



N914RG STING CARBON
AMATEUR-BUILT
AIRCRAFT LOG BOOK

This logbook was developed to meet the special requirements of the amateur-built airplane. It provides for entries not found in "standard" logbooks and deletes others not applicable to recreational aircraft.

Original Design by Peter M. Bowers

Sold exclusively by:

THE EXPERIMENTAL AIRCRAFT ASSOCIATION

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Revised 1998.

AIRCRAFT SUPPLY & SPECIALTY CO.

PO: 381378 LOT: 30-12918



P/N: 13-16500

LOC: 21JH

192590001

EAA AMATEUR BUILT A/C LOG

AMATEUR-BUILT AIRPLANE

MAKE & MODEL

String Carbon RG

Serial No.

TL45A104914

Registration No.

N914RG

DESCRIPTION

Carbon Composite, 2 Place, Tricycle

Wing Span

27'-8"

Wing Area

105.6 SF

Length

20'-4"

Empty Weight

851 lbs.

Gross Weight

1,430 lbs

Limiting Speed (Vne)

168 KTS

Built By:

White Trusky

Date

Original Design By:

TL Ultralight+

Built From Plans By:

TL Ultralight+

CONSTRUCTION MATERIALS

WINGS:

Spars Carbon Fiber Composite - 1/4 inch

FUSELAGE:

Longerons _____ Formers _____

Firewall _____ Stringers _____ Cover _____

TAIL:

Spars _____ Ribs _____ Cover _____

LANDING GEAR:

Legs _____ Axles _____ Wheels _____

EXTERNAL BRACING: STRUTS _____

WIRES _____

FINISHES

Finish Dope or Paint _____

Metal Finish (Skin) _____

SERVICING INFORMATION

93 Oct

Fuel Grade

Auto Fuel

Gallons _____

Type & Grade Engine Oil _____

Brake Fluid _____

Oleo Fluid _____

N/A

Tire Pressure _____

25 psi

FAA APPROVAL

APPROVED FOR FLIGHT

PERMANENT
AIRWORTHINESS
CERTIFICATE ISSUED

Date	Inspector
2-21-04	J. Murphy PART 91520250
Date	Builder Sign Phase I Completed
4-07-04	[Signature]

91.319 Endorsement I CERTIFY THAT THE PRESCRIBED TEST FLIGHT HOURS HAVE BEEN COMPLETED AND THE AIRCRAFT IS CONTROLABLE THROUGHOUT THE NORMAL RANGE OF SPEEDS AND MANEUVERS TO BE ENCOUNTERED, HAS NO HAZARDOUS OPERATING CHARACTERISTICS OR DESIGN FEATURES, AND IS SAFE FOR OPERATION. THE FOLLOWING OPERATING DATA HAS BEEN DEMONSTRATED DURING FLIGHT TESTING: V_{SO} ; V_X ; V_Y ALL @ 1430lbs. 35K 60K 70K

ENGINE CHANGES

Date _____	Make & Model _____	Serial No. _____	H.P. _____
Date _____	Make & Model _____	Serial No. _____	H.P. _____
Date _____	Make & Model _____	Serial No. _____	H.P. _____

MISCELLANEOUS MODIFICATIONS (With Dates)

CHANGES OF OWNERSHIP

Date _____	Sold To _____
Date _____	Sold To _____
Date _____	Sold To _____
Date _____	Sold To _____

PILOTS CHECKED OUT IN THIS AIRPLANE

No.	Date	Name	License No.
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NO 14RG

Date: 01/03/2010

Hobbs: 58.1

Aircraft opened for inspection. Checked all pulleys, bellcranks, etc. Checked for proper operation all flight controls. Inspected landing gear and brake lining. Checked ELT for proper operation as per 91.207, d, battery expiration date 03/2010. I certify that this aircraft has been inspected in accordance with the scope and detail of Appendix D to part 43 on this date and is found to be in a condition for safe operation

DeWitt Barker

DeWitt Barker 436801226 A&P/IA

Date	From	To	Hours	Min.	Pilot
INITIAL AIRWORTHINESS CERTIFICATE ISSUED:					
03-04	OIL CHANGE & FILTER		25.1		
10-04	CANALIZATION OF PUMP 1		40.2		
11-04	EXCHANGE OIL & FILTER CHARGE		57.0		
22-05	Annual Inspection				
			Total Forward		
			Total to Date		

Total Forward

Total to Date

REMARKS

2-21-04 Aircraft inspected - Ground conducted special
airworthiness certificate with Phase 1 and Phase 2
polishing limitation.

