

# TOTAL QUARTZ 9000 FUTURE FGC 5W-30

Engine oil

## KEY DATA

### LIGHT VEHICLE RANGE



GASOLINE ENGINE OIL  
SAE 5W-30  
ADVANCED SYNTHETIC TECHNOLOGY  
FUEL ECONOMY



### INTERNATIONAL STANDARDS

- API SP
- ILSAC GF-6A

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

- GENERAL MOTORS dexos1@Gen2 approved (license number : D10607HI070)
- Ford WSS-M2C961-A1
- Meets or surpasses the technical requirements of many other American and Asian manufacturers in particular.

<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 FUTURE FGC 5W-30 is an advanced Synthetic technology engine oil that exceeds the latest API SP and ILSAC GF-6 sequences.

This lubricant 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.

## CUSTOMERS 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<sup>2</sup>

TEST	UNIT	TEST METHOD	RESULT
Viscosity grade	-	SAE J300	5W-30
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	61
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	11
Density at 15°C	kg/m <sup>3</sup>	ASTM D1298	851.8
Viscosity index	-	ASTM D2270	175
Pour point	°C	ASTM D97	-45
OC Flash point	°C	ASTM D92	226

<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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Last update of this datasheet: 09/2020

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).