



TOTAL

# TOTAL QUARTZ INEO MC3 5W-40

Engine oil

## KEY DATA

### LIGHT VEHICLE RANGE



PETROL & DIESEL ENGINE OIL

SAE 5W-40

SYNTHETIC TECHNOLOGY

LOW SAPS

### INTERNATIONAL STANDARDS

- ✓ ACEA C3
- ✓ API SN/CF

### MANUFACTURER APPROVALS\*

- ✓ MERCEDES-BENZ MB-Approval 229.51
- ✓ VOLKSWAGEN : VW 502.00 / 505.01
- ✓ PORSCHE A40
- ✓ GENERAL MOTORS  
Official dexos2™ license : meets the latest technical requirements of GM engines (Opel, Vauxhall, Chevrolet)
- ✓ Meets the requirements of FORD WSS-M2C 917-A
- ✓ Meets the requirements of FIAT 9.55535-S2
- ✓ Meets the requirements of FIAT 9.55535-GH2

## DESCRIPTION

Today, engines are designed to be smaller. They do more with less, which **causes higher temperature and pressure in the engine**. Therefore, oil oxidation is accelerated. The **molecular structure of the oil is destabilized**, friction is increased and sludge begins to build-up.

This increases the risk of premature engine failure.

TOTAL QUARTZ INEO MC3 5W-40 with **ART (Age Resistance Technology)** is a highly charged formula which fortifies the anti-oxidation properties of the engine oil offering **enhanced protection** against sludge formation and wear caused by friction.

TOTAL QUARTZ avec ART,  
*Keep your engine younger for longer*

## APPLICATIONS

TOTAL QUARTZ INEO MC3 5W-40 with ART is synthetic engine oil specially formulated to meet the latest ACEA and API international standards and technical requirements of vehicle manufacturers, such as GM, Mercedes-Benz, Volkswagen, or Porsche.

This lubricant is suitable for the most severe conditions of use (door-to-door, 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 all recent 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

## CUSTOMER BENEFITS

- **Reduced environmental impact:** TOTAL QUARTZ INEO MC3 5W-40 ensures optimal functioning of three-way catalytic converters and particulate filters, which lower emissions of NOx, CO<sub>2</sub>, CO and particles. It also ensures 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-40 satisfies the most demanding manufacturer service plans by permitting extra-long oil change intervals.

## CHARACTERISTICS\*

Test	Unit	Test method	Result
Viscosity grade	-	SAE J300	5W-40
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	83.9
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	13.9
Viscosity Index	-	ASTM D2270	170
Flashpoint	°C	ASTM D92	240
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](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.

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