

# TOTAL QUARTZ INEO MDC 5W-30

Engine oil

## KEY DATA

### LIGHT VEHICLE RANGE



PETROL & DIESEL ENGINE OIL  
SAE 5W-30  
ADVANCED SYNTHETIC TECHNOLOGY  
LOW SAPS



### INTERNATIONAL STANDARDS

- ACEA C2 & C3
- API SN/CF

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

- **MERCEDES-BENZ:** MB-Approval 229.52
- **GENERAL MOTORS:** Official dexos2™ license: Official Dexos 2™ license: GB2F0312070 Meets the latest technical requirements of GM engines (Opel, Vauxhall, Chevrolet).
- **OPEL / VAUXHALL** OV0401547
- **HYUNDAI – KIA:** Meets the requirements of Hyundai 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. It's 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

**TOTAL QUARTZ INEO MDC 5W-30 is a synthetic Low SAPS engine oil. Its innovative formulation is perfectly adapted to meet the needs of the recent Mercedes Benz, GM and the vehicles of Hyundai-Kia Motors Corporation.**

**TOTAL QUARTZ INEO MDC 5W-30** is suitable for all Gasoline and Diesel engines, including the most recent, which comply with Euro VI polluting emissions reduction norms.

This pollution-control synthetic technology engine oil provides engines with the best possible protection against wear and clogging. The emission control systems, sensitive to the lubricants used and expensive to maintain, are also protected over the long-term thanks to the "Low SAPS" formulation (low content of sulphated ash, phosphorus and sulphur contents).

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



## CUSTOMERS BENEFITS

- **Reduced environmental impact:** TOTAL QUARTZ INEO MDC 5W-30 is formulated to protect emission control systems such as particulate filter and three-way catalysts. Pollutant emissions are therefore reduced (HC, NOx, CO, Particles...)
- **Engine longevity:** This oil ensures optimum engine longevity with its antiwear properties that protect the engine's most sensitive parts.
- **Engine protection and cleanliness:** Its excellent resistance to temperature variations guarantees outstanding engine protection and optimal performance level under all circumstances.
- **Longer intervals between oil changes:** TOTAL QUARTZ INEO MDC 5W-30 satisfies the most demanding manufacturer service plans by permitting extra-long oil change intervals.

## CHARACTERISTICS<sup>2</sup>

TEST	UNIT	TEST METHOD	RESULT
Viscosity grade	-	SAE J300	5W-30
Density at 15°C	kg/m <sup>3</sup>	ASTM D1298	853
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	72.8
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	12.3
Viscosity index	-	ASTM D2270	168
Pour Point	°C	ASTM D97	-36
OC Flash Point	°C	ASTM D92	238

<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 [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.

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Some variations can be expected under normal production conditions, but these should not affect the product's expected performance irrespective of the site. The information contained in this document is subject to change without notice. Our products can be viewed on our website at [www.lubricants.total.com](http://www.lubricants.total.com).