



# TOTAL QUARTZ 7000 ENERGY 10W-40

Engine oil

## KEY DATA

### LIGHT VEHICLE RANGE



**PETROL & DIESEL ENGINE OIL**

**SAE 10W-40**

**SYNTHETIC TECHNOLOGY**

### INTERNATIONAL STANDARDS

- ✓ ACEA A3/B4
- ✓ API SL/CF

### MANUFACTURER APPROVALS

- ✓ VOLKSWAGEN 501.01/505.00
- ✓ MERCEDES-BENZ MB-Approval 229.1

## APPLICATIONS

TOTAL QUARTZ 7000 ENERGY 10W-40 is a synthetic technology engine oil that has been developed for all Gasoline and Diesel engines with indirect or direct injection \*.

TOTAL QUARTZ 7000 ENERGY 10W-40 is particularly suited to turbocharged and multi-valve engines.

This engine oil is perfectly adapted to vehicles equipped with catalysts and using unleaded fuel or liquefied petroleum gas..

TOTAL QUARTZ 7000 ENERGY 10W-40 is perfectly suited to normal driving conditions.

\* The vehicle owner manual should be checked before using.

## CUSTOMER BENEFITS

- **Engine protection and cleanliness:** This oil ensures good engine cleanliness, reducing particle accumulation in the motor via efficient dispersant power.
- **Enhanced Properties specific to Diesel engines:** Specially designed to meet the particular requirement of direct injection engines. Direct injection improves power and low-speed torque, and reduces fuel consumption, but also increases the operating temperature. It is therefore important to use a lubricant able to protect the engine at high temperature
- **Optimum engine protection:** Wide viscosity index range giving the lubricant excellent performance at high temperature, and ensuring rapid lubrication of engine components during starts. This optimal protection at any temperature extends engine life

## CHARACTERISTICS\*

Test	Unit	Test method	Result
Viscosity grade	-	SAE J300	10W-40
Density at 15°C	kg/m <sup>3</sup>	ASTM D1298	873.6
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	96.8
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	14.81
Viscosity index	-	ASTM D2270	160
Flashpoint	°C	ASTM D92	232
Pour point	°C	ASTM D97	-24

\* 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 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.