

QUARTZ 9000 FUTURE GF-5



Synthetic passenger car motor oil

APPLICATIONS

All types of service

- QUARTZ 9000 FUTURE GF-5 is full synthetic premium quality engine oils designed to provide superior all-season protection for gasoline engines.
- QUARTZ 9000 FUTURE GF-5 engine oils meet or exceed most North American and import car manufacturers' warranty requirements for gasoline engines.
- QUARTZ 9000 FUTURE GF-5 SAE engine oils carry the API Certification Mark and meet ILSAC GF-5 Energy Conserving requirements.

PERFORMANCES

API SN and ILSAC GF-5

- Meet or exceed most Asian car manufacturers' warranty requirements for gasoline engines (Honda, Mazda, Mitsubishi, Toyota).
- API SN
- ILSAC GF-5

CUSTOMER BENEFITS

Extended drain intervals
Technologically advance

- Fuel economy
- Extended drain
- Wear reduction
- Excellent low temperature properties
- Easy start-up

CHARACTERISTICS

PROPERTIES	ASTM METHOD	UNITS	QUARTZ 9000 FUTURE GF-5	
			0W20	0W30
Specific Gravity	D1298	-	0.845	0.845
Viscosity at 100°C	D445	mm ² /s	8.5	10.2
Viscosity at 40°C	D445	mm ² /s	45	60
Viscosity Index (min.)	D2270	-	150	150
CCS (max.)	D5293	cP @	5500 @ -35°C	5500 @ -35°C
Flash point COC (min.)	D92	°C (°F)	200 (390)	200 (390)
Pour point (min.)	D97	°C (°F)	-42 (-44)	-42 (-44)
Zinc	D5185	ppm	780	780
Phosphorous	D5185	ppm	850	850
Calcium	D5185	ppm	2260	2260
TBN	D2896	gram	7.8	7.8
Sulfated Ash	D874	wt %	0.93	0.93

The typical characteristics mentioned represent mean values.

TOTAL LUBRICANTS CANADA
220, Lafleur Av
Lasalle (Qc) H8R4C9
1/1

TOTAL QUARTZ 9000 FUTURE GF-5

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This lubricant used in accordance with our recommendations and for the application for which it is intended does not represent a special hazard.

A material safety data sheet conforming to the requirements of Canadian legislation is available from our technical department or our sales representative