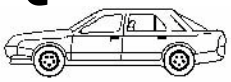
QUARTZ 9000 FUTURE VO



SAE 5W-30

Synthetic passenger car motor oil with European and North American credentials

APPLICATIONS

All types of service

- **QUARTZ 9000 FUTURE VO 5W-30 (API SN)** was developed to meet the most stringent requirements of gasoline engines of domestic and European car makers. It is particularly suited to turbocharged, multi-valve and direct injection engines.
- **QUARTZ 9000 FUTURE VO 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 designed for use in model year 2010 or later, calling for engine oil with both European and North American credentials.

PERFORMANCE

API SN
ACEA A5/B5

Volvo 2013 passenger car requirements
ACEA A5/B5-2010
API SN/CF

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 VO 5W30	
Specific gravity @ 60/60°F	0.852
Viscosity, cSt @ 100°C (ASTM D 445)	10.3
Viscosity, cSt @ 40°C (ASTM D 445)	56
Viscosity Index (ASTM D 2270)	150+
HT/HS, cP minimum (ASTM D4683)	2.9
Cold crank simulator, cps max @ (ASTM D 5293)	<6,600@ -30°C
Pour Point, °F (°C) (ASTM D 97)	-33 (-36)
NOACK, (15 wt% max loss)	Pass

Quartz 9000 FUTURE VO 5W-30
API SN/ACEA A5/B5
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