



Exxon Superflo Ultra ZA Full Synthetic SN Plus/GF-5 Dexos-1 NG Motor Oils

Exxon Superflo Ultra ZA Full Synthetic SN Plus/GF-5 Dexos-1 NG Motor Oils are the latest iteration in protection for your gasoline-fueled GM vehicles. These synthetic motor oils are designed to inhibit LSPI (low speed pre-ignition), an engine event which can cause premature engine wear and in some instances, catastrophic engine failure in GDI (gas direct injected) and turbo-boosted engines. Their formulas of synthetic base stocks and additive system are engineered for turbocharged direct-injected gasoline vehicles operating in low-speed and high-load driving conditions.

Exxon Superflo Ultra ZA Full Synthetic SN Plus/GF-5 Dexos-1 NG Motor Oils are licensed and approved by General Motors, approval numbers 0w20: D130BAAC111 and 5w30: D130AAAC111. These lubricants performance requirements of API SN/SN Plus and ILSAC GF-5 licensing categories and are now recommended against Ford Motor Company's LSPI specifications WSS-M2C947-A and Ford WSS-M2C946-A.

FEATURES & BENEFITS

Exxon Superflo Ultra ZA Full Synthetic SN Plus/GF-5 Dexos-1 NG Motor Oils are formulated to protect against LSPI events. These oils are shear stable, have low volatility resulting in less oil burn off at high temperatures, and contain anti-oxidation and detergency additives. The additive system in these oils supports protection against sludge and varnish, makes them resistant to foaming, corrosion, and thermal breakdown, and helps provide oil film strength for wear protection.

APPLICATIONS

Exxon Superflo Ultra ZA Full Synthetic SN Plus/GF-5 Dexos-1 NG Motor Oils are recommended for all types of modern gasoline-fueled vehicles, including high-performance turbo-charged, supercharged, multi-valve fuel injection and gas direct injected engines found in passenger cars, SUV's, light vans and trucks. These fluids are backward compatible for all GM and Ford vehicles and suitable for a variety of other brand vehicles specifying these viscosity grades. Always refer to your owner's manual for your recommended viscosity grade.

SPECIFICATIONS

- 0W-20:** API SN • ILSAC GF-5 • GM DEXOS1™ GEN 2 • FORD WSS-M2C947-A • FORD WSS-M2C947-B1
 • DAIMIER CHRYSLER MS-6395 • FOREIGN & DOMESTIC VEHICLES SPECIFYING 0W-20, GM VEHICLES PREVIOUSLY REQUIRING DEXOS1® 5W-20
- 5W-30:** API SN • ILSAC GF-5 • GM DEXOS1™ GEN 2 • FORD WSS-M2C946-A • FORD WSS-M2C946-B1
 • DAIMIER CHRYSLER MS-6395 • FOREIGN & DOMESTIC VEHICLES SPECIFYING 5W-30

TYPICAL PROPERTIES	0W-20	5W-30
Dexos1™ Gen 2 License Number	D130BAAC111	D130AAAC111
Viscosity, cSt @ 100°C	8.1	10.9
Viscosity, cSt @ 40°C	42.8	62.1
Viscosity, CCS cP @°C	5450 (-35)	5000 (-30)
Viscosity Index	166	169
High Temp/High Shear Viscosity, cP @150°C	2.6	3.2
Pour Point, °C	-51	-45
Flash Point, °C	227	227
Zinc, Wt. (%)	.085	.085
Calcium, Wt. (%)	.135	.135
Phosphorus, Wt. (%)	.077	.077
NOACK, Wt. (%)	11	12



Exxon Superflo Ultra ZA Full Synthetic SN Plus/GF-5 5W-20

Exxon Superflo Ultra ZA Full Synthetic SN Plus/GF-5 5W-20 is formulated using synthetic base oils.

