



# TOTAL QUARTZ 9000 ENERGY 5W-40

Engine lubricant

## KEY DATA

### LIGHT VEHICLE RANGE



**PETROL & DIESEL ENGINE LUBRICANT**

**SAE 5W-40**

**SYNTHETIC TECHNOLOGY**

### INTERNATIONAL STANDARDS

- ✓ ACEA A3/B4
- ✓ API SN/CF

### MANUFACTURER CERTIFICATIONS\*

- ✓ VOLKSWAGEN: 502.00/505.00
- ✓ BMW: LL-01
- ✓ MERCEDEZ-BENZ: MB-Approval 229.5
- ✓ PORSCHE: A40
- ✓ Meets the requirements of Chrysler MS-12991
- ✓ Meets the requirements of FIAT 9.55535-M2

## APPLICATIONS

TOTAL QUARTZ 9000 ENERGY 5W-40 is synthetic technology engine oil that has been developed to cover the most stringent requirements of both gasoline and diesel passenger 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 5W-40 is perfectly suited to engines with catalytic converters and all engines using lead-free fuel or LPG

## CLIENT 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.

[www.lubrifiants.total.fr](http://www.lubrifiants.total.fr)

\* The owner's manual should be referred to.

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 in compliance with current EU legislation is available from your sales consultant.

## CHARACTERISTICS

Test	Unit	Test method	Result
Viscosity grade	-	SAE J300	5W-40
Density at 15°C	kg/m3	ASTM D1298	855
Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	90
Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	14.7
Viscosity index	-	-	172
Flashpoint:	°C	ASTM D92	232
Pour point:	°C	ASTM D97	-36

\* 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 manual 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 barrels 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 can be obtained on request from your local reseller and is available for consultation at [www.quickfds.fr](http://www.quickfds.fr).

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.