

PROTECTION
LIKE NOTHING
ELSE™



TRIAx SYNERGY ADVANCED SYNTHETICS

FULL SYNTHETIC FRICTION OPTIMIZED & MODIFIED EXTREME
PERFORMANCE ENGINE OILS

12,000 MILES
OF UNMATCHED
DURABILITY
PROTECTION AND
PEACE OF MIND



ADVANCED SYNTHETICS FOR TODAY'S HIGH PERFORMANCE ENGINES

TRIAx Synergy SRT engine oils are state-of-the-art high performance full synthetic engine oils, designed to provide outstanding performance and protection in all driving conditions and tailored to meet even the highest expectations from professional mechanics and consumers alike. These oils are formulated with 100% synthetic base oils blended with our CRP technology additive system and High Phosphate Retention ZDDP for outstanding wear and friction reduction for overall excellent performance. Synergy engine oils are built on OEM and API approved platforms but have been heavily modified to deliver substantially higher performance level on all fronts when compared to commercially available lubricants. All these products contain our proprietary CRP (Continuously Regenerative Plating) technology with Molybdenum and other proprietary additives and surpass every OEM and API standard set for these types of engine oils.

TRIAx Synergy engine oils meet and exceed the latest and most stringent requirements from Ford, Honda, Opel and General Motors Dexos 2® engine oil specifications and include many tests which are not included in current industry standards.

In TRIAx Synergy Advanced lubricants, virtually everything has been amplified: oxidation resistance, friction characteristics, viscosity stability, thermal stability, shear stability, soot control and engine cleanliness to deliver outstanding performance, all the time, every time.

APPLICATIONS

TRIAx Synergy SRT (Advanced Synthetics) are designed for turbocharged and supercharged, naturally aspirated, gasoline and select diesel power high performance US, Asian and some European engines. These lubricants are primarily designed for General Motors, Ford, Opel, Chrysler vehicles and any other vehicles which require the respective specifications / SAE Viscosity grades. TRIAx Synergy engine oils are all low ash lubricants and will protect catalytic converters, EGRs and other emissions control systems.

PERFORMANCE SUMMARY

- Eliminates the need for adding after-market boosters and additives. Contains perfectly balanced advanced additive system
- Excellent long term engine protection for all critical engine parts such as cams, tappets, valves, crankshaft, bearings, turbo-charges and everything else.
- Exceptional viscosity stability and flow performance
- Dramatically improved overall engine performance
- Substantial oil oxidation reduction, preventing thickening, oil aging and maintaining protection
- Improved thermal stability and viscosity control for long drain intervals, exceeding 12,000 miles
- Extreme oxidation stability - will not carbonize and turn to ash / sludge on the turbo-chargers and super-charger bearings
- Active plating on engine parts with an extremely resilient, regenerative layering
- Heavily friction optimized and modified for superb protection
- State-of-the-art detergent system and dispersants to keep your engine clean
- Up to 15,000 miles drain intervals standard. Even long drains are possible with good maintenance practices and oil analysis.



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PRODUCT SPECIFICATIONS

5W-30	API SN, SM, SL, CF, GM dexos1™ Gen 2, ILSAC GF-5, ACEA A1-12/A5-12, Ford WSS-M2C946-A, Ford WSS-M2C929-A, Ford ESR-M2C129-B, Ford WSS-M2C153-A, Ford WSS-M2C205-A, Ford WSS-M2C913-B, Chrysler MS-6395, GM 6094M, GM-LL-A-025, GM 4718M, Honda/Acura HTO-06
5W-20	API SN, SM, SL, CF, ILSAC GF-5, GM dexos1™ Gen 2, ACEA A1-12/A5-12, Ford WSS-M2C930-A, Ford WSS-M2C945-A, Ford WSS-M2C913-A, Ford WSS-M2C153-H, Ford WSS-M2C153-G, Ford WSS-M2C153-F, Ford ESE-M2C153-E, GM 6094M, GM 4718M, GM-LL-A-025, Chrysler MS-6395
0W-20	API SN, SM, SL, CF, ILSAC GF-5, GM dexos1™ Gen 2, ACEA A1-12/A5-12, Ford WSS-M2C947-A, GM 6094M, GM-LL-A-025, GM 4718M
10W-40	API SN / CF - Designed primarily for high mileage vehicles which need additional protection against wear, oil consumption and leaks.

