



FULL SYNTHETIC MOTOR OILS

MFA OIL EXCEDE Full Synthetic Motor Oils are state-of-the-art, advanced technology motor oils which provide a high level of engine protection, even under the most severe operating conditions. They provide outstanding resistance to high temperature oxidation thickening and are formulated to reduce the likelihood of Low Speed Pre-Ignition. An exceptionally high viscosity index minimizes cold weather oil thickening, which greatly reduces battery drain and engine wear, even at subzero start ups. EXCEDE Full Synthetic Motor Oils meet or exceed GM dexos1™ Gen 3 specifications for worldwide requirements for all GM automotive gasoline engines currently in use.

Meets requirements for all automotive gasoline engines where a SAE 5W-30/0W-20 API SP and ILSAC GF-6A or previous standards are specified. dexos1™ Gen 3 supercedes GM6094M and GM4718M.

ExcedeMotorOils.com



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



PERFORMANCE LEVELS

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

Chrysler MS-6395

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

GM 4718M, 6094M

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

5W-30 dexos1™ Gen 3 License #: D330AYDD713, D330AFFH719

0W-20 dexos1™ Gen 3 License #: D330BJDD706, D330BPEB716



Available in Quart,
55 Gal Drum and Bulk



SAE 5W-30/0W-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 0W-20
Gravity, °API	ASTM D287	35.82	35.66
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8457	0.8465
Flash Point, °C	ASTM D92	227	226
Flash Point, °F	ASTM D92	441	439
Viscosity @ 40°C, cSt	ASTM D445	62.09	44.59
Viscosity @ 100°C, cSt	ASTM D445	10.91	8.475
Viscosity Index	ASTM D2270	169	170
Pour Point, °C (°F)	ASTM D5950	-45°C (-49°F)	-45°C (-49°F)
Cold Cranking Simulator at (°C), cP	ASTM D5293	4400 (-30)	5800 (-30)
High Temperature / High Shear Vis at 100°C, cP	ASTM D6616	6.9	5.76
High Temperature / High Shear Vis at 150°C, cP	ASTM D5481	3.2	2.7
Noack Volatility, % loss	ASTM D5800	12	13
Color	ASTM D1500	3	3
Zinc, wt. %	ASTM D5185	0.085	0.085
Phosphorus, wt. %	ASTM D5185	0.076	0.076
Calcium, wt. %	ASTM D5185	0.135	0.135
Sulfur, wt. %	ASTM D4951	0.3	0.3
Magnesium, wt. %	ASTM D5185	0.059	0.059
Boron, wt. %	ASTM D5185	0.023	0.023
Molybdenum, wt. %	ASTM D5185	0.0079	0.0079
Sulfated Ash, wt. %	ASTM D874	0.9	0.9
Nitrogen, wt. %	ASTM D4629	0.104	0.104
Pumping Viscosity at (°C), cP	ASTM D4684	15,000 (-35)	21,000 (-35)
Shear Stability, Final Viscosity in cSt	ASTM D6278	9.4	7.5
Foam Seq. I (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0
Foam Seq. II (Tendency/Stability), mL	ASTM D892 (Opt. A)	10/0	5/0
Foam Seq. III (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0	0/0
High Temperature Foaming, static foam	ASTM D6082 (Opt A)	15/0	20/0
TBN, mgKOH/g	ASTM D2896	7.9	7.9