Mighty Auto Parts Engine Guard

Synthetic Blend Motor Oil

Engine Guard® Synthetic Blend Motor Oils are made with premium quality, high detergent base stocks. Engine Guard® is specially formulated to provide a high viscosity index, utilizing a select additive package that provides outstanding protection against wear, rust, corrosion, oxidative thickening, acid formation, sludge and varnish deposits. Continuous use of Engine Guard® Synthetic Blend motor oil will help increase sludge protection, minimize start-up wear, reduce oil consumption, and reduce the likelihood of low speed pre-ignition. Meets requirements for all gasoline engines where an API SP, SN Plus, SN, SM, SL and ILSAC GF-6A or previous classifications are specified. Consult vehicle owner's manual for manufacturer's recommendations.

Features and Benefits

- *Exceeds ILSAC GF-6A requirements for new cars under warranty*
- *Friction-modified for improved fuel economy*
- *Excellent resistance to viscosity and thermal breakdown at high temperatures*
- *Formulated to protect turbochargers and emission control system catalysts*
- *Formulated for use in vehicles operating on ethanol-containing fuels up to E85*
- *Reduces the occurrence of Low Speed Pre-Ignition (LSPI)*

Mighty

www.MightyAutoParts.com

Industry/OEM Specifications and Licenses

Available Package Sizes

Viscosity	Quarts	Bag N' Box	Drums	Totes	Bulk
0W/20		✔	✔		*
10W/30	✔	✔	✔	✔	*
10W/40	✔	✔	✔	✔	*
20W/50	✔	✔	✔	✔	*
5W/20	✔	✔	✔	✔	*
5W/30	✔	✔	✔	✔	*

EG Synthetic Blend Motor Oil

Typical Properties

Viscosity Grade	0W/20	5W/20	5W/30	10W/30	10W/40	20W/50
Specific Gravity @ 60°	0.847	0.848	0.851	0.852	0.8670	0.8803
Density, lbs/gal @ 60°	7.05	7.06	7.09	7.10		
Boron, wt. %	0.02	0.02	0.02	0.02	0.02	0.02
Calcium, wt. %	0.099	0.099	0.099	0.099	0.099	0.099
Color, ASTM D1500	3.0	3.0	3.0	3.0	3.0	3.0
Flash Point (COC), °C (°F)	229 (444)	229 (444)	235 (455)	232 (450)	237 (459)	240 (464)
Pour Point, °C (°F)	-45 (-49)	-45 (-49)	-45 (-49)	-42 (-44)	-39 (-38)	-30 (-22)
Viscosity, Kinematic						
cSt @ 40°C	46.0	45.4	61.2	63.2	107.3	164.9
cSt 100°C	8.8	8.4	10.9	10.4	14.96	17.76
Viscosity Index	170	154	161	142	153	118
Cold Cranking Viscosity, cP	5,800	5,150	5,500	5,300	6,200	9,244
@ (°F)	(-30)	(-30)	(-30)	(-25)	(-25)	(-15)
High Temp/High Shear Viscosity, cP @ 150°C	2.6	2.6	3.0	3.1	3.99	4.67
Nitrogen, wt %	0.087	0.087	0.087	0.087	0.087	0.087
Magnesium, wt %	0.059	0.059	0.059	0.059	0.059	0.059
Molybdenum, wt. %	0.0079	0.0079	0.0079	0.0079	0.0079	0.0079
Sulfur, wt %	0.3	0.3	0.3	0.3	0.3	0.3
Sulfated Ash, ASTM D874, wt %	0.92	0.92	0.92	0.92	0.92	0.92
Total Base Number (TBN), ASTM D2896	8.0	7.0	7.0	7.0	7.1	7.0
Phosphorus, wt %	0.077	0.077	0.077	0.077	0.077	0.077
Zinc, wt %	0.085	0.085	0.085	0.085	0.085	0.085

Industry/OEM Approvals

Title	0W/20	5W/20	5W/30	10W/30	10W/40	20W/50
ILSAC GF-6A	Approved	Approved	Approved	Approved	Approved	Approved
API SP with Resource Conserving	Approved	Approved	Approved	Approved		
API SP					Approved	Approved
Chrysler MS-6395	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts
GM 4718M	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts
GM6094M	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts
Ford WSS -M2C945-A (SAE 5W/20)	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts
Ford WSS -M2C946-A (SAE 5W-30)	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts
Ford WSS -M2C947-A (SAE 0W-20)	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts	Meets Rqmts

*Check for availability.