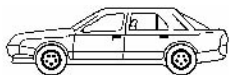


QUARTZ 9000 FUTURE FGC



SAE 5W-30



TOTAL

Synthetic passenger car motor oil with Dexos I approval

APPLICATIONS

All types of service

- **QUARTZ 9000 FUTURE FGC 5W-30 (API SN)** 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 5W-30 (API SN)** 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
Ford WSS-M2C 945-A
GM: 4718M; 6094M

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 FGC 5W30	
Specific gravity @ 60/60°F	0.853
Viscosity, cSt @ 100°C (ASTM D 445)	10.3
Viscosity, cSt @ 40°C (ASTM D 445)	56
Viscosity Index (ASTM D 2270)	150+
Cold crank simulator, cps @ (ASTM D 5293)	<6,600@ -30°C
Pour Point, °F (°C) (ASTM D 97)	-33 (-36)
NOACK, (15 wt% max loss)	Pass

TOTAL Lubricants USA, Inc.

Quartz 9000 FGC 5W-30
API SN/GF-5
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