

# TOTAL QUARTZ 9000 ENERGY 5W-40

Engine oil

## KEY DATA

### LIGHT VEHICLE RANGE



GASOLINE & DIESEL ENGINE OIL  
SAE 5W-40  
ADVANCED SYNTHETIC TECHNOLOGY



### INTERNATIONAL STANDARDS

- ACEA A3/B4
- API SN/CF

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

- MB-Approval 229.5
- VW 502.00/505.00
- PORSCHE A40
- Meets the requirements of:
- CHRYSLER MS-12991
- FIAT 9.55535-M2

<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

TOTAL QUARTZ 9000 ENERGY 5W-40 is an advanced synthetic technology engine oil that has been developed to cover the most stringent requirements of both gasoline and diesel passengers car engines.

TOTAL QUARTZ 9000 ENERGY 5W-40 is particularly suitable for turbo-compressed, multi-valve and direct injection diesel engines.

This engine oil can be used in the most difficult operating conditions (motorways, dense city traffic...), and is appropriate for all driving types, in particular for sporting or intense drive, and for every season.

TOTAL QUARTZ 9000 ENERGY 5W-40 is perfectly suited to engines with catalytic converters and all engines using lead-free fuel or LPG.

## CUSTOMERS BENEFITS

- Anti-wear protection: Ensures optimum engine longevity with its anti-wear properties that protect engine's most sensitive parts.
- Oxidation resistance: This lubricant allows extra long drain intervals.
- All driving conditions: Good fluidity at low temperatures for facilitating cold starts, resistant even at the highest temperatures.
- Optimum engine protection: Immediate lubrication of all engine components at start-up, even the most fragile.
- Engine cleanliness: Detergent and specific dispersive additives.

## CHARACTERISTICS<sup>2</sup>

TEST	UNIT	TEST METHOD	RESULT
Viscosity grade	-	SAE J300	5W-40
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	90
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	14.7
Density at 15°C	kg/m <sup>3</sup>	ASTM D1298	855
Viscosity index	-	ASTM D2270	172
Pour point	°C	ASTM D97	-36
OC Flash point	°C	ASTM D92	232

<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 <http://sdstotalms.total.com>. This product should not be used for any purposes other than the ones for which it is intended.

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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.total.com](http://www.lubricants.total.com).