



TOTAL QUARTZ 9000 ENERGY 5W-40

Engine oil

KEY DATA

LIGHT VEHICLE RANGE



PETROL & DIESEL ENGINE OIL

SAE 5W-40

SYNTHETIC TECHNOLOGY

INTERNATIONAL STANDARDS

- ✓ ACEA A3/B4
- ✓ API SN/CF (backward compatible with API SM, SL)

MANUFACTURER APPROVALS

- ✓ VOLKSWAGEN 502.00/505.00
- ✓ BMW LL-01
- ✓ MERCEDES-BENZ MB-Approval 229.5
(backward-compatible MB-Approval 229.3)
- ✓ PORSCHE A40

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. It 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.

CUSTOMER BENEFITS

- **Antiwear protection:** this oil ensures excellent protection, particularly against wear of the distribution system.
- **Extends engine life:** The outstanding thermal stability and resistance to oxidation of this oil prevent any degradation, even in extreme usage conditions.
- **Engine protection, cleanliness and performance:** This oil contains detergent and dispersive additives that keep the engine clean and thus preserve its power.
- **Easier cold starts:** Thanks to an immediate lubrication of all engine components during cold starts, TOTAL QUARTZ 9000 ENERGY 5W-40 ensures a longer engine life.
- **Longer intervals between oil changes :** TOTAL QUARTZ 9000 ENERGY 5W-40 has been specially designed to meet manufacturers' requirements with regard to greater intervals between oil changes.

Fully synthetic oil for an **high and constant quality for the lubricant.**

CHARACTERISTICS*

Test	Unit	Test method	Result
Viscosity grade	-	SAE J300	5W-40
Viscosity at 40°C	mm ² /s	ASTM D445	89.7
Viscosity at 100°C	mm ² /s	ASTM 445	14.7
Viscosity index	-	ASTM D2270	172
Pour point	°C	ASTM D97	-45
Flash point Cleveland	°C	ASTM D92	230
T.B.N.	mgKOH/g	ASTM D2896	10

* 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.

This product should not be used for any purposes other than the ones for which it is intended.

When disposing of the product after use, please protect the environment and comply with local regulations.