# LUBE BM-17 FE SAE 0W-20

100% synthetic P.A.O based fuel economy lubricant
Mid SAPS technology

## USES

100 % synthetic fuel economy lubricant for gasoline and diesel engines
Recommended for BMW gasoline engines where BMW Longlife 17 FE+ oil is required. Also suitable for use in diesel and gasoline engines from other manufacturers that require one of the below-mentioned specification.
Recommended for BMW/MINI B38/B48/B58 and N20 series gasoline engines manufactured from 2014 onwards.
**DO NOT USE** in M series BMW engines.

**Approvals: BMW Longlife-17 FE+** (Can replace BMW Longlife-14 FE+ oil. The drain interval must be adapted to the quality of the fuel).

**Specifications:**
ACEA C5, API SN/SN Plus/SN-RC, ILSAC GF-5
Opel/Vauxhall OV0401547 (GM dexos D/ dexos2 Gen2/ GMW 18006), MB 229.71, Volvo VCC RBSO-2AE, JLR 03.5006


## MAIN PHYSICAL DATA

| | Methods | Units | 0W-30 |
|---|---|---|---|
| Density at 20°C | ASTM D4052 | kg/m$^3$ | 842 |
| Kinematic viscosity at 40°C | ASTM D445 | mm$^2$/s | 42 |
| Kinematic viscosity at 100°C | ASTM D445 | mm$^2$/s | 8.3 |
| Viscosity index | ASTM D2270 | | 178 |
| Pour point | ASTM D97 | °C | -51 |
| Cleveland Open Cup Flash Point | ASTM D92 | °C | 222 |
| Dynamic viscosity at -35°C | ASTM D5293 | mPa·s | 5700 |
| HTHS viscosity (150°C) | CEC L-036-90 | mPa·s | 261 |
| Sulphated ash | ASTM D874 | % mass | 0.77 |
| Total Base Number (TBN) | ASTM D2896 | mgKOH/g | 7.8 |

*The data given in this table represents typical production values and should not be taken as specifications.*

## PROPERTIES & ADVANTAGES

► Low H.T.H.S viscosity (SAE 0W-20) provides quick oil flow, increases fuel economy, reduces $CO_2$ and exhaust gas emissions, and offers excellent engine protection against wear.
► Specific additives prevent the risk of L.S.P.I (low speed pre-ignition) in the last generation of gasoline direct injection engines.
►"Mid SAPS" technology extends the service life of diesel particulate filters (DPF) and catalytic converters.
► Good detergent/dispersant properties keep engines clean.
► Excellent shear stability ensures optimal engine protection at high temperatures.
► Immediate lubrication upon start-up, even at extremely low temperatures.

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Always consult the owner's manual to check the recommended viscosity grade and specifications for your vehicle.