |       |   |  |
| N14  | X | X | X (1) | X (1) |       |   |  |
| N16  | X | X | X (1) | X (1) |       |   |  |
| N18  | X | X | X (1) | X (1) |       |   |  |
| N20  | X | X | X (1) | X (1) | X (5) | X |  |
| N20, with the SA1AE Flexible Fuel                    | X | X |       |       |       |   |  |
| N26  | X | X | X (1) | X (1) | X (5) | X |  |
| N40  | X | X | X (1) | X (1) |       |   |  |
| N42  | X | X | X (1) | X (1) |       |   |  |
| N43  | X | X | X (1) | X (1) |       |   |  |
| N45  | X | X | X (1) | X (1) |       |   |  |
| N46  | X | X | X (1) | X (1) |       |   |  |
| M43TU  | X |   | X (1) |       |       |   |  |
| M43/CNG  |   |   | X (1) |       |       |   |  |
| W10  | X |   | X (1) |       |       |   |  |
| W11  | X |   | X (1) |       |       |   |  |
| <b>6-cylinder:</b>                                   |   |   |       |       |       |   |  |
| B58 without petrol particulate filter <sup>(4)</sup> | X | X | X (1) | X (1) | X (5) | X |  |
| B58 with petrol particulate                          |   |   | X     | X     |       | X |  |

|  |   |   |       |       |  |  |   |
|--|---|---|-------|-------|--|--|---|
| filter <sup>(4)</sup>                                |   |   |       |       |  |  |   |
| N51  | X | X | X (1) | X (1) |  |  |   |
| N52  | X | X | X (1) | X (1) |  |  |   |
| N53  | X | X | X (1) | X (1) |  |  |   |
| N54  | X | X | X (1) | X (1) |  |  |   |
| N55  | X | X | X (1) | X (1) |  |  |   |
| N56  | X | X | X (1) | X (1) |  |  |   |
| M52  | X |   | X (1) |       |  |  |   |
| M54  | X |   | X (1) |       |  |  |   |
| M56  | X |   | X (1) |       |  |  |   |
| S54  |   |   |       |       |  |  | X |
| S55 without petrol particulate filter <sup>(4)</sup> | X | X | X (1) | X (1) |  |  |   |
| S55 with petrol particulate filter <sup>(4)</sup>    |   |   | X     | X     |  |  |   |
| S58 without petrol particulate filter <sup>(4)</sup> | X | X | X (1) | X (1) |  |  |   |
| S58 with petrol particulate filter <sup>(4)</sup>    |   |   | X     | X     |  |  |   |
| <b>8-cylinder:</b>                                   |   |   |       |       |  |  |   |
| N62  | X | X | X (1) | X (1) |  |  |   |
| N63 without petrol particulate filter <sup>(4)</sup> | X | X | X (1) | X (1) |  |  |   |
| N63 with petrol particulate filter <sup>(4)</sup>    |   |   | X     | X     |  |  |   |

|  |   |   |       |       |  |  |   |
|--|---|---|-------|-------|--|--|---|
| M62LEV   | X |   | X (1) |       |  |  |   |
| S62  |   |   |       |       |  |  | X |
| S63 without petrol particulate filter <sup>(4)</sup> | X | X | X (1) | X (1) |  |  |   |
| S63 with petrol particulate filter <sup>(4)</sup>    |   |   | X     | X     |  |  |   |
| S65  |   |   |       |       |  |  | X |
| <b>10-cylinder:</b>                                  |   |   |       |       |  |  |   |
| S85  |   |   |       |       |  |  | X |
| <b>12-cylinder:</b>                                  |   |   |       |       |  |  |   |
| N73  | X | X | X (1) | X (1) |  |  |   |
| N74 without petrol particulate filter <sup>(4)</sup> | X | X | X (1) | X (1) |  |  |   |
| N74 with petrol particulate filter <sup>(4)</sup>    |   |   | X     | X     |  |  |   |
| M73  | X |   | X (1) |       |  |  |   |
| <b>Other engines:</b>                                |   |   |       |       |  |  |   |
| Other AG engines <sup>(2)</sup>                      | X |   | X (1) |       |  |  |   |
| Other M engines <sup>(3)</sup>                       | X |   | X (1) |       |  |  | X |

1) For petrol engines, only BMW Longlife-04 and BMW Longlife-12 FE oils are permitted in Europe (EU plus Switzerland, Norway and Liechtenstein). They must not be used outside this area.

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

3) "Others" includes all Motorsport engines/models which are not listed in the above table, for example S14, S38, S50, S50U, S52, S70, etc.

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

standard.

5) BMW Longlife-14 FE+ oils are only approved for petrol engines in Europe (EU plus Switzerland, Norway and Liechtenstein), USA and Canada. They must not be used outside this area.

