

TOTAL QUARTZ 9000 ENERGY 5W-30

Engine oil

KEY DATA

LIGHT VEHICLE RANGE



PETROL & DIESEL ENGINE OIL
SAE 5W-30
SYNTHETIC TECHNOLOGY



INTERNATIONAL STANDARDS

- ACEA A3/B4
- API SL/CF

MANUFACTURER APPROVALS¹

- BMW LL-01
- VOLKSWAGEN VW 502.00/505.00
- MERCEDES-BENZ MB-Approval 229.5 (Backward-compatible MB-Approval 229.3)

¹Please 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-30 has been developed for all Gasoline engines (multi-valve, turbocharger, with or without catalysts) and all recent Diesel engines - with or without turbo for use on light passenger and commercial vehicles without particulate filters.

It 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-30 has been specifically designed to meet manufacturers' requirements with regard to greater intervals between oil changes.

Suitable for use in all engines requiring GENERAL MOTORS GM-LL-A/B-025 performance level.

CUSTOMERS BENEFITS

- Antiwear protection: 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 lubricant contains detergent and dispersive additives that keep the engine clean and, thus, preserve its power.
- Longer oil change intervals: TOTAL QUARTZ 9000 ENERGY 5W-30 has been specifically designed to meet manufacturers' requirements with regard to greater interval between oil changes.

CHARACTERISTICS²

TEST	UNIT	TEST METHOD	RESULT
Viscosity grade	-	SAE J300	5W-30
Kinematic viscosity at 40°C	mm ² /s	ASTM D445	70.4
Kinematic viscosity at 100°C	mm ² /s	ASTM D445	12.1
Density at 15°C	kg/m ³	-	-
Viscosity index	-	ASTM D2270	170
Pour point	°C	ASTM D97	-33
OC Flash point	°C	ASTM D92	228

² 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.