TB 30 Epsilon

N759F

SN: 133

(7-AEA-PHL-FSDO@faa.gov)

1. Registered Owner (as shown on Certificate of Aircraft Registration)

Name:	Address:
SILVER FOX AVIATION LLC	[redacted] BEAR, DE 19791 Telephone Number: [redacted]

2. Aircraft Description

a. Registration Mark:	b. Aircraft Builder Name (Make)	c. Year Mfg.
N759F	SOCTA	1985
d. Aircraft Serial No.	**e. Aircraft Model Designation**	
133	TB-30 EPSILON	
f. Aircraft's home base	**g. Name of the person responsible for the operation and maintenance of the aircraft**	
KILG	Operation Name: SILVER FOX AVIATION LLC Maintenance Name: VOLTIGE LLC	

3. The estimated time or number of flights

140 hrs of flight time is estimated.

4. List the airshows, motion picture, television, and similar productions in which the aircraft is to be Exhibited/Raced.

	Name of Event	Location and State	Month
1	PRS	Reno, NV	June
2	EAA AirVenture	Oshkosh, WI	July
3	KESN Wings & Wheels	Easton, MD	September
4	KLOM Wings & Wheels	Blue Bell, PA	September

5. Describe the geographical areas in which the flights are to be conducted

Areas not densely populated within the continental USA (except for arrival / departure; takeoff / landing).

Date	Name & Title (Print or Type)	Signature
1 June 2023	JEFF MEASAMER	[redacted]

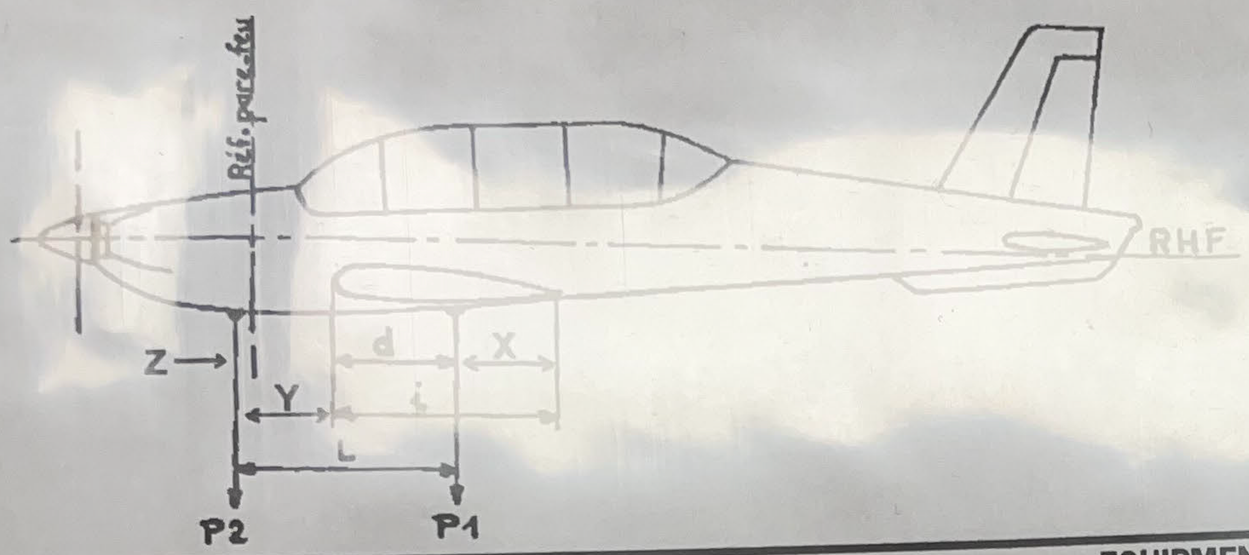
WEIGHT AND BALANCE UPDATE

SA Aero Design

DATE	WORK ORDER	SA Aero Design LLC
5-Jan-22	21-1026	KILG Airport - West Tees HGR #2
AIRCRAFT	**LAST W&B**	**Mailing address:**
SOCATA TB-30 EPSILON SN: 133 N759F	2/17/2021	[redacted] Hockessin, DE 19707 [redacted]

PREVIOUS EMPTY WEIGHT (LBS) 2068.00

PREV. EMPTY C.G. %MAC 20.11%



STATION REFERENCE	ARM (mm)	ARM (in)
NOSE JACK POINT (P2)	-40	-1.57
MAIN JACK POINT (P1)	1377	54.21
P1 - P2 DIST (L)	1417	55.79
LEADING EDGE TO P1 (D)	766	30.16
M.A.C. (I)	1250	49.21
0% LEMAC (P2+Y)	611	24.06
100% TEMAC (Y+I)	1861	73.27