J F Murphy
CFR 91.503a 5D

INTER OIL CHANGE, FILTER CLEAN

~~Phase 1~~ ~~Completed~~, ~~ENTER~~ ~~PHASE 2~~

~~FILTER OK, OK.~~

22 MAR 05 - THIS IS TO CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED

I.A.W. A CHECKLIST CONTAINING THE SCOPE + DETAIL OF

FAR. PART 43, APPENDIX D, AND WAS FOUND TO BE IN A
CONDITION FOR SAFE OPERATION. ELT CHECKED I.A.W.

FAR PART 91.207 PARA D. *[Signature]* AP 2783027

Date	From	To	Hours	Min.	Pilot
3-22-2005	Engine Oil and Filter change V				
9-9-2004	Annual Inspection		67.2		
11 Oct 2007	Annual Inspection		68.4		
Total Forward					
Total to Date					

REMARKS

22-March-2005 changed oil and oil filter IAW Rotax maintenance manual. (cleaned and Reoiled K and N air filter IAW K and N air filter recharge kit. Sent out oil for oil analysis. Mark Miller Oswald Smith 2728961 —
9 September 06 This is to certify that this aircraft has been inspected I.A.W. a check list containing the scope and detail of FAR 43, Appendix D, and was found to be in condition for safe operation. ELT checked and batteries replaced I.A.W. FAR 91.207 (c) and (d).
— Ah S ML 3083293 —
11 Oct 2007 changed oil and filter and Cadant IAW Rotax maintenance manual Sent out oil for oil Analysis, And a Condition inspection This is to certify that this aircraft has been inspected IAW a check list containing the scope and detail of FAR 43, Appendix D, and was found to be in condition for safe operation. ELT checked IAW FAR 91.207 (c) and (d)
Mark Miller Oswald Smith 2728961 A+P

[illegible]

43

REMARKS

N914RG

5/21/2010

HOBBS: 059.9

Pitot static system found inop due to high pressure damage. Removed all pitot static system gauges: Airspeed, Altimeter, VSI and Dynon EFIS 100321-000 S/N 004277. Shipped Dynon to factory for repair. Installed overhauled Altimeter s/n 12002-0105, Installed new VSI, new Airspeed indicator and new VSI. Test system-found 1700ft/min leak- Removed and installed new UMA VSI, found several leaks in hoses and fittings-repaired all. Installed repaired Dynon 10032- found airspeed and alt. functions with incorrect readings- Removed and returned faulty unit to Dynon- Installed warranty repaired Dynon 100321 s/n 5148.- all ops normal. Repaired pitot leak in left pitot mast connection. Tested Pitot Static system leak check as per FAR 23.1325.


Harris Byrd Mapoles Jr. 3284998 A&P

Date	From	To	Hours	Min.	Pilot
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Date: 6/6/2013
Tach: 83.5
TT: 83.5

