



# TOTAL QUARTZ INEO MC3 5W-30

Engine oil

## KEY DATA

### PASSENGER CARS RANGE



**PETROL & DIESEL ENGINE OIL**

**SAE 5W-30**

**SYNTHETIC TECHNOLOGY**

**LOW SAPS**

### INTERNATIONAL STANDARDS

- ✓ ACEA C3
- ✓ API SN/CF

### MANUFACTURER APPROVALS\*

- ✓ **MERCEDES-BENZ:** MB-Approval 229.52 (backward compatible MB-Approval 229.51 and MB-Approval 229.31)
- ✓ **BMW LL-04**
- ✓ **VOLKSWAGEN:** VW 502.00 / 505.01
- ✓ **CHRYSLER:** MS-11106 (level)
- ✓ **HYUNDAI – KIA:**  
Approved by Hyundai Kia and recommended in after sales\*\*
- ✓ **GENERAL MOTORS:**  
Official Dexos 2™ license: GB2C0301070  
Meets the latest technical requirements of GM engines (Opel, Vauxhall, Chevrolet).

## 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 MC3 5W-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 MC3 5W-30 is synthetic Low SAPS engine oil specially formulated to meet the technical requirements of vehicles manufactured by BMW, Mercedes-Benz, Volkswagen and Hyundai-Kia.

TOTAL QUARTZ INEO MC3 5W-30 complies with the latest ACEA and API international standards and meets the requirements of the most demanding automobile manufacturers.

This 5W-30 grade lubricant is suitable for the most severe conditions of use (sports driving, repeated start-ups, city and motorway driving).

Its special formulation resists the most extreme variations in operating temperature. It is particularly well suited to modern multi-valve engines equipped with turbochargers and direct injection.

Its Low SAPS technology (low content in Sulphated Ash, Phosphorus and Sulphur) makes it the lubricant of choice for optimal operation of the latest-engine generation equipped with anti-pollutant devices.

\* Please refer to car owner's manual / \*\* throughout the world except Europe and Korea

## CUSTOMER BENEFITS

- **Reduced environmental impact:** TOTAL QUARTZ INEO MC3 5W-30 ensures optimal functioning of three-way catalytic converters and particulate filters, which lowers emissions of NO<sub>x</sub>, CO<sub>2</sub>, CO particles, and ensure compliance with performance levels announced by manufacturers and Euro V environmental standards.
- **Longevity of post-treatments systems:** This oil extends the service life of post-treatment systems by preventing DPFs and three-way catalytic converters from clogging and filling.
- **Engine protection and cleanliness:** Its excellent resistance to temperature variations guarantees the longevity of engine parts and optimal performance level under all circumstances.
- **Longer intervals between oil changes:** TOTAL QUARTZ INEO MC3 5W-30 satisfies the most demanding manufacturer service plans by permitting extra-long intervals.

## CHARACTERISTICS\*

Test	Unit	Test method	Result
Viscosity grade	-	SAE J300	5W-30
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	69
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	12
Flashpoint	°C	ASTM D92	233
Pour point	°C	ASTM D97	-36
Viscosity Index	-	ASTM D2270	171
TBN	mgKOH/g	ASTM D2896	7

\* 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](http://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.