

# QUARTZ 5000 SM 15W50



## Data sheet

Premium high performance multigrade oil for passenger car engine

TOTAL

### APPLICATIONS

Gasoline / diesel engine cars

- A premium high performance multigrade engine oil formulated to provide wide temperature range engine protection than is required by API SM/CF and is specially formulated to provide extra protection against the harmful effects of stop-and-go driving and high and low temperature engine operation.
- 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.

### PERFORMANCES

International specifications

- API SM/CF (API Service Symbol)

Meets the Performance level

- API CF

### CUSTOMER BENEFITS

Optimised performance

- High level of detergency/dispersancy minimizes low temperature sludge formation leading to cleaner engines.
- Unique innovation in lubrication technology, identify a way of offering total engine protection during the three stages of the drive cycle – start-up, warm-up and normal driving conditions.
- Freedom of ring sticking, reduction in deposits leading to a reduced engine wear and a longer engine and component life.
- Excellent thermal and oxidation stability.
- Ensures the important engine seals stay soft and pliable to minimize oil leakage.

Compatibility with a wide range of seal materials

### CHARACTERISTICS

| Total Quartz 5000 SM    | Method     | Units              | SAE 15W50 |
|-------------------------|------------|--------------------|-----------|
| Volumetric mass at 15°C | ASTM D1298 | kg/m <sup>3</sup>  | 875       |
| Viscosity at 40°C       | ASTM D445  | mm <sup>2</sup> /s | 150       |
| Viscosity at 100°C      | ASTM D445  | mm <sup>2</sup> /s | 18.50     |
| Viscosity Index         | ASTM D2270 | -                  | 143       |
| Pour Point              | ASTM D97   | °C                 | -24       |
| Flash Point             | ASTM D92   | °C                 | 220       |

The typical characteristics mentioned represent mean values.

**Total Quartz 5000 SM 15W50**  
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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.