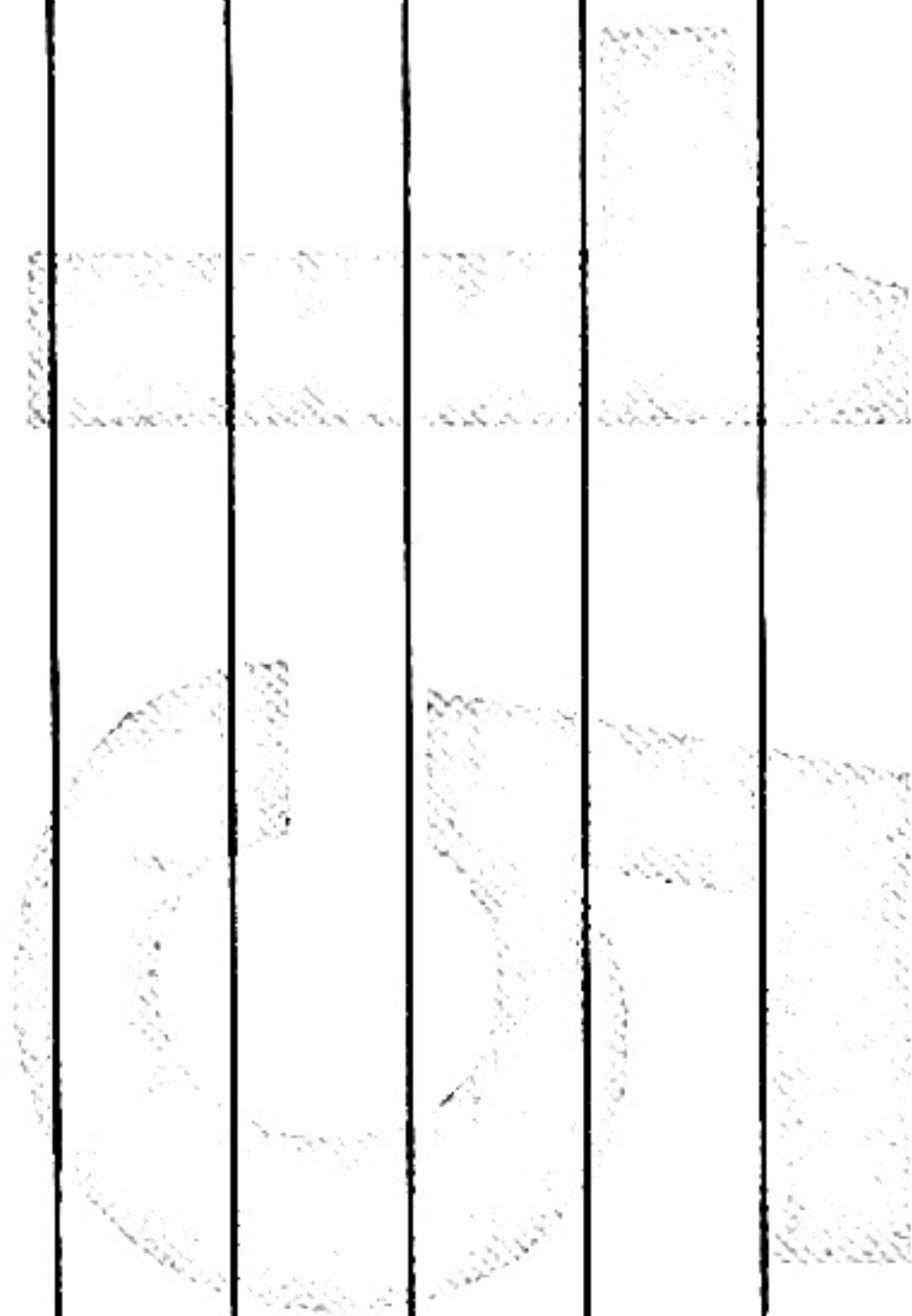
Aircraft opened for inspection. Lubed all pulleys, bellcranks, etc. Checked for proper operation all flight controls. Inspected landing gear and brake.
I certify that this aircraft has been inspected in accordance with the scope & detail of FAR 43 appendix D and was determined to be in airworthy condition.

Robert Giglio
Robert Giglio 2186611 A&P

MAINTENANCE RECORD			
28-April-2022	Page 1 of 1		N914RG Serial #TLUSA 104914
Aircraft Total 92 3	Hobbs 72 4	Engine Make - TL-2000	
Engine TSN TCU Module time 117 36	EFIS meter 92 3	Model Sung Carbon	
Engine TSMO N/A	Engine Serial# 4418549	Propeller Serial No	
Work Order(s)	21 10 26		

The below listed items were accomplished in accordance with approved or acceptable data as applicable Details are on file under the above work order number(s)
[21.10.26] Main fuel tank in aircraft N914RG exhibited delamination and degradation of the tank lining to the extent of fuel contamination and fuel flow obstruction due to Ethanol storage. Removed (cut out) top of tank (cockpit floor). Ground, scraped and cleaned existing coatings to surface of existing structure. Laminated a single layer of fiberglass with resin coating to entire tank to seal and provide a new contact surface. Installed a 45-degree stiff structural resin flox-mix to obtain a structural fit on all edges of tank and closing plates. Laminated a perimeter 1" lip seal to top of tank edges to support 2 tank cover plates. All coatings were mixed in small batches and applied to obtain good bond with surrounding edges. Applied first coat of recommended Ethanol resistant fuel sealant Master Bond Polymer System EP41S-1 on interior tank surfaces including lip seal and tank cover plates. Maintained samples for later testing. Heat cured first coating to attain stability and seal surfaces. After recommended time for complete cure, applied second coat of EP41S-1 over entire interior surfaces of aircraft tank, and cover plates. Samples created for later testing. Cut threads for tank drain and installed quick drain sample device. Installed center anti-fuel movement baffle ring on tank floor. Installed left and right tank cover plates using sealant at all 45 degree edges. Installed heat controlled temperature to cure all interior surfaces of tank. Installed fuel pickup and float device. Filled tank with auto fuel (without Ethanol) and static leak tested for 24 hours.

