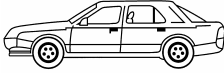


# QUARTZ INEO MC3



TOTAL

**New Low SAPS generation oil especially developed for BMW and Mercedes-Benz Group engines. Its very high technology optimizes the performance of the anti-pollution systems, such as the Diesel Particulate Filters.**

## UTILISATIONS

- QUARTZ INEO MC3 satisfies the most difficult conditions of use (motorway, dense urban traffic...), in all seasons. Is appropriate for all styles of driving, in particular sporting and with highly demanding.
- QUARTZ INEO MC3 is appropriated for all recent engines (AM 2000 and later), multivalve, turbocharged, direct injection, equipped or not with catalytic converters.
- QUARTZ INEO MC3 fully satisfies the new Euro IV environmental standards and optimizes the anti-pollution systems, in particular the Diesel Particulate Filters (DPF).
- QUARTZ INEO MC3 satisfies the maintenance plans of the most demanding manufacturers, especially concerning the lengthened drain intervals.

## PERFORMANCES

<b>Specifications</b>	Standard ACEA 2007 API	C3 SM/CF
<b>OEMS homologations</b>	MERCEDES-BENZ :MB 229.31, MB 229.51 BMW: BMW Long Life 04 VOLKSWAGEN : VW 502.00/505.00/505.01 Meets FORD WSSM2C 917 A technical requirements	

## CLIENTS BENEFITS

- |                                                         |                                                                                                                                                                                                                              |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Increased longevity of the particulate filters</b>   | • Reinforces the action of the Diesel Particulate Filter and prolongs its lifespan, by avoiding its early blinding (50% less metal additives than traditional technology oil).                                               |
| <b>Respect for the environment</b>                      | • Ensures better respect for the environment, by ensuring an optimum performance of the whole systems of depollution and by guaranteeing a high level of engine efficiency.                                                  |
| <b>Protection and optimal cleanliness of the engine</b> | • Excellent protection and cleanliness of the engine.                                                                                                                                                                        |
| <b>Longer draining intervals</b>                        | • Ensures exceptional engine durability and satisfies the plans for maintenance of the most demanding manufacturers by allowing extra long drain intervals (20000 to 40000 kms), thanks to exceptional oxidation resistance. |

## CHARACTERISTICS

TOTAL QUARTZ INEO MC3	Method	Unit	Grade 5W-30
Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	71,7
Viscosity at 100°C	ASTM 445	mm <sup>2</sup> /s	12,13
Viscosity index	ASTM D2270	-	167
Pour point	ASTM D97	°C	- 36
Flash Point	ASTM D92	°C	220
B.N.	ASTM D2896	mgKOH/g	7,4

*The values of the characteristics appearing in this table are typical values given as an indication.*

**TOTAL LUBRIFIANTS**  
16, rue de la République  
92800 PUTEAUX  
1/2

**QUARTZ INEO MC3**  
Sheet updated : 01/08  
Sticker reference : MPC /11/05



This lubricant used according to our recommendations and for the application for which it is planned does not present a particular risk. A card of data of safety in conformity with the legislation in force in the E.C. is available near your commercial adviser.