FEATURES & BENEFITS

Exxon Superflo Ultra ZA Full Synthetic SN Plus/GF-5 5W-20 is formulated for oxidation stability for long product life, low-temperature properties to insure protection during cold starts, low volatility for reduced oil consumption, and resistance to viscosity breakdown. It is specifically designed to inhibit incidents of LSPI (low-speed pre-ignition), an engine event that can cause premature wear or catastrophic failure.

APPLICATIONS

Exxon Superflo Ultra ZA Full Synthetic SN Plus/GF-5 5W-20 meet requirements of ILSAC GF-5 and is recognized as "Resource Conserving".

Exxon Superflo Ultra ZA Full Synthetic SN Plus/GF-5 5W-20 is recommended for Original Equipment Manufacturers (OEM) such as Toyota and Honda, as well as for some hybrid vehicle applications and a limited number of low temperature applications.

SPECIFICATIONS

API SN Plus w/ Resource Conserving • ILSAC GF-5 (excluding SAE 0W-16) • Chrysler MS-6395 • FORD WSS-M2C947-B1, Honda, Toyota TSB EG018-06 • FORD WSS-M2C945-A, WSS-M2C945-B1

TYPICAL PROPERTIES	5W-20
Viscosity, cSt @ 100°C	8.8
Viscosity, cSt @ 40°C	44.0
Viscosity, CCS cP @°C	6,000 (-30)
Viscosity Index	165
Pour Point, °C	-45
Flash Point, °C	225
Zinc, Wt. (%)	0.082
Calcium, Wt. (%)	0.136
Phosphorus, Wt. (%)	0.075



Exxon Superflo Ultra EURO ZA Full Synthetic Motor

Exxon Superflo Ultra EURO ZA Full Synthetic Motor Oils are designed to meet the standards of lubrication for modern naturally aspired, turbo-charged and super-charged engines. Designed for European gasoline and diesel engines, **Exxon Superflo Ultra EURO ZA Full Synthetic** products maintain drain intervals while providing oxidation protection, and low temperature flow properties.

FEATURES & BENEFITS

Exxon Superflo Ultra EURO ZA Full Synthetic Motor Oil products provide engine wear protection by inhibiting the formation of sludge and varnish as well as rust and bearing corrosion. **Exxon Superflo Ultra EURO ZA Full Synthetic Motor Oil** products use synthetic base stocks and additive systems that perform at higher temperatures, while still providing protection during cold starts. They are low volatility oils to help reduce oil consumption.

APPLICATIONS

Exxon Superflo Ultra EURO ZA Full Synthetic Motor Oil products are suitable for use against a wide range of North American and European performance requirements. **Exxon Superflo Ultra EURO ZA Full Synthetic Motor Oil** products are a "reduced SAPS" product designed for modern engines fitted with aftermarket devices to help OEM's comply with environmental emissions legislation. **Exxon Superflo Ultra EURO ZA Full Synthetic Motor Oils** are "full SAPS" products with TBN retention and viscosity increase control essential for extended drain applications.

SPECIFICATIONS

5W-30 EURO: API SL • ACEA A3/B4-12 • MB 229.3 • MB 229.5 • BMW-LL-01 • RENAULT RN 0700
• VW 502.00/505.00

5W-40 EURO: API SN • ACEA A3/B4-12 • MB 229.3 • MB 229.5 • MB 226.5 • BMW-LL-01 • PSA B71 2290
• Porsche A40 • Renault RN 0700/0710 • VW 502.00/505.00

TYPICAL PROPERTIES	5W-30 EURO	5W-40 EURO
Viscosity, cSt @ 100°C	12.1	13.2
Viscosity, CCS cP @ -30°C	5640	5800
Phosphorous, Wt. (%)	0.080	0.093
Zinc, Wt. (%)	0.088	0.102
HTHS cP @ 150°C	3.5	3.7
NOACK, Wt. (%)	10.0	10.0
TBN	8	10



