

# Quartz Ineo Efficiency 0W-30

## Engine oil

### KEY DATA



#### LIGHT VEHICLE RANGE

GASOLINE & DIESEL ENGINE OIL  
SAE 0W-30  
ADVANCED SYNTHETIC TECHNOLOGY  
LOW SAPS  
FUEL ECONOMY

#### INTERNATIONAL STANDARDS

- ACEA C2, C3
- API SP

#### MANUFACTURER APPROVALS <sup>1</sup>

- BMW LL-19FE
- BMW LL-12FE
- BMW LL-04
- Recommended by Kia

<sup>1</sup>Please refer to car owner's manual

## TECHNOLOGY

### Age-Resistance technology

The next gen oil for outstanding protection.

Age-Resistance technology provides expert protection, to fight everyday challenges in the long term.

Age-Resistance technology offers unbeatable engine protection. Its unique combination of hyperactive molecules creates a strong thick oil film on all concerned engine parts. Engines are absolutely protected against a variety of challenges, from wear to oil oxidation even at extreme temperatures.



## APPLICATIONS

Quartz Ineo Efficiency 0W-30 is the newest generation of premium engine oil optimized for both thermal and hybrid engines.

Crafted by TotalEnergies' engineers in our cutting-edge research center in France, Quartz Ineo Efficiency 0W-30 exceeds the latest and stringent BMW LL-19FE and BMW LL-12FE specifications. This engine oil is also BMW LL-04 approved, and recommended by Kia.

With unrivaled fuel economy and engine cleanliness performances, Quartz Ineo Efficiency 0W-30 is the best choice to keep your engine younger for longer.

Quartz Ineo Efficiency 0W-30 is perfectly shaped for the newest generation of BMW's engines providing enhanced cleanliness, advanced protection and significant fuel economy thanks to its unique formula.

## CUSTOMERS BENEFITS

- 💧 Antiwear protection: Quartz Ineo Efficiency 0W-30 ensures optimum engine longevity with its antiwear properties that protect the engine's most sensitive parts.
- 💧 Optimum engine Protection, Cleanliness and Performance: This oil contains detergent and dispersive additives that keep the engine clean and thus preserve its power.
- 💧 Easier cold starts: The "0W-" grade ensures extra-high fluidity and easy starts even in very cold temperatures.
- 💧 Respect for the environment: Quartz Ineo Efficiency 0W-30 is formulated to protect anti-pollution systems such as particulate filter and three-way catalysts. Pollutant emissions are therefore reduced (HC, NO<sub>x</sub>, CO, Particles...).

## CHARACTERISTICS<sup>2</sup>

TEST	UNIT	TEST METHOD	RESULT
Viscosity grade	-	SAE J300	0W-30
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	58.24
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	11.58
Density at 15°C	kg/m <sup>3</sup>	ASTM D4052	845
Viscosity index	-	ASTM D2270	198
Pour point	°C	ASTM D97	-42
OC Flash point	°C	ASTM D92	228

<sup>2</sup>The characteristics given above are obtained with a standard tolerance threshold during production and may not be considered specifications.

## RECOMMENDATIONS FOR USE

Before using the product, the vehicle's maintenance guide should be checked. Oil changes should be carried out in accordance with the manufacturer's recommendations.

The product should not be stored at temperatures over 60°C. It should be kept away from sunlight, intense cold and extreme temperature fluctuations. If possible, the packaging should not be exposed to the elements. Otherwise, the drums should be laid horizontally in order to avoid any contamination from water and to prevent the product's label from rubbing off.

## HEALTH, SAFETY AND THE ENVIRONMENT

Based on the toxicological information available, this product should not cause any adverse health effects, provided it is used for its intended purpose and in accordance with the recommendations laid out in the Safety Data Sheet (SDS).

This can be obtained on request from your local reseller and is available for consultation at <https://ms-sds.totalenergies.com>.

This product should not be used for any purposes other than the ones for which it is intended.

