

## 3.1 Specified engine oils for spark-ignition engines:

| Engine                   | Longlife<br>-04<br>Please refer to Enclosure 4. | Longlife<br>-01<br>Please refer to Enclosure 5. | Longlife<br>-01 FE<br>Please refer to Enclosure 6. | Longlife<br>-98<br>Please refer to Enclosure 7. | Special oil<br>Please refer to Enclosure 8. | SAE 10W-60<br>Please refer to Enclosure 9. | ACEA specifications<br>Please refer to Enclosure 11 |
|--------------------------|---|---|--|---|---|--|---|
| <b>4-cylinder:</b>       |   |   |  |   |   |  |   |
| M43TU                    | X <sup>(2)</sup>                                | X   |  | X   |   |  |   |
| M43/CNG <sup>(1)</sup>   | X <sup>(2)</sup>                                |   |  |   |   |  |   |
| N40                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N42                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N43                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N45                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N45N                     | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N46                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N46T                     | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N12                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N14                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| W10                      | X <sup>(2)</sup>                                | X   |  | X   |   |  |   |
| W11                      | X <sup>(2)</sup>                                | X   |  |   |   |  |   |
| <b>6-cylinder:</b>       |   |   |  |   |   |  |   |
| N51                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N52                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N52K                     | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N52N                     | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N53                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N54                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| M52TU                    | X <sup>(2)</sup>                                | X   |  | X   |   |  |   |
| M54                      | X <sup>(2)</sup>                                | X   |  |   |   |  |   |
| S54                      |   |   |  |   |   | X  |   |
| <b>8-cylinder:</b>       |   |   |  |   |   |  |   |
| N62                      | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N62S                     | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| N62TU                    | X <sup>(2)</sup>                                | X   | X  |   |   |  |   |
| M62 LEV                  | X <sup>(2)</sup>                                | X   |  | X   |   |  |   |
| S62 (E39)<br>up to 02/00 |   |   |  |   |   | X  |   |
| S62 (E39)<br>from 03/00  |   | X   |  | X   |   |  |   |
| S62 (E52)                |   | X   |  | X   |   |  |   |

|                          |                  |   |   |   |   |   |  |
|--------------------------|------------------|---|---|---|---|---|--|
| S65                      |                  |   |   |   |   | X |  |
| <b>10-cylinder:</b>      |                  |   |   |   |   |   |  |
| S85                      | X <sup>(3)</sup> |   |   |   |   | X |  |
| <b>12-cylinder:</b>      |                  |   |   |   |   |   |  |
| M73 (E31)<br>from 9/1997 | X <sup>(2)</sup> | X |   | X | X |   |  |
| M73 (E38)<br>9/97-8/98   | X <sup>(2)</sup> | X |   | X | X |   |  |
| M73LEV                   | X <sup>(2)</sup> | X |   | X |   |   |  |
| N73                      | X <sup>(2)</sup> | X | X |   |   |   |  |
|                          |                  |   |   |   |   |   |  |
| Others <sup>4)</sup>     | X                | X |   | X | X |   |  |

1) Engine oil M610 may also be used so long as it is available. Please refer to Enclosure 10.

2) Longlife-04 oils are only approved for spark-ignition engines in Europe (EU plus Switzerland, Norway and Liechtenstein). They must not be used outside this area as problems are often encountered with fuel quality.

3) Only use 5W-30 running-in oil (part number 83 21 0 398 507/508) for the first 2000 km. After this, change to 10W60.

4) "Others" includes all BMW 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, S14, S38, S50, S50U, S52, S70, etc.

### 3.2 Specified engine oils for diesel engines:

| Engine                | Longlife<br>-04<br>Please refer<br>to<br>Enclosure 4. | Longlife<br>-01<br>Please refer<br>to<br>Enclosure 5. | Longlife<br>-98<br>Please refer<br>to<br>Enclosure 7. | Special oil<br>Please refer<br>to<br>Enclosure 8. | SAE 10W-<br>60<br>Please<br>refer to<br>Enclosure<br>9. | High<br>performance<br>diesel<br>Please refer<br>to Enclosure<br>10. | ACEA<br>specification<br>Please refer to<br>Enclosure 11 |
|-----------------------|---|---|---|---|---|--|--|
| <b>4-cylinder:</b>    |   |   |   |   |   |  |  |
| M41                   | X   | X   | X   | X   |   |  |  |
| M47, M47TU            | X   | X   | X   | X   |   |  | X  |
| M47TU (from<br>03/03) | X   | X   |   |   |   |  |  |
| M47/TU2 <sup>1)</sup> | X   | X <sup>(3)</sup>                                      |   |   |   |  |  |
| N47uL,<br>N47oL       | X   |   |   |   |   |  |  |
| N47S                  |   |   |   |   | X   | X  |  |
| W16D16                | X   |   |   |   |   |  |  |
| W17D14                | X   | X   | X   |   |   |  | X  |
| <b>6-cylinder:</b>    |   |   |   |   |   |  |  |
| M21                   | X   | X   | X   | X   |   |  | X  |
| M51                   | X   | X   | X   | X   |   |  | X  |
| M57                   | X   | X   | X   | X   |   |  | X  |
| M57TU (from<br>09/02) | X   | X   |   |   |   |  |  |

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

1) In countries where the outside 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, 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.

BMW recommends Castrol.

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