Exxon Superflo Extra ZA Synthetic Blend SN Plus/GF-5 Motor Oils

Exxon Superflo Extra ZA Synthetic Blend SN Plus/GF-5 Motor Oils are formulated using synthetic and Group II base oils plus additive packages. These oils are manufactured to help provide protection against LSPI (Low Speed Pre-Ignition), and engine event that can cause premature wear and, in some instances, catastrophic engine failure. Designed to provide oxidation stability and low temperature properties to ensure protection during cold starts, Exxon Superflo Extra ZA Synthetic Blend SN Plus/GF-5 Motor Oil meets the requirements of ILSAC GF-5 and are "Resource Conserving".

FEATURES & BENEFITS

Exxon Superflo Extra ZA Synthetic Blend SN Plus/GF-5 Motor Oils are formulated to help protect against sludge and engine wear, inhibit secondary cylinder spark occurrences (LSPI), and have detergency to help prevent the formation of harmful deposits. **Exxon Superflo Extra ZA Synthetic Blend SN Plus/GF-5 Motor Oils** contain friction-reducing additives that allow them to be certified as API SN/SN Plus "resource conserving".

APPLICATIONS

Exxon Superflo Extra ZA Synthetic Blend SN Plus/GF-5 Motor Oils are recommended for most all modern passenger cars and light duty trucks and are backwards compatible with most engines. Always refer to your owner's manual for your recommended viscosity grade.

SPECIFICATIONS

API SN, SN Plus, SM, SL, SJ • (SAE 5W-20) FORD WSS-M2C945-A • FORD WSS-M2C945-B1 • (SAE 5W-30) FORD WSS-M2C946-A • FORD WSS-M2C946-B1 • GM 6094M • Chrysler MS 6395 (5W-20, 5W-30, 10W-30)

TYPICAL PROPERTIES	5W-20	5W-30	10W-30
Viscosity, cSt @ 100°C	8.0	9.8	10.3
Viscosity, cSt @ 40°C	47.0	60.7	62.5
Viscosity Index	141	163	158
Pour Point, °C	-41	-41	-41
Flash Point, °C	230	230	230
Zinc, Wt. (%)	0.082	0.082	0.082
Calcium, Wt. (%)	0.136	0.136	0.136
Phosphorus, Wt. (%)	0.075	0.075	0.075



Exxon Superflo High Mileage ZA SN Plus/GF-5 Motor Oils

Exxon Superflo High Mileage ZA Motor Oils are designed to meet lubrication requirements of today's naturally aspirated, turbo-charged, super-charged gasoline engines and ethanol containing fuels up to E85.

FEATURES & BENEFITS

Exxon Superflo High Mileage ZA Motor Oils are formulated with a blend of synthetic and conventional base oils designed for higher mileage vehicles with oxidation stability and seal swell agents to help tighten engine component clearances that may have widened over excess miles causing increased engine wear. These fluids are formulated to provide oxidation stability and low temperature flow properties.

APPLICATIONS

Exxon Superflo High Mileage ZA Motor Oils are designed with higher mileage cars in mind. Additives are utilized to help address common symptoms associated with older vehicles. Exxon Superflo High Mileage ZA motor oils meet the new lower volatility requirements of ILSAC GF-5 to help with engine cleanliness and reduce oil consumption.

SPECIFICATIONS

API SN/SN Plus, SM, SL, SJ • ILSAC GF-5 (5W20, 5W30, 10W30) • Chrysler MS-6395 (5W20, 5W30, 10W30) • Ford WSS-M2C945-A (5W20) • Ford WSS-M2C946-A (5W30) • GM 6904M (5W20, 5W30, 10W30)

TYPICAL PROPERTIES	5W-20	5W-30	10W-30
Viscosity, cSt @ 100°C	8.65	10.63	10.61
Viscosity, cSt @ 40°C	50.5	63.5	70.16
Viscosity, CCS cP @	6100 (-30)	6250 (-30)	6400 (-25)
Viscosity Index	149	158	139
Pour Point, °C	-45	-45	-42
Zinc, Wt. (%)	0.082	0.082	0.082
Phosphorous, Wt. (%)	0.075	0.075	0.075
Calcium, Wt. (%)	0.136	0.136	0.136



