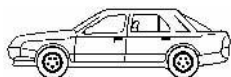


# QUARTZ 9000 FUTURE FGC



## SAE 5W-30 and 0W-20



TOTAL

Synthetic passenger car motor oil with Dexos 1 approval

### APPLICATIONS

All types of service

- **QUARTZ 9000 FUTURE FGC** was developed to meet the most stringent requirements of gasoline engines of domestic carmakers. It is particularly suited to turbocharged, multi-valve and direct injection engines.
- **QUARTZ 9000 FUTURE FGC** is an all-season synthetic oil that can be used under the most difficult operating conditions (highways, congested city traffic, etc.). It is perfectly adapted to all vehicles equipped with catalysts using unleaded fuel or LPG (liquefied petroleum gas). It is designed and approved by GM as Dexos I for use in GM vehicles, model year 2010 or later.

### PERFORMANCE

API SN and ILSAC GF-5

#### **OEM PERFORMANCE LEVEL:**

GM Dexos I approved oil  
Chrysler MS-1199 (5W30)  
Ford WSS-M2C 945-A (5W30)  
GM: 4718M; 6094M (5W30)

### CUSTOMER BENEFITS

Fuel savings  
Extended drain intervals

High technical  
performance

- An exceptionally robust synthetic oil film resists oxidation at high temperature which allows extended drain intervals
- Excellent low temperature flow properties insure easy cold starts. Engine components are lubricated quickly reducing wear, hence extending engine life.
- High quality detergents and dispersants keep engine parts clean

### CHARACTERISTICS

TYPICAL TEST PROPERTIES--QUARTZ 9000 Future FGC		
SAE Grade	5W30	0W20
Specific gravity @ 60/60°F	0.853	.850
Viscosity, cSt @ 100°C (ASTM D 445)	10.3	8.3
Viscosity, cSt @ 40°C (ASTM D 445)	56	48
Viscosity Index (ASTM D 2270)	150+	150+
Cold crank simulator, cps @ (ASTM D 5293)	<6,600 @ -30°C	<6,000 @ -35°C
Pour Point, °F (°C) (ASTM D 97)	-33 (-36)	-44 (-42)
NOACK, ( 15 wt% max loss)	Pass	Pass

**TOTAL Specialties USA, Inc.**

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QUARTZ

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This lubricant must be applied as recommended and used for the application for which it was designed. TOTAL Specialties USA, Inc. will have no responsibility for any injury to persons or property resulting from misuse or misapplication of the lubricant. A safety data sheet conforming to the OSHA Hazard Communication Standard 29 CFR Section 1910.1200 can be downloaded at [www.totalspecialties.com](http://www.totalspecialties.com). Copyright 2016 All rights reserved.