

QUARTZ INEO MC3 5W-30



A synthetic Low SAPS engine oil specially formulated to meet the technical requirements of vehicles manufactured by BMW, Mercedes-Benz, Volkswagen and Hyundai Kia.

RANGE OF USE

- **TOTAL QUARTZ INEO MC3 5W30** 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 (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.

PERFORMANCE

International standards

ACEA : C3
API: SN/CF

Manufacturer approval*

MERCEDES-BENZ: MB-Approval 229.51 and backward compatible 229.31
BMW: LL-04
VOLKSWAGEN: 502.00 / 505.01
HYUNDAI-KIA: Approved by Hyundai Kia and recommended in after sales*

GENERAL MOTORS: **Official dexos2™ license:** Meets the latest technical requirements of GM engines (**Opel, Vauxhall, Chevrolet**) backward compatible **GM-LL-A-025, GM-LL-B-025**

CUSTOMER ADVANTAGES

Reduced environmental impact

- QUARTZ INEO MC3 ensures optimal functioning of three-way catalytic converters and particulate filters, which lower emissions of NOx, CO2, CO and particles and ensure compliance with performance levels announced by manufacturers and Euro V environmental standards.

Longevity of post-treatment systems

- 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

- Satisfies the most demanding manufacturer service plans by permitting extra-long oil change intervals.

SPECIFICATIONS

| TOTAL QUARTZ INEO MC3 | Method | Units | 5W-30 grade |
|------------------------------|------------|--------------------|-------------|
| Kinematic viscosity at 40°C | ASTM D445 | mm ² /s | 69 |
| Kinematic viscosity at 100°C | ASTM D445 | mm ² /s | 12 |
| Viscosity index | ASTM D2270 | - | 171 |
| Pour point | ASTM D97 | °C | -36 |
| OC flash point | ASTM D92 | °C | 234 |
| TBN | ASTM D2896 | mgKOH/g | 7 |

The specification values appearing in this table are typical values provided for informational purposes only. *It is recommended to refer to the owner's manual.

*Please refer to car owner's manual

**throughout the world except Europe and Korea

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When used in accordance with our recommendations and for the application for which it is intended, this lubricant presents no particular risks. A safety datasheet in conformity with current legislation in effect in the E.C. is available from your sales advisor.