Exxon Superflo ATF DM-III ZA

Exxon Superflo ATF DM-III ZA is an automatic transmission fluid designed for electronically controlled transmissions. Exxon Superflo ATF DM-III ZA meets many major U.S. and import car manufacturers' performance requirements. This fluid was once licensed for the now obsolete General Motors DEXRON III H and Ford Mercon requirements. This fluid is suitable for use in applications requiring Ford type CJ and H fluids. It can also be used for off-highway transmissions, power steering, and other hydraulic systems requiring an Allison C-4 fluid. Meets requirements of Allison TES-389. The product also meets the industrial hydraulic oil demands of Denison HFO, Vickers vane and Sundstrand piston pumps.

FEATURES & BENEFITS

Exxon Superflo ATF DM-III ZA is formulated from base oils combined with viscosity index improvers, antioxidants, anti-wear agents, detergents and defoamers. The product contains friction modifiers or lubricity agents to control the transition from full film to thin film lubrication as a vehicle's band and clutches are activated during shifting.

APPLICATIONS

Exxon Superflo ATF DM-III ZA is suitable for make-up and refill in 2005 and earlier General Motors and Ford cars and light trucks. It also is recommended for make-up and refill in older vehicles requiring Mercon Fluid, as well as Fords requiring an M2C138CJ or M2C166H fluid.

TYPICAL PROPERTIES

Viscosity, cSt @ 100°C	7.62
Viscosity, cSt @ 40°C	34.49
Viscosity, cP -40°C	15400
Viscosity Index	175
Flash Point, COC °F	224
Pour Point, °C	-41
Color	Red
API Gravity	30.8
Specific Gravity	0.872



Exxon Superflo Ultra ZA Synthetic Global ATF

Exxon Superflo Ultra ZA Synthetic Global ATF is designed as a full synthetic fluid for use the latest generation of high tech transmissions. Formulated for use in most planetary gear transmissions currently on the road. **Exxon Superflo Ultra ZA Synthetic Global ATF** is a one fluid solution to the segmented automatic transmission market. It meets or exceeds many OEM specifications and help provide protection for driving conditions.

FEATURES & BENEFITS

Exxon Superflo Ultra ZA Synthetic Global ATF has shown performance in friction durability, shear and oxidation stability and provides long service life with foam resistance, minimization of deposits and shift performance. Its fully synthetic formulation helps provide oxidation and thermal stability, low temperature performance, anti-wear protection and torque transfer.

APPLICATIONS

Exxon Superflo Ultra ZA Synthetic Global ATF may be used in many automatic transmission applications including all GM, Ford, Chrysler, Toyota/Lexus, Nissan/Infiniti, and Honda/Acura transmissions, as well as transmissions installed in all Hyundai, Isuzu, Volvo, Jaguar, Kia, Land Rover, Mazda, Mercedes, Mitsubishi, Porsche, BMW, MINI, SAAB, Subaru, Suzuki, and VW/Audi cars and light trucks.

SPECIFICATIONS

Designed for use in most planetary geared automatic transmission. Please consult the application chart for use suitability.

Not for use in CVT, DCT, Type F applications. See Application Chart on page 2 for listing of suitable applications.