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

| Engine               | BMW Longlife-01<br><a href="#">Please refer to Enclosure 4.</a> | BMW Longlife-04<br><a href="#">Please refer to Enclosure 6.</a> | BMW Longlife-12<br>FE<br><a href="#">Please refer to Enclosure 7.</a> | SAE 10W-60<br><a href="#">Please refer to Enclosure 10.</a> |
|----------------------|---|---|---|---|
| <b>3 Cylinder :</b>  |   |   |   |   |
| B37C15K0             |   | X   | X   |   |
| B37C15U0             |   | X   | X   |   |
| B37D15K0             |   | X   | X   |   |
| B37D15U0             |   | X   | X   |   |
| B37C15K1             |   | X   | X   |   |
| B37C15U1             |   | X   | X   |   |
| <b>4-cylinder:</b>   |   |   |   |   |
| B47C20U0             |   | X   | X   |   |
| B47C20O0             |   | X   | X   |   |
| B47C20T0             |   | X   |   |   |
| B47D20K0             |   | X   | X   |   |
| B47D20U0             |   | X   | X   |   |
| B47D20O0             |   | X   | X   |   |
| B47D20T0             |   | X   |   |   |
| B47C20T1             |   | X   |   |   |
| B47C20U1             |   | X   | X   |   |
| B47C20O1             |   | X   | X   |   |
| B47D20U1             |   | X   | X   |   |
| B47D20O1             |   | X   | X   |   |
| B47D20T1             |   | X   |   |   |
| N47 uL; N47 oL       |   | X   |   |   |
| N47 S <sup>(5)</sup> |   |   |   | X   |
|                      |   |   |   |   |

|                                      |       |   |       |  |
|--------------------------------------|-------|---|-------|--|
| N47 S <sup>(5)</sup><br>(from 9/08)  |       | X |       |  |
| N47C16K1                             |       | X | X (6) |  |
| N47C16U1                             |       | X | X (6) |  |
| N47C20K1                             |       | X | X (6) |  |
| N47C20U1                             |       | X | X (6) |  |
| N47D16U1                             |       | X | X (6) |  |
| N47D16K1                             |       | X | X (6) |  |
| N47D20K1                             |       | X | X (6) |  |
| N47D20U1                             |       | X | X (6) |  |
| N47D20O1                             |       | X | X (6) |  |
| N47D20O1 US                          |       | X | X (6) |  |
| N47D20T1                             |       | X |       |  |
| M41                                  | X     | X |       |  |
| M47, M47TU <sup>(5)</sup>            | X     | X |       |  |
| M47TU <sup>(5)</sup><br>(from 03/03) | X     | X |       |  |
| M47TU2 <sup>(1), (5)</sup>           | X (3) | X |       |  |
| W16D16                               |       | X |       |  |
| W17D14                               | X     | X |       |  |
| <b>6-cylinder:</b>                   |       |   |       |  |
| B57D30O0                             |       | X | X     |  |
| B57D30T0                             |       | X |       |  |
| B57D30S0                             |       | X |       |  |
| N57                                  |       | X |       |  |
| N57N                                 |       | X |       |  |
| N57X                                 |       | X |       |  |
| N57D30O1                             |       | X |       |  |
| N57D30O1 US                          |       | X | X (6) |  |

|   |                  |   |  |  |
|---|------------------|---|--|--|
| N57D30T1                                      |                  | X |  |  |
| N57D30S1                                      |                  | X |  |  |
| M21   | X                | X |  |  |
| M51   | X                | X |  |  |
| M57   | X                | X |  |  |
| M57TU <sup>(5)</sup><br>(from 09/02)          | X                | X |  |  |
| M57TU <sup>(5)</sup> (E60, E61<br>from 03/04) | X <sup>(2)</sup> | X |  |  |
| M57Top <sup>(5)</sup> (from<br>09/04)         |                  | X |  |  |
| M57TU2 <sup>(5)</sup> (from<br>03/05)         | X <sup>(4)</sup> | X |  |  |
| M57TU2Top <sup>(5)</sup> (from<br>09/06)      |                  | X |  |  |
| <b>8-cylinder:</b>                            |                  |   |  |  |
| M67 (E38)                                     | X                | X |  |  |
| M67 (E65)                                     | X                | X |  |  |
| M67TU<br>(from 03/05)                         | X <sup>(4)</sup> | 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 particle filter, Longlife-04 oils are recommended as soon as they are available.

3) Can be used on vehicles without DPF.

4) Recommended for vehicles without DPF and for non-EU countries.

5)  $TU2 = T2 / TOP = S$

6) Valid as from model year 2014

For informational purposes only. The information on this website is provided AS-IS with no warranties, express or implied, and is not guaranteed to be error-free, up-to-date or complete. NewTIS and BMW assume no liability for any loss or damage arising from the use or reliance on the information and content on this website. The content on this website is subject to change without notice.