

# QUARTZ 9000 SM 5W30



## Data sheet

Advanced Fully Synthetic multigrade oil for passenger car engine

TOTAL

### APPLICATIONS

Gasoline / diesel engine cars

- Is an advanced fully synthetic SAE 5W30 high performance engine oil. It combines outstanding low temperature fluidity and high load protection.
- Recommended for virtually all modern, technically advanced, petrol engines (multi-valve and turbo types, with or without catalytic converter) and all diesel engines, turbo-charged or naturally aspirated in cars and light vans. Specially suited where lower viscosity oil is recommended.

Arduous service conditions

- Designed to provide protection under severe driving style or conditions.
- Stability and endurance under extreme conditions (heat, load, speed) that can cause conventional oils to break down.

Suitable for use

- In equipments requiring FORD WSS-M2C 929-A / GM 6094M

### PERFORMANCES

International specifications

- API SM (API Service Symbol)
- ILSAC GF-4 (Starburst Certification Symbol)

Meets the Performance level

- API CF

### CUSTOMER BENEFITS

Optimised performance

- Provides excellent start-up performance and engine efficiency, particularly for vehicles used in city and suburban driving conditions.
- Excellent thermal and oxidation stability.

Emissions/Fuel economy  
Lengthens engine life

- Developed to meet the most advanced emissions and fuel efficient requirements.
- An unique combination of advanced synthetic and meticulously selected additives provide freedom of ring sticking, reduction in deposits leading to a reduced engine wear and to a longer engine and component life.

Low temperature flow properties

- Circulates rapidly within the engine to minimize cold start up wear. Improves low temperature engine efficiency over conventional mineral oil.

Compatibility with a wide range of seal materials

- Ensures the important engine seals stay soft and pliable to minimize oil leakage.

### CHARACTERISTICS

Total Quartz 9000 SM	Method	Units	SAE 5W30
Volumetric mass at 15°C	ASTM D1298	kg/m <sup>3</sup>	853
Viscosity at 40°C	ASTM D445	mm <sup>2</sup> /s	72.50
Viscosity at 100°C	ASTM D445	mm <sup>2</sup> /s	12.01
Viscosity Index	ASTM D2270	-	163
Pour Point	ASTM D97	°C	-36
Flash Point	ASTM D92	°C	227

The typical characteristics mentioned represent mean values.

**Total Quartz 9000 SM 5W30**  
Version May, 2011

This lubricant, when used according to our recommendations and for the purpose for which is intended, presents no particular hazards. A safety data sheet complying with current EC legislation can be obtained from your local commercial adviser.