*Not for sale in CA

TYPICAL PROPERTIES

Viscosity, cSt @ 100°C	6.3
Viscosity, cSt @ 40°C	32.0
Viscosity, cP -40°C	12,100
Viscosity Index	153
Flash Point, COC °F	204
Pour Point, °C	-50
Phosphorous, %wt.	0.0194

Exxon Superflo Ultra ZA Synthetic Global ATF is suitable for use in the following applications:

OEM/ATF	ATF/Application	Suitable for Use
ATF	ATF Type A - Suffix A	Yes
OEM	Aisin Warner A-1, 3309	Yes
OEM	Allison C-3, C-4	Yes
OEM	Alfa Romero (all vehicles)	Yes
OEM	American Motors ATF +3, +4	Yes
ATF	ATF 3403 M115	Yes
OEM	Audi ZF, 5HP19FL, 5HP24A, LT741141, G-052-162-A1, G-052-162-A2, G-055-006-A2	Yes
OEM	BMW ZF, 5HP18FL, 5HP24, 5HP30, LA2634, 7045E, LT71141, LA2634, M-1375.4 fluids	Yes
OEM	Caterpillar Powershift TO-2	Yes
OEM	Chrysler 7176-E, ATF +3, and ATF +4	Yes
OEM	Daewoo LT71141	Yes
OEM	Esso LT71141	Yes
OEM	Fiat (all vehicles)	Yes
OEM	Ford MERCON®, MERCON®V, MERCON®LV, MERCON®SP, FNR5 (for Mazda), M2C138-CJ, M2C166-H	Yes
OEM	GM 9986195, Strasbourg, 12378515 (Transynd) DEXRON® II, II-E, III, G-III, III-H and VI	Yes
OEM	Honda/Acura ATF ZA, DW-1 (except in CVTs)	Yes
OEM	Hyundai SP-II, SP-III, SP-IV and SPH-IV	Yes
OEM	Idemitsu K17, Jatco 3100 PL085	Yes
OEM	Isuzu (all vehicles)	Yes
OEM	Jaguar M1375.4, ATF 3403 M115	Yes
ATF	JASO 1-A	Yes
OEM	Jeep (ATF +3, ATF +4)	Yes
ATF	JWS 3309	Yes
OEM	Kia SP-II and SP-III fluids, Red 1	Yes
OEM	KIA SP IV	Yes
OEM	Lexus-Type T, T-II, T-III, T-IV	Yes
ATF	MAN 339 F, Type F, V1	Yes
OEM	Mazda M-V, ATF-MIII	Yes
OEM	Mercedes Benz ZF 4HP20, MB 236.1, MB 236.2, MB 236.3 (PSF), MB236.5 (C-4), MB236.6, MB236.7, MB236.8, MB236.9, MB236.10, MB236.12, NAG-1	Yes
OEM	Mini Cooper T-IV	Yes
OEM	Mitsubishi Diamond SP II, SP III	Yes
ATF	Miscellaneous OEM's-M1375.4	Yes
OEM	MOPAR AS68RC ATF	Yes
OEM	Nissan Matic-D, Matic-J, Matic-K, Matic-S	Yes
OEM	Opel (all vehicles)	Yes
OEM	Peugeot ZF 4HP20	Yes
OEM	Porsche ZF 5HP19FL, ATF 3403-M115, T-IV	Yes
OEM	Renault (all vehicles)	Yes
OEM	Saab 93 165 146, 93 165 147, 3309	Yes
OEM	Scion (all vehicles)	Yes
ATF	Shell 3403, 3353, LA2634, M-1375.4	Yes
OEM	Subaru ATF, ATF-HP	Yes
OEM	Suzuki ATF 3317	Yes
ATF	Texaco ETL-7045E, ETL-8072B, N402	Yes
OEM	Toyota/Lexus Type-T, T-II, T-III and T-IV, WS	Yes
ATF	Vickers M-2950-S, I-286-S	Yes
OEM	Voith H55.6335.XX(G607), Turbo, ZF, Ecomat, ZF TE-ML 09/11, ZF TE-ML 03D, 04D, 09, ZF TE-ML, 16L, 17C	Yes
OEM	Volvo 97340, 1161521, 1161540, ZT-IV, STD 1273.41	Yes
OEM	VW TL521-62, G-052-162-A1, A2	Yes
ATF	ZF TE-ML-16L, 17C	Yes