

Superior Chemistry. Superior Performance.



## 10W-40 Synthetic Blend Motor Oil

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Formulated to exceed API SM performance requirements Mag 1 10W-40 Synthetic Blend Motor Oil is engineered to retain high temperature film thickness that reduces engine wear

Benefits include:

- Includes High Phosphate Retention ZDP for extended wear performance
- Formulated for higher mileage engines

### INSPECTION INFORMATION

### TEST METHOD

### TYPICAL VALUE

Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8715
Viscosity @ 40°C cSt	ASTM D445	89.87
Viscosity @ 100°C cSt	ASTM D445	13.07
Viscosity Index	ASTM D2270	145
Pour Point °C (°F)	ASTM D5950	-42°C (-44°F)
Color	ASTM D 1500	2.5
Cold Cranking Simulator at (°C), cP	ASTM D5293	6032 (-25)
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	4.09
Noack Volatility, % loss	ASTM D 6375	11.7
Calcium, wt. %	ASTM D 5185	0.214
Zinc, wt. %	ASTM D 5185	0.085
Phosphorus, wt. %	ASTM D 5185	0.079
Sulfur, wt. %	ASTM D 4951	0.347
Boron, wt. %	ASTM D 5185	0.023
Molybdenum, wt. %	ASTM D 5185	0.0079
Sulfated Ash, wt. %	ASTM D 874	0.92
Nitrogen, wt. %	ASTM D 4629	0.102
Pumping Viscosity at (°C), cP	ASTM D4684	41,278 (-30)
Shear Stability	ASTM D 6278	12.38
Foam Seq. I (Tendency/Stability), mL	ASTM D 892 (Opt. A)	0/0
Foam Seq. II (Tendency/Stability), mL	ASTM D 892 (Opt. A)	0/0
Foam Seq. III (Tendency/Stability), mL	ASTM D 892 (Opt. A)	0/0
High Temperature Foaming, static foam	ASTM D 6082 (Opt A)	0/0
Gravity, °API	ASTM D287	30.86
TBN, mgKOH/g	ASTM D 2896	7.9

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## CLAIMS INFORMATION

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API SN

Approved

API SM

Meets Requirements

API SL

Meets Requirements