



# LUBE BM-12 - SAE 0W-30

100% synthetic "Mid SAPS" oil  
for gasoline and diesel engines

## USES

Specifically designed to meet the BMW Longlife-12 FE specification and recommended by BMW to improve fuel efficiency.

Recommended for BMW and Mini following engines:

1) 14d, 16d, 18d, 20d and 30d diesel\* engines from 2014 onwards (except F3x 30d, 2019 model). For 25d, 35d, 40d and 50d models, a BMW LL-04 oil is recommended. **DO NOT USE** this SAE 0W-30 oil in the E71 diesel engine of the X6 model.

2) gasoline engines \* without particulate filter from 2002 onwards, recent gasoline engines with particulate filter, and gasoline engines \* without particulate filter fitted in M series S55 or S63 models.

\* Applicable in EU Member States, including Norway, Switzerland and Liechtenstein.

**Approvals:** BMW Longlife-12 FE

**Specifications** : ACEA C2; API SP-RC; ILSAC GF-6A; MB 227.61; MB 229.61 (DTFR 15D100).

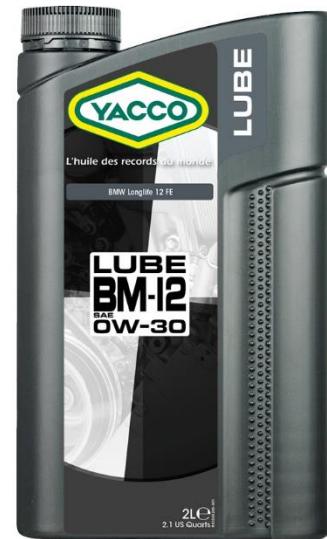
## MAIN PHYSICAL DATA

		Methods	Units	0W-30
Density at	20°C	ASTM D4052	kg/m <sup>3</sup>	842
Kinematic viscosity at	40°C	ASTM D445	mm <sup>2</sup> /s	48
Kinematic viscosity at	100°C	ASTM D445	mm <sup>2</sup> /s	9.5
Viscosity index		ASTM D2270		190
Pour point		ASTM D97	°C	-48
Cleveland Open Cup Flash Point		ASTM D92	°C	222
Dynamic viscosity at	-35°C	ASTM D5293	mPa·s	5800
HTHS viscosity		CEC L-036-90	mPa·s	3
Sulphated ash		ASTM D874	% mass	0.76
Total Base Number (TBN)		ASTM D2896	mgKOH/g	9.4

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

## PROPERTIES & ADVANTAGES

- 100% synthetic BMW Longlife-12 FE approved formula. Low viscosity SAE 0W-30 improves fuel efficiency, and allows to reduce CO<sub>2</sub> and exhaust emissions.
- "Mid SAPS" formula containing lower levels of sulphated ash, phosphorous and sulphur extends the service life of particulate filters (DPF) and catalytic converters.
- Enhanced engine protection against corrosion, wear and deposit formation.
- Immediate and optimal lubrication upon start-up, even at extremely low temperatures.



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