

# QUARTZ 9000 SM 5W40



## Data sheet

Premium Fully Synthetic multigrade oil for passenger car engine

### APPLICATIONS

**Gasoline / diesel engine cars**

- A premium fully synthetic engine oil with special protective additives for ultimate level of engine protection that exceeds USA and European industry standards.
- Recommended for all 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.

**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.

### PERFORMANCES

**International specifications**

- API SM/CF (API Service Symbol)

**Recommended for use**

- Ford, GM, PSA, BMW, VW, Audi and Mercedes-Benz

### CUSTOMER BENEFITS

**Optimised performance**

- Ensures excellent engine cleanliness and wear protection for vehicles in city and suburban driving conditions.
- Excellent thermal and oxidation stability.

**Lengthens engine life**

- 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**

- Thanks to its fully synthetic formulation, has an exceptional viscosity index.
- 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 5W40 |
|-------------------------|------------|--------------------|----------|
| Volumetric mass at 15°C | ASTM D1298 | kg/m <sup>3</sup>  | 853      |
| Viscosity at 40°C       | ASTM D445  | mm <sup>2</sup> /s | 87.28    |
| Viscosity at 100°C      | ASTM D445  | mm <sup>2</sup> /s | 14.22    |
| Viscosity Index         | ASTM D2270 | -                  | 169      |
| Pour Point              | ASTM D97   | °C                 | -39      |
| Flash Point             | ASTM D92   | °C                 | 230      |

The typical characteristics mentioned represent mean values.

**Total Quartz 9000 SM 5W40**  
**Version April, 2006**

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.