REMARKS



Date

From

To

Hours

Min.

Pilot

MAINTENANCE RECORD

28-April-2022

Page 1 of 1

N914RG Serial #TLUSA 104914

Aircraft Total 923

Hobbs

72.4

Engine Make - TL-2000

Engine TSN TCU Module time 117 36

EFIS meter 92.3

Model Sung Carbon

Engine TSMO N/A

Engine Serial# 4418549

Propeller Serial No

Work Order(s) 21 10 26 / 22 01 27

The below listed items were accomplished in accordance with approved or acceptable data as applicable. Details are on file under the above work order number(s).

[22.01.27] -Aircraft opened for annual condition inspection. Cleaned fuel filter, cleaned air filter, changed oil Aeroshell sport 4 plus, ELT SN 3318 batteries Replaced

Due 05- 2025 ELT function test per FAR 91.207 appendix D inspection for function and G-limit switch -Compression check 1)79/80 2)79/80 3)79/80

4)79/80-mag plug check. OK -gearbox friction torque check 36ftlbs. Wings lubed and checked and installed. Installed SB171228 : Chute Safety cables to

existing Parachute retention lines.

New emergency gas struts installed; Gear swing check performed. Emergency extension performed. All performed well. Replaced main tank drain valve/

PN05-01869 Carburetor clean and re-rubber 999-521

Ship battery replaced PN: EXT9

[22.01.27] Installed ADS-B out Unit GDL-82 SN: 4PF009035 with GPS GA 35 SN: 209787, Powered with Transponder Circuit breaker per the

installation manual Configured per aircraft. Tested with GDL 39 ADS-B conformity report. Passed.

Installed GDL-52on back deck for ADS-B in Receiver. Wired to GPS Aera 760 that was installed on center instruments panel surface mount after

removing GPS 295 unit. Powered with existing GPS circuit breaker.

-See fuel tank service Log entry dated same date.

-Closed aircraft up after inspection.

I certify that this aircraft has been inspected on April 28, 2022 in accordance with FAR 43 appendix D and the Manufacturer's maintenance manual

Annual Condition inspection checklist manual and was found to be in a condition for safe operation.

Signed

SportairUSA

8222 Remount Road

North Little Rock, AR 72118

TL factory designated repair technician and signature authorization

Maintenance Director, Mark Miller

Rotax RFSC#120002160206-1483

501-228-7777

MAINTENANCE RECORD

28-April-2022

Page 1 of 1

N914RG Serial #TLUSA 104914

Aircraft Total 923

Hobbs

72.4

Engine Make - TL-2000

Engine TSN TCU Module time 117 36

EFIS meter 92.3

Model Sung Carbon

Engine TSMO N/A

Engine Serial# 4418549

Propeller Serial No

Work Order(s) 22 01 27

The below listed items were accomplished in accordance with approved or acceptable data as applicable. Details are on file under the above work order number(s).

[22.01.27] Transponder check in accordance with, FAR 91.413 and FAR 43 appendix F

Garmin Transponder GTX 320 SN 83501738

GDL-82 Unit SN 4PF009035

A satisfactory ground test of the ADS-B OUT system was completed using a Garmin Pilot App and a Garmin GDL 39. The ground test checked for proper configuration and the equipment performance requirements. The installed ADS-B OUT system has shown to meet the equipment requirements of 14 CFR 91.227

