



TOTAL QUARTZ INEO EFFICIENCY 0W-30

Engine oil

KEY DATA

LIGHT VEHICLE RANGE



PETROL & DIESEL ENGINE OIL

SAE 0W-30

SYNTHETIC TECHNOLOGY

LOW SAPS

INTERNATIONAL STANDARDS

✓ ACEA C2 & C3

MANUFACTURER APPROVALS

- ✓ **BMW LL-04**
(Suitable for BMW and MINI brands)
- ✓ **MB-Approval 229.51**
- ✓ (Backward compatible MB-Approval 229.31)

APPLICATIONS

TOTAL QUARTZ INEO EFFICIENCY 0W-30 is specially formulated for the Diesel and gasoline* engines of BMW group passenger vehicles.

Its low phosphorus, sulphated ash and sulphur content protect post-treatment systems that reduce pollutant emissions.

TOTAL QUARTZ INEO EFFICIENCY 0W-30 performs in the most demanding driving conditions (city traffic, major roads and motorways).

This lubricant is suited to every kind of driving, including sports, high-speed and all-season driving.

** Use in gasoline engines is limited to European countries only*

CUSTOMER BENEFITS

- **Antiwear protection:** TOTAL 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:** TOTAL 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, NOx, CO, Particles...).

CHARACTERISTICS*

Test	Unit	Test method	Result
Viscosity grade	-	SAE J300	0W-30
Kinematic viscosity at 40°C	mm ² /s	ASTM D445	64
Kinematic viscosity at 100°C	mm ² /s	ASTM D445	11.6
Flashpoint	°C	ASTM D92	239
Pour point	°C	ASTM D97	-45
Viscosity Index	-	ASTM D2270	180
TBN	mgKOH/g	ASTM D2896	7.5

* 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. This can be obtained on request from your local reseller and is available for consultation at www.quickfds.fr.

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

When disposing of the product after use, please protect the environment and comply with local regulations.