

# Quartz 9000 Advanced 0W-40

## Engine oil

### KEY DATA



#### LIGHT VEHICLE RANGE

GASOLINE & DIESEL ENGINE OIL

SAE 0W-40

ADVANCED SYNTHETIC TECHNOLOGY

#### INTERNATIONAL STANDARDS

- ACEA A3/B4
- API SP

#### MANUFACTURER APPROVALS <sup>1</sup>

- VW 502.00/505.00
- Porsche A40

<sup>1</sup>Please refer to car owner's manual

## TECHNOLOGY

### Age-Resistance technology

The next gen oil for outstanding protection.

Age-Resistance technology provides expert protection, to fight everyday challenges in the long term.

Age-Resistance technology offers unbeatable engine protection. It's unique combination of hyperactive molecules creates a strong thick oil film on all concerned engine parts. Engines are absolutely protected against a variety of challenges, from wear to oil oxidation even at extreme temperatures.



## APPLICATIONS

Quartz 9000 Advanced 0W-40 is an advanced synthetic technology engine oil that meets the requirements of the ACEA A3/B4 and latest API SP sequences.

Its compliance with these new international standards means that it meets the most recent requirements for petrol engines, as well as those for diesel engines that are not fitted with particulate filters.

Quartz 9000 Advanced 0W-40 is officially VW 502.00/505.00 and Porsche A40 approved.

## CUSTOMERS BENEFITS

- 💧 Engine protection: This lubricant provides an extremely high level of engine protection, ensuring that all engine parts last for a long time.
- 💧 Protection for petrol engine pollution-control systems: Quartz 9000 Energy 0W-40 optimises the way in which three-way catalytic converters work, preventing them from getting clogged up with deposits. This reduces emissions of NOx, HC and CO in particular.
- 💧 Engine cleanliness: This oil offers the best possible protection in its category against deposits in all circumstances: as soon as the engine is started, during cold starts and at extremely high temperatures.

## CHARACTERISTICS<sup>2</sup>

| TEST                         | UNIT               | TEST METHOD | RESULT |
|------------------------------|--------------------|-------------|--------|
| Viscosity grade              | -                  | SAE J300    | 0W-40  |
| Kinematic viscosity at 40°C  | mm <sup>2</sup> /s | ASTM D445   | 76.3   |
| Kinematic viscosity at 100°C | mm <sup>2</sup> /s | ASTM D445   | 13.6   |
| Density at 15°C              | kg/m <sup>3</sup>  | ASTM D1298  | 0.8443 |
| Viscosity index              | -                  | ASTM D2270  | 185    |
| Pour point                   | °C                 | ASTM D97    | -42    |
| OC Flash point               | °C                 | ASTM D92    | 253    |

<sup>2</sup>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 (SDS).

This can be obtained on request from your local reseller and is available for consultation at <https://ms-sds.totalenergies.com>.

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



TotalEnergies Lubricants / Last update of this datasheet: April 23 / Quartz 9000 Advanced 0W-40

Some variations can be expected under normal production conditions, but these should not affect the product's expected performance irrespective of the site. The information contained in this document is subject to change without notice. Our products can be viewed on our website at [www.lubricants.totalenergies.com](http://www.lubricants.totalenergies.com).