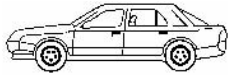


QUARTZ 7000 FUTURE



SAE 5W-20, 5W-30 & 10W-30



Synthetic blend passenger car motor oil with API SM GF-4 credentials

APPLICATIONS

All types of service

- **QUARTZ 7000 FUTURE** multi-grade oils are designed to meet lubrication requirements of today's naturally aspirated, turbo-charged and super-charged gasoline fueled engines.
- **QUARTZ 7000 FUTURE** multi-grade oils are formulated as synthetic blends to provide excellent oxidation stability, low temperature flow properties and enhanced fuel economy. They meet the low volatility requirements of ILSAC GF-4 for improved engine cleanliness and reduced oil consumption.

PERFORMANCE

API SM
and
ILSAC GF-4

OEM PERFORMANCE LEVEL:

FORD WSS-M2C 930-A (5W-20 only)

FORD WSS-M2C 929-A (5W-30 only)

GM 6094M (5W-30&10W-30 only)

Military CID (commercial item description) A-A-52039

CUSTOMER BENEFITS

Increased drain intervals

High technical
performance

- Its higher performance level allows longer drain intervals with fuel economy. Most US car manufacturers recommend 5,000 to 7,000 mile drain intervals in these fuel economy multi-grade oils.
- Enhanced detergents, dispersants, anti-oxidants, anti-wear and corrosion prevention properties improve the fluid performance under all types of service.
- Excellent low temperature flow properties ensuring easy cold starts. Engine components are lubricated quickly giving longer life.

CHARACTERISTICS

PROPERTY	5W-20	5W-30	10W-30
Specific gravity @ 60/60°F	0.865	0.864	0.867
Viscosity, cSt @ 100°C (ASTM D 445)	8.1	10.65	10.50
Viscosity, cSt @ 40°C (ASTM D 445)	5500@ -30°C	6000@ -30°C	6100@ -25°C
Viscosity Index (ASTM D 2270)	49	66	62
Cold crank simulator, cp @ (ASTM D 5293)	140+	150+	150+
Pour Point, °F (°C) (ASTM D 97)	-33 (-36)	-33 (-36)	-22 (-30)
Zinc, ppm	870	870	870
Phosphorous, ppm	780	780	780
Calcium, ppm	1684	1684	1684
NOACK, (15 wt% max loss)	Pass	Pass	Pass

TOTAL Lubricants USA Southwest

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Quartz 7000 Future Oils
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