



# SYNTHETIC BLEND MOTOR OILS

MFA OIL EXCEDE Synthetic Blend Motor Oils are made from a premium formulation combining synthetic and conventional base oils and a high performance additive system. This combination provides increased protection from tough driving conditions that put extra stress and demands on your engine. Benefits include:

- » Better low-temperature and high-temperature protection than conventional oils
- » Compatible with leading conventional and synthetic motor oils
- » Formulated to reduce likelihood of Low Speed Pre-Ignition

*Meets requirements for all automotive gasoline engines where a SAE 5W-30 / SAE 5W-20 API SP and ILSAC GF-6A or previous standards are specified.*

[ExcedeMotorOils.com](http://ExcedeMotorOils.com)



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



## PERFORMANCE LEVELS

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

Chrysler MS-10797, MS-6395

Ford WSS M2C945-B1 M2C945-A, M2C930-A, M2C153, WSS M2C960-A1

GM 6094M

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



Available in Quart,  
55 Gal Drum and Bulk



# SAE 5W-30/5W-20

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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	
		SAE 5W-30	SAE 5W-20
Gravity, °API	ASTM D287	33.48	33.48
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8577	0.8577
Flash Point, °C	ASTM D92	220	220
Flash Point, °F	ASTM D92	428	428
Viscosity @ 40°C, cSt	ASTM D445	67.62	51.73
Viscosity @ 100°C, cSt	ASTM D445	11.3	8.933
Viscosity Index	ASTM D2270	161	154
Pour Point, °C (°F)	ASTM D5950	-45°C (-49°F)	-45°C (-49°F)
Cold Cranking Simulator at (°C), cP	ASTM D5293	5500 (-30)	5150 (-30)
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	3.05	2.68
Noack Volatility, % loss	ASTM D5800	12	12
Color	ASTM D1500	3	3
Zinc, wt. %	ASTM D5185	0.085	0.085
Phosphorus, wt. %	ASTM D5185	0.077	0.077
Calcium, wt. %	ASTM D5185	0.099	0.099
Sulfur, wt. %	ASTM D4951	0.3	0.3
Magnesium, wt. %	ASTM D5185	0.059	0.059
Boron, wt. %	ASTM D5185	0.02	0.02
Molybdenum, wt. %	ASTM D5185	0.0079	0.0079
Sulfated Ash, wt. %	ASTM D874	0.92	0.92
Nitrogen, wt. %	ASTM D4629	0.087	0.087
Pumping Viscosity at (°C), cP	ASTM D4684	19,100 (-35)	17,000 (-35)
Shear Stability, Final Viscosity in cSt	ASTM D6278	8.6	7.55
Foam Seq. I (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0
Foam Seq. II (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0
Foam Seq. III (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0
High Temperature Foaming, static foam	ASTM D6082 (Opt A)	20/0	20/0
TBN, mgKOH/g	ASTM D2896	7	7