



TOTAL

TOTAL QUARTZ INEO DYNAMICS 0W-30

Engine oil

KEY DATA

LIGHT VEHICLE RANGE



INTERNATIONAL STANDARD

✓ ACEA C2

PETROL & DIESEL ENGINE OIL

SAE 0W-30

SYNTHETIC TECHNOLOGY

LOW SAPS & FUEL ECONOMY

MANUFACTURER APPROVALS*

BMW LL-12 FE

DESCRIPTION

Nowadays, engines face **tremendously high operating temperatures and pressures**. This accelerates oil oxidation and **destabilizes its molecular structure**, leading to **increased friction and sludge build-up**

TOTAL QUARTZ INEO DYNAMICS 0W-30 with **ART (Age Resistance Technology)** is an advanced, highly charged formula which fortifies the anti-oxidation properties of the engine oil offering therefore **ultimate protection** against sludge formation and wear.

TOTAL QUARTZ with ART,
Keep your engine younger for longer.

APPLICATIONS

TOTAL QUARTZ INEO DYNAMICS 0W-30 with ART is synthetic technology engine oil specially formulated to meet the latest ACEA standards and technical requirements of vehicle manufacturers.

Its high-performance formula is able to protect the engine from start-up, even in coldest conditions and reduce engine wear significantly. It ensures strong durability and exceptional fuel economy performance whilst maintaining efficiency of emission systems in latest diesel and petrol engines of European vehicles requiring SAE 0W-30 viscosity grade. TOTAL QUARTZ INEO DYNAMICS 0W-30 is specifically recommended for use in BMW group vehicles requiring compliance with BMW LL-12FE specification.

*Please refer to car owner's manual

CUSTOMER BENEFITS

- **Improved environmental impact:** TOTAL QUARTZ INEO DYNAMICS 0W-30 reduces engine deposits and ensures optimal functioning of the latest Diesel Particulate Filters (DPF) and Gasoline Catalytic Converters which lowers emissions of NO_x, CO₂, CO and particles. It complies with Euro VI emission standards.
- **Fuel economy:** The friction between moving parts of the engine is significantly reduced, leading to 2.9% fuel economy performance on ACEA M111FE test.
- **Engine cleanliness:** Reduces engine deposits to help maximize its performance
- **Cold start performance:** Excellent engine protection at start-up

CHARACTERISTICS*

Test	Unit	Test method	Result
Viscosity grade	-	SAE J300	0W-30
Kinematic viscosity at 40°C	mm ² /s	ISO 3104	53.800
Kinematic viscosity at 100°C	mm ² /s	ISO 3104	9.900
Viscosity Index	-	ISO 2909	173
Flashpoint	°C	NF EN ISO 2592	226
Pour point	°C	NF T 60 105	-51
Density at 15°C	kg/m ³	NF EN ISO 12185	841.3

* 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.

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TOTAL QUARTZ INEO LONG LIFE 0W-30

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