



TOTAL

TOTAL QUARTZ 9000 FUTURE FGC 5W-30

Engine oil

KEY DATA

PASSENGER CAR RANGE



*
3000



**
4000



5000



7000



9000



INEO

PETROL ENGINE OIL

SAE 5W-30

SYNTHETIC TECHNOLOGY

FUEL ECONOMY

INTERNATIONAL STANDARDS

- ✓ API SN plus
- ✓ ILSAC GF-5

MANUFACTURER SPECIFICATIONS*

- ✓ GENERAL MOTORS dexos1@Gen2 approved (license number : D10607HI070)
- ✓ FORD WSS-M2C946-B1
- ✓ CHRYSLER MS-6395
- ✓ Meets or surpasses the technical requirements of many other American and Asian manufacturers in particular

DESCRIPTION

Nowadays, engines face **tremendously high operating temperatures and pressures**. This accelerates oil oxidation and **destabilizes its molecular structure**, leading to **increased friction and sludge build-up**

TOTAL QUARTZ 9000 Future FGC 5W-30 with **ART (Age Resistance Technology)** is an advanced, highly charged formula which fortifies the anti-oxidation properties of the engine oil offering therefore **ultimate protection** against sludge formation and wear.

TOTAL QUARTZ with ART,

Keep your engine younger for longer.

APPLICATIONS

Synthetic technology engine oil that provides ultimate protection against wear and deposits.

It's new, enhanced formulation makes it an excellent solution to control LSPI (low speed premature ignition) while maintaining high level of detergency to keep engines clean.

The post-treatment systems for petrol engines, which are sensitive to the lubricants used and expensive to maintain, are also protected over the long-term thanks to the product's low phosphorus content.

This fluid engine oil reduces internal frictions within the engine as much as possible so that it can deliver full power, while at the same time generate significant fuel savings. This engine oil is also suitable for the most demanding driving conditions (door-to-door, sporty driving styles, repeated start-ups, city and motorway driving)

TOTAL QUARTZ 9000 FUTURE FGC 5W-30 is particularly well-suited for use with the latest "Downsized" engines equipped with Stop & Start technologies and hybrid engines which require the newest fluid and synthetic engine oils. This oil is a "must have" product for after-sale outlets as it has official approvals for many passenger car brands and additional performance levels thanks to the backward compatibility of API and ILSAC sequences for older vehicles and former engine technologies.

* Please refer to car owner manual

www.lubricants.total.com

CUSTOMER BENEFITS

- **Reduced environmental impact:** Significant **FUEL ECONOMY performances** measured by the official ILSAC test: sequence VI D. It meets all of the performance levels claimed by FORD, GENERAL MOTORS, HONDA, TOYOTA and MITSUBISHI for example.
- **Protection for pollution-control systems:** With its low phosphorus content, this lubricant also optimizes the way in which three-way catalytic converters operate, preventing them from getting damaged through poisoning. This reduces NOx, HC and CO in particular.
- **Engine protection and cleanliness:** This oil offers the best possible protection in its category against wear and deposits as soon as the engine has started up.
- **Easier cold starts:** This 5W-30 grade, together with special additives, makes cold engine starts easier, even at low temperatures

CHARACTERISTICS*

Test	Unit	Test method	Result
Viscosity grade	-	SAE J300	5W-30
Kinematic viscosity at 40°C	mm ² /s	ASTM D445	62
Kinematic viscosity at 100°C	mm ² /s	ASTM D445	10.5
Viscosity Index	-	ASTM D2270	185
Flashpoint	°C	ASTM D92	226
Pour point	°C	ASTM D97	-45
Density at 15°C	kg/m ³	ASTM D4052	850

* 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.

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.

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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