PERFORMANCE CHARACTERISTICS

	OEM Specification Requirements Dexos 2 / ILSAC GF-5	TRIAX Synergy Advanced Synthetics	
EXCELLENT PISTON CLEALINESS	Seq. IIG (WPD) TU5JP (Ring Sticking) TU5JP (PistonVarnish)	15% better 12% better 16% better	Helps maintain compression, prevent blow-by and maintains engine power
EXCELLENT PROTECTION AGAINST SLUDGE	Seq. VG: AES RCS M271SL	20.48% better 23.52% better 21.16% better	Keeps engine parts clean and free of sludge & power robbing deposits
EXTREME WEAR PROTECTION	Seq. IVA Opel RNT - CAM WEAR Opel RNT - TAPPET WEAR TU3MS - Valve Train Wear	86% wear reduction vs spec 80% wear reduction vs spec Zero Cam Wear - 100% reduction 30% Reduction	14 90 1 5 0 2 7 10 Significantly improves engine life and reduces parts costs over the life of the vehicle
PROTECTION AGAINST OIL THICKENING	Seq. IIG (Vis. Increase) Opel OP1 (Vis. Increase)	88% decrease vs spec 83% decrease vs spec	Prevents oil thickening and maintains oil flow to critical engine parts.
BEARING PROTECTION / WEAR REDUCTION	Seq.VIII - Bearing Weight Loss	38% decrease	16% 26% Protection of rotating bearings and increasing engine life
FUEL ECONOMY	Seq.VI FEI Sum	17% better than spec 2.4 % vs Spec 1.9%	Increases performance in fuel economy
STOCHASTIC PRE-IGNITION CONTROL	GM LSPI (Low Speed Pre-Ignition)	0, 0, 0, 0, 0 - Zero Events	Preventing / Mitigating Low Speed Pre-Ignition (which causes severe engine damage)
TURBOCHARGER DEPOSIT PROECTION	GMTC deposit TCO Temp. Increase Avg. WPD	57.75% less deposits vs spec	5.5 13 Maintains rapid oil flow to critical engine parts

HEALTH AND SAFETY INFORMATION

This product will not pose a safety hazard if good standards of personal and professional hygiene are maintain. Avoid contact with skin or eyes. If contact with used motor oil is imminent, use gloves impervious to oil. If skin contact occurs, wash immediately with soap and water. If eye contact occurs flush thoroughly with plenty of water. If irritation or redness persist. see a doctor immediately. DO NOT SWALLOW product or permit contact with food or materials which may come in contact with food or drink.

DO NOT DUMP THIS PRODUCT OR USED MOTOR OIL DOWN THE DRAIN, ON SOIL OR WATER. TAKE OIL TO A COLLECTION FACILITY SUCH AS GARAGE OR NEARBY OIL CHANGE BUSINESS.



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PERFORMANCE CHARACTERISTICS

Criteria Information	Test Method	5W-30	5W-20	0W-20	10W-40
Gravity, °API	ASTM D287	34.15	34.74	35.56	34.11
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8542	0.8512	0.847	0.8544
Viscosity @ 40°C cSt	ASTM D445	63.95	50.93	43	92.34
Viscosity @ 100°C cSt	ASTM D445	10.93	8.835	8.272	14.46
Pour Point °C (°F)	ASTM D5950	-45°C (-49°F)	-45°C (-49°F)	-45°C (-49°F)	-42°C (-44°F)
Flash Point °C (°F)	ASTM D92	233 °C (450°C)	233 °C (450°C)	233 °C (450°C)	236 °C (457°C)
Viscosity Index	ASTM D2270	169	153	171	163
Cold Cranking Simulator at (°C), cP	ASTM D5293	5100 (-30)	5100 (-30)	5200 (-35)	4300 (-35)
High Temperature / High Shear Vis at 100°C, cP	ASTM D6616	7.15	6.30	5.7	
High Temperature / High Shear Vis at 150°C, cP	ASTM5481	3.20	2.50	3.25	4.02
Noack Volatility, % loss	ASTM D6375	8.5	8.5	8.5	6.7
Color	ASTM D1500	2.50	2.50	2.50	3
Zinc, wt. %	ASTM D5185	0.085	0.085	0.085	0.085
Phosphorus, wt. %	ASTM D5185	0.079	0.079	0.079	0.077
Calcium, wt. %	ASTM D5185	0.214	0.214	0.214	0.19
Sulfur, wt. %	ASTM D4951	0.252	0.252	0.306	0.30
Boron, wt. %	ASTM D5185	0.023	0.023	0.023	0.018
Molybdenum ppm	ASTM D5185	159	192	175	175
Sulfated Ash, wt. %	ASTM D874	0.92	0.92	0.92	0.92
Nitrogen, wt. %	ASTM D4629	0.102	0.102	0.102	0.084
Pumping Viscosity at (°C), cP	ASTM D4684	18,400 (-35)	14,282 (-35)	21,000 (-40)	23,000 (-30)
TBN, mgKOH/g	ASTM D2896	9	9	9	9

There may be small variations in these numbers which do not affect performance. Small variations are a normal part of the manufacturing process.



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