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MAG 1® HIGH MILEAGE SYNTHETIC BLEND 10W-40 MOTOR OIL

HIGH MILEAGE SYNTHETIC BLEND MOTOR OILS PASSENGER CAR MOTOR OIL



MAG 1® High Mileage Synthetic Blend 10W-40 Motor Oil is formulated to extend engine life for vehicles that have already exceeded 75,000. It seals leaks, features superior oxidation stability, and provides extra protection against sludge, deposit buildup, and high temperatures. It also delivers the following benefits:

- Minimizes oil consumption and maximizes power output.
- Resists thermal breakdown and reduces deposit formation for longer, better engine protection than conventional oils.
- Provides a strong film barrier to control friction, resist wear and keep metal surfaces from coming into contact.
- Meets or exceeds U.S. and import car and light truck warranty requirements for all automotive gasoline engines currently in use.

HIGH MILEAGE SYNTHETIC BLEND MOTOR OIL FEATURING **EVOLUTIONARY PERFORMANCE™**

MAG 1 with FMX® Technology – Friction Management for Xtreme protection™ provides these benefits:

PERFORMANCE

Controls friction and wear better than the latest API requirements.¹

- Optimizes engine life for vehicles with more than 75,000 miles. It provides extra protection compared with conventional oils, plus conditions seals to help prevent leaks.
- Engineered to handle the most severe or extreme conditions.

STRENGTH

Provides a strong oil film to avoid metal-to-metal contact, even under extreme stress.

- Unsurpassed wear protection. Advanced molecules bond together to prevent metal-to-metal contact of rotating engine parts.
- Enhanced friction reduction. MAG 1 oils react to heat to produce a critical friction-reducing barrier that protects metal surfaces.²

DURABILITY

Stands up to the heat and shearing so it extends oil life.

- Retains viscosity and prevents thermal breakdown. The oil excels even in the harshest conditions.
- Stands up to the heat and shearing so it extends oil life.

¹ As measured against the Sequence IV Average Cam Wear Limit for API SP.

² To measure friction reduction benefits, engineers used the ball-on-disk traction test.

APPLICATIONS

- Provides performance benefits for higher-mileage passenger cars, light trucks and sport utility vehicles; plus new and rebuilt

engines.

INDUSTRY/OEM SPECIFICATIONS

API SP	Approved
API SJ, SH, SG, SF	Meets Requirements
API SL	Meets Requirements
API SM	Meets Requirements
API SN	Meets Requirements
API SN Plus	Meets Requirements

TYPICAL PROPERTIES

Boron, wt. %	ASTM D5185	0.007
Calcium, wt. %	ASTM D5185	0.119
Cold Cranking Simulator at (°C), cP	ASTM D5293	6716 (-25)
Color	ASTM D1500	3
Flash Point °C	ASTM D92	237
Flash Point °F	ASTM D92	459
Foam Seq. III (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0
Foam Seq. II (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0
Foam Seq. I (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0
Gravity, °API	ASTM D287	31.57
High Temperature Foaming, static foam	ASTM D6082 (Opt A)	20/0
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	3.79
Magnesium, wt. %	ASTM D5185	0.038
Molybdenum, wt. %	ASTM D5185	0.004
Nitrogen, wt. %	ASTM D4629	0.081
Noack Volatility, % loss	ASTM D6375	9.5
Phosphorus, wt. %	ASTM D5185	0.064
Pour Point °C (°F)	ASTM D5950	-39°C (-38°F)
Pumping Viscosity at (°C), cP	ASTM D4684	23,500 (-30)
Shear Stability, Final Viscosity in cSt	ASTM D6278	11.73
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8670
Sulfated Ash, wt. %	ASTM D874	0.712
Sulfur, wt. %	ASTM D4951	0.235
TBN, mgKOH/g	ASTM D2896	7.0
Viscosity @ 100°C cSt	ASTM D445	15.06
Viscosity @ 40°C cSt	ASTM D445	102.7
Viscosity Index	ASTM D2270	154
Zinc, wt. %	ASTM D5185	0.07

CONTAINER/BULK AVAILABILITY

6/1 Quart	Product Number - 64841
3/5 Quart	Product Number - 69893
55 Gallon Drum	Product Number - 00618

Available in Bulk