Signed

SportairUSA

8222 Remount Road

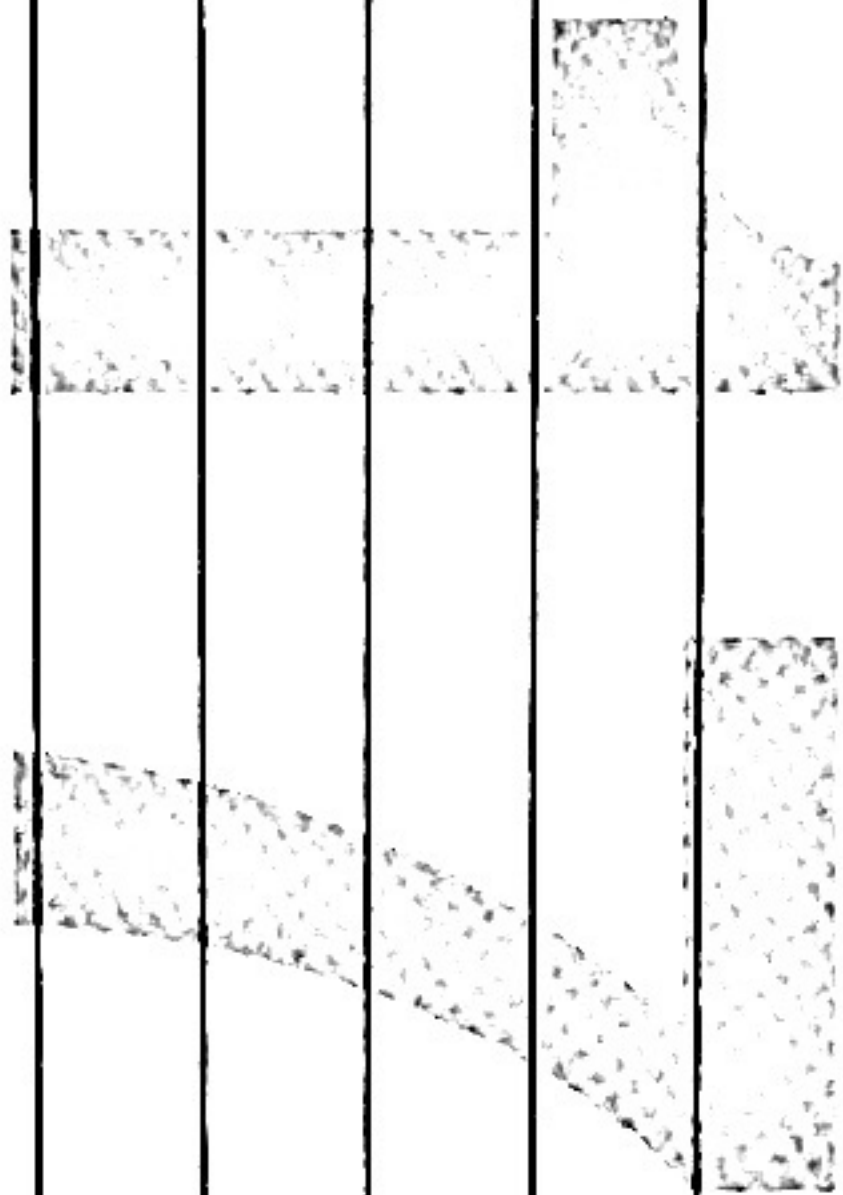
North Little Rock, AR 72118

Mark Miller

FAA CRS 2SUR495B

Repairman 3537593

REMARKS



REMARKS

Removed both landing gear actuators and inspected / tested on bench. Replaced nose gear actuator, 141060-11301220. Main gear actuator no problem. Sliding test landing gear. Emergency release tested.

Jose A Cerveto

3446141



Pilot / Owner

Date	From	To	Hours	Min.	Pilot
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MFG	Trusty Mike
MODEL	Sting RG
A/C S/N	TLUSA104914
A/C N #	N914RG

Steiner Aviation International, Inc.
5430 Lauby Rd.
North Canton, Ohio 44720
CRS V4NR896Y
Airframe Logbook Entry

DATE: 01SEP2022
WO #: 14510
T.T.
T.L. N/A

Removed existing transponder (GTX 320 p/n: 011-00259-10, s/n: 83501738) and encoder (Narco AR-850 s/n: 82014) and replaced with a serviceable transponder (GTX 327 p/n: 011-00490-00, s/n: 83713606) and a new encoder (SSD120-30N-RS232, s/n: 29846). Installation preformed IAW Garmin GTX 327 Installation Manual 190-00187-02 Rev. S and Trans-Cal Model SSD-120-(XX)N-RS232 Owner/Installation Manual Document No. 882189 Rev. G. Operation check of transponder and encoder are within tolerance at this time.

