

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/B4-08 SM/CF
Manufacturer certifications	MERCEDES- BENZ VOLKSWAGEN BMW PORSCHE	MB-Approval 229.5 retro-applicable MB-Approval 229.3 VW 502.00/505.00 BMW-LL-01 A 40

CUSTOMER BENEFITS

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|---|--|
| Optimum performance | • Excellent engine protection, particularly against wear of the distribution system |
| Extremely high levels of cleanliness and engine protection | • Ensures the engine remains ultra clean |
| Extends engine life | • Outstanding thermal stability and resistance to oxidation, preventing any degradation, even extreme usage conditions |
| Easier starts in very cold weather | • Immediate lubrication of all engine components during cold starts, meaning longer engine life |
| Longer intervals between oil changes | • Meets manufacturers' requirements in terms of longer intervals between oil changes |

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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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.