

**SPECIFIC LL-04 0W-30**

**BMW Gasoline and Diesel engine oil**  
**Approved BMW Long Life-04**  
**100% Synthetic**

**TYPE OF USE**

Specifically designed for BMW and MINI cars fitted with Euro 4, 5 and 6 engines (M43CNG, M47/TU2, M57TU, M57TOP, M57TU2, M67TU, ...etc) requiring "Mid SAPS" lubricants: low Sulfated Ash (<0.8%), low Phosphorus (<0.08%) and low Sulfur (<0.3%) levels.

- **For Diesel engines fitted with Diesel Particulate Filter (DPF)**, MOTUL Specific LL-04 5W-40 must be used whatever the country. MOTUL Specific LL-04 5W-40 is also suitable for use in Diesel engines without diesel particulate filter.
- **For Gasoline engines**, MOTUL Specific LL-04 5W-40 is recommended for use only in European Union countries, Switzerland, Norway and Liechtenstein. Outside those countries, an approved BMW LL-01 lubricant such as MOTUL 8100 X-cess 5W-40 or MOTUL 8100 X-max 0W-40 is required, always refer to BMW recommendation.

**PERFORMANCES**

|           |                               |
|-----------|-------------------------------|
| STANDARDS | ACEA C3<br>API PERFORMANCE SN |
|-----------|-------------------------------|

|           |           |
|-----------|-----------|
| APPROVALS | BMW LL-04 |
|-----------|-----------|

Engines compliant with Euro 4, 5 and 6 emission regulation are fitted with sensitive exhaust gas after treatment systems. Indeed, Sulfur and Phosphorus inhibit catalytic converters operation leading to inefficient exhaust gas treatment; and Sulfated Ashes clog DPFs leading to shorten regenerating cycle, quick oil aging, higher fuel consumption and engine power loss.

The BMW Long Life-04 specification imposes severe constraints to the lubricant particularly due to BMW Valvetronic and after treatment systems compatibility. It covers all BMW engines from 2004 and also all BMW engines before 2004 as BMW LL-04 covers all the previous BMW specifications such as BMW LL-98 and BMW LL-01.

ATTENTION: BMW LL-04 product can be used for gasoline engines only in European Union countries, Switzerland, Norway and Liechtenstein. Outside those countries, an approved BMW LL-01 lubricant such as MOTUL 8100 X-cess 5W-40 or MOTUL 8100 X-max 0W-40 is required. Always refer to BMW recommendation.

Approved BMW LL-04 oils allow extended drain intervals managed by vehicle on-board computer.



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### RECOMMENDATIONS

Drain interval: refer to manufacturers' recommendations and tune to your own use.

Do not mix with lubricants not BMW LL-04 compliant.

Before use always refer to the owner manual or handbook of the vehicle.

### PROPERTIES

|                                 |            |                         |
|---------------------------------|------------|-------------------------|
| Viscosity grade                 | SAE J 300  | 0W-30                   |
| Density at 20°C (68°F)          | ASTM D1298 | 0.841                   |
| Viscosity at 40°C (104°F)       | ASTM D445  | 62.7 mm <sup>2</sup> /s |
| Viscosity at 100°C (212°F)      | ASTM D445  | 11.5 mm <sup>2</sup> /s |
| HTHS viscosity at 150°C (302°F) | ASTM D4741 | 3.6 mPa.s               |
| Viscosity Index                 | ASTM D2270 | 181.0                   |
| Pour point                      | ASTM D97   | -42.0 °C / -44.0 °F     |
| Sulfated Ash                    | ASTM D874  | 0.72 % weight           |
| TBN                             | ASTM D2896 | 7.4 mg KOH/g            |
| Flash point                     | ASTM D92   | 240.0 °C / 464.0 °F     |

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development. br\>

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty. Made in FRANCE

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