

QUARTZ 9000 ENERGY 5W-40



An exceptionally high-performance synthetic TOTAL lubricant designed for Gasoline and Diesel engine passenger vehicles.

APPLICATIONS

- TOTAL QUARTZ 9000 ENERGY 5W-40 has been developed for all **Gasoline** engines (multi-valve, turbocharger, with or without catalysts) and all **Diesel** engines - with or without turbos - for use on **light passenger and commercial vehicles without particulate filters**.
- TOTAL QUARTZ 9000 ENERGY 5W-40 can be used for **all journey types** (in towns, as well as on major roads and motorways), and is especially suitable for the **most demanding service conditions**.
- TOTAL QUARTZ 9000 ENERGY 5W-40 is suited to every **driving style**, especially **sporty and high-speed**.
- TOTAL QUARTZ 9000 ENERGY 5W-40 has been specially designed to meet manufacturers' requirements with regard to **greater intervals between oil changes**

PERFORMANCE

Specifications	ACEA API	ACEA: A3/B4 SN/CF (backward compatible with API SM, SL etc.)
Manufacturer certifications	MERCEDES- BENZ VOLKSWAGEN BMW PORSCHE	MB-Approval 229.5 backward-compatible MB-Approval 229.3 VW 502.00/505.00 BMW-LL-01 A 40

CUSTOMER BENEFITS

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| <p>Optimum performance</p> <p>Extremely high levels of cleanliness and engine protection</p> <p>Extends engine life</p> <p>Easier starts in very cold weather</p> <p>Longer intervals between oil changes</p> | <ul style="list-style-type: none"> Excellent engine protection, particularly against wear of the distribution system Ensures the engine remains ultra clean Outstanding thermal stability and resistance to oxidation, preventing any degradation, even extreme usage conditions Immediate lubrication of all engine components during cold starts, meaning longer engine life Meets manufacturers' requirements in terms of longer intervals between oil changes |
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SPECIFICATIONS

TOTAL QUARTZ 9000 ENERGY 5W-40	Method	Units	5W-40 grade
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	89,7
Kinematic viscosity at 100°C	ASTM 445	mm ² /s	14,7
Viscosity index	ASTM D2270	-	172
Pour point	ASTM D97	°C	-45
OC Flash Point	ASTM D92	°C	230
TBN	ASTM D2896	mgKOH/g	10

The values given in this specifications table are typical values for information purposes only.

TOTAL LUBRICANTS
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92600 NANTERRE

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Last update to this datasheet 12/2012



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 that complies with current EU legislation is available from your sales adviser.