MAINTENANCE RELEASE

The aircraft or appliance identified above was repaired and / or inspected in accordance with current regulations of the Federal Aviation agency and is approved for return to service. Pertinent details of the repair are on File at this repair station under

Work Order Number 14510

DATE 01SEP2022 Time

Signed 
Steiner Aviation International, Inc. V4NR896Y
5430 Lauby Rd. North Canton, Ohio 44720

[illegible]

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REMARKS

CLASSIC



1969 Lost Nation Road, Willoughby, OH 44094

440.942.7092

CRS# 8CLR151N

JET CENTER
CRS# 8CLR151N

Reg#: N914RG

Date: 12/09/2022

WO#: LNN-22-3448

Make: Trusty Mike

Model: Sting RG

S/N: TLUSA104914

Tach: 153.6

Verified operation of #2 fuel pump as per customer request – no defects noted

Re-terminated #2 ignition module pick-up wire due to broken wire – Op's checked good

Re-terminated #4 EGT probe wire due to chafe through insulation – Op's checked good

All work completed IAW AC43.13-1B

Pertinent information on file at Classic Jet Center on WO# 3448

I certify this aircraft has been repaired/inspected IAW current FAA regulations, found airworthy, and is approved for return to service for the work performed.

Steven Dowling CRS# 8CLR151N

MAINTENANCE RECORD

Page 1 of 1

15-May-2023			
Aircraft Total 177 1	Hobbs	157 1	N914RG Serial #TLUSA 104914
Engine TSN 177 1	EFIS meter	177 1	Engine Make - TL-2000
Engine TSMO	N/A		Model Sing Carbon
Work Order(s)	23 04 21	Engine Serial# 4418549	Propeller Serial No RT 253 3 blade electric adjust

The below listed items were accomplished in accordance with approved or acceptable data as applicable. Details are on file under the above work order number(s).

[23 04 21] Main fuel tank in aircraft N914RG showed fuel seepage in bottom skin. Near fuel drain valve. Drained fuel. Grinded and sanded into skin surface to determine extent of seepage. Dried out area and filled area with structural resin floc-mix to obtain a structural and fill cavity. Sanded and then applied two layers of carbon diagonally over patch area. All coatings were mixed in small batches and applied to obtain good bond with surrounding edges. Applied a coat of recommended Ethanol resistant fuel sealant Master Bond Polymer System EP41S-1 over patch area surfaces. Heat cured first coating to attain stability and seal surfaces. Waited recommended time for complete cure. Installed new quick drain. Refilled fuel tank. And test ran engine.

Signed Mark Miller

SportairUSA
8222 Remount Road
North Little Rock, AR 72118

TL factory designated repair technician and signature authorization

FAA CRS 2SUR495B
Mark Miller Repairman 3537593
Rotax RFSC#120002160206-1483

MAINTENANCE RECORD

Page 1 of 1

15-May-2023			
Aircraft Total 177 1	Hobbs	157 1	N914RG Serial #TLUSA 104914
Engine TSN 177 1	EFIS meter	177 1	Engine Make - TL-2000
Engine TSMO	N/A		Model Sing Carbon
Work Order(s)	23 04 21	Engine Serial# 4418549	Propeller Serial No RT253 3 blade electric adjust

The below listed items were accomplished in accordance with approved or acceptable data as applicable. Details are on file under the above work order number(s).

[23 04 21] -Aircraft opened for annual condition inspection. Cleaned fuel filter, replaced with new K&N air filter RU-0810, changed oil Aeroshell sport 4 plus, ELT check 1)79/80 2)79/80 3)79/80 4)79/80-mag plug check. OK - gearbox friction torque check 36ftlbs.

Removed propeller to install customer supplied replacement prop spinner and backing plate. Installed backing plate and spinner, reinstalled prop. Dynamically balance prop and engine with Dyna-vibe unit. Added a total of 25 grams of balance weight.

Replaced Main landing gear Motor with customer supplied motor unit. Wired Nose and Main gear motor with a light to indicated Power at motor and motor should be in motion. Does not interfere with already installed position switches or lights. Two lights were added to instrument panel to show motor power/transition

Gear swing check performed. Emergency extension performed. Reset emergency extension and performed swing test again. All performed well. Replaced main tank drain valve/ PN05-01869

-Closed aircraft up after inspection.

I certify that this aircraft has been inspected on May 15, 2023 in accordance with FAR 43 appendix D and the Manufacturer's maintenance manual. Annual condition inspection checklist manual and was found to be in a condition for safe operation.

Signed Mark Miller
SportairUSA
8222 Remount Road
North Little Rock, AR 72118

TL factory designated repair technician and signature authorization FAA CRS 2SUR495B

501-228-7777

Mark Miller Repairman 3537593
Rotax RFSC#120002160206-1483