



HIGH MILEAGE

SAE 5W-30

SYNTHETIC BLEND MOTOR OIL

MFA OIL EXCEDE High Mileage Synthetic Blend Motor Oil is engineered to provide both the benefits of synthetic base oils and the benefits of additives tailored to the needs of higher mileage engines. Benefits include:

- » Increased protection against high temperature deposits and ring sticking
- » Helps restore seal condition to reduce oil consumption in older engines
- » Formulated to reduce likelihood of Low Speed Pre-Ignition

Meets requirements for all automotive gasoline engines where a SAE 5W-20 and ILSAC GF-6A or previous standards are specified.

ExcedeMotorOils.com



Distributed by: MFA Oil Company • Columbia, MO 65201 • (800) 827-0116 • www.mfaoil.com



PERFORMANCE LEVELS

API SQ, SP, SN PLUS, SL, SM, SN, SJ, SH, SG, SF, SE, SD, SC

Chrysler MS-6395

Ford WSS M2C946-B1, M2C946-A
M2C929-A, WSS M2C961-A1

GM 6094M

ILSAC GF-6A, GF-5, GF-4, GF-3, GF-2, GF-1



Available in Quart and Bulk



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TYPICAL CHARACTERISTICS

*Excede® blends the latest advances in technology with the expertise of a company trusted for more than 90 years. The result is a superior lubricant built to withstand the rigors of life, ensuring you get where you need to go. Excede's exceptional quality is guaranteed through a protection plan, backed by lab testing and proven to exceed the demands of high efficiency and super charged gasoline engines alike. No matter how you drive, what you drive or the conditions you drive in, trust Excede to **Give It Everything**.*

INSPECTION INFORMATION	TEST METHOD	TYPICAL VALUE
Gravity, °API	ASTM D287	
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8577
Flash Point, °C	ASTM D92	220
Flash Point, °F	ASTM D92	428
Viscosity @ 40°C, cSt	ASTM D445	67.62
Viscosity @ 100°C, cSt	ASTM D445	11.3
Viscosity Index	ASTM D2270	161
Pour Point, °C (°F)	ASTM D5950	-45°C (-49°F)
Cold Cranking Simulator at (°C), cP	ASTM D5293	5500 (-30)
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	3.15
Noack Volatility, % loss	ASTM D5800	12
Color	ASTM D1500	3
Zinc, wt. %	ASTM D5185	0.085
Phosphorus, wt. %	ASTM D5185	0.077
Calcium, wt. %	ASTM D5185	0.099
Sulfur, wt. %	ASTM D4951	0.3
Magnesium, wt. %	ASTM D5185	0.059
Boron, wt. %	ASTM D5185	0.02
Molybdenum, wt. %	ASTM D5185	0.0079
Sulfated Ash, wt. %	ASTM D874	0.92
Nitrogen, wt. %	ASTM D4629	0.087
Pumping Viscosity at (°C), cP	ASTM D4684	16,500 (-35)
Shear Stability, Final Viscosity in cSt	ASTM D6278	8.6
Foam Seq. I (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0
Foam Seq. II (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0
Foam Seq. III (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0
High Temperature Foaming, static foam	ASTM D6082 (Opt A)	20/0
TBN, mgKOH/g	ASTM D2896	7