PREVIOUS W&B		EQUIPMENT CHANGES		NEW CALCULATION	
EMPTY WT (kg)	938.03	TOTAL WT CHG (kg)	9.09	NEW EMPTY WT. (kg)	947.12
MOMENT (M/kg)	808.93	NET MOMENT (M/kg)	42.61	NEW MOMENT (M/kg)	851.54
LEMAC - C.G. (mm)	251.38	EFFECT ON C.G. (mm)	20.74	NEW LEMAC C.G. (mm)	272.12
P2 - C.G. (P2+Y+CG)mm	862.38	-C.G.=FWD +C.G.=AFT		NEW C.G. (mm)	883.12
%C.G.	20.11%			NEW %C.G.	21.77%
EMPTY WT (lbs)	2068.00	TOTAL WT CHG (lbs)	20.05	NEW EMPTY WT. (lbs)	2088.05
MOMENT (in.lbs)	70212.27	NET MOMENT (in.lbs)	2385.95	NEW MOMENT (in.lbs)	72598.22
LEMAC - C.G. (in)	9.90	EFFECT ON C.G. (in)	0.82	NEW LEMAC C.G. (in)	10.71
P2 - C.G. (P2+Y+CG)In.	33.95	-C.G.=FWD +C.G.=AFT		NEW C.G. (in)	34.77
%C.G.	20.11%			NEW %C.G.	21.77%

EQUIPMENT	DESCRIPTION	WEIGHT (lbs)	ARM (in)	MOMENT (in.lbs)
REMOVED				
TOTAL REMOVED		0.00		0.00
INSTALLED				
Smoke System	Empty System	20.05	119.00	2385.95
TOTAL INSTALLED		20.05		2385.95

PERFORMED BY: [redacted] Thomas J. Smith CERT A&P [redacted] I.A. DATE 5-Jan-22

THE **adlog**™ AIRCRAFT MAINTENANCE RECORDKEEPING SYSTEM

AIRFRAME MAINTENANCE RECORDS

Page No._____

TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		TOTAL brought forward from previous page

SOCATA TB-30 EPSILON S/N: 133 N759F

A/C T.T. Hrs: 7660.2 Hobbs: 68.5

SA Aero Design

AIRFRAME LOG BOOK ENTRY

Work Order No:21-1026

Page 1 of 1

(1) COMPLIED WITH THE FOLLOWING AIRCRAFT INSPECTIONS:

CODE #	DESCRIPTION
VED-CI-1 REV "1"	TB-30 EPSILON 100 HOUR / ANNUAL INSPECTION - PER CHECKLIST REVISION 06/11/20

(2) COMPLIED WITH THE FOLLOWING UPGRADES / ALTERATIONS:

CODE #	DESCRIPTION
SA-79-100 SM	INSTALLED SA AERO DESIGN SMOKE SYSTEM - SEE DWG SA30-79-100 FOR PARTS

(3) COMPLIED WITH THE FOLLOWING AIRCRAFT MAINTENANCE TASKS:

CODE #	DESCRIPTION
VED-CI-1	100 HOUR / 12 MONTH MAINTENANCE ITEMS - LUBRICATION AND TEST OF FLIGHT CONTROLS, LANDING GEAR, SYSTEMS - FOUND SATISFACTORY
TB30 W&B	UPDATED WEIGHT AND BALANCE - REF FORM SA03 DATED 05-JAN-22. NEW EMPTY WEIGHT 2088 LBS, EMPTY CG 21.77% MAC
FAA 91.207	12 MONTH ELT INSPECTION AND TEST. FOUND SATISFACTORY BATTERY REPLACEMENT DUE - 11/2025

I certify that this aircraft identified above was inspected in accordance with an Annual Condition Inspection per the scope and detail of 14CFR 43 Appendix D and the VoltigeLLC Inspection checklist, and was found to be in a condition for safe operation.

The article identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is certified to be airworthy with respect to work performed. This article is approved for return to service. Details of work performed can be found on file under the above Work Order.

SIGNED [redacted] CERTIFICATE A&P [redacted] I.A. DATE 5-Jan-22

Thomas J. Smith

SA AERO DESIGN LLC

[redacted]

Hockessin, DE 19707

Replaced Nose gear Uplock Micro Switch with a Serviceable unit. Ops check Satisfactory.

[redacted] I/P [redacted]

SOCATA TB-30 EPSILON S/N: 133 N759F **Work O**

A/C T.T. Hrs: 7730.7 Hobbs: 139.0

SA Aero Design

AIRFRAME LOG BOOK ENTRY

(1) COMPLIED WITH THE FOLLOWING AIRCRAFT INSPECTIONS:

CODE #	DESCRIPTION
VED-CI-1 REV "1"	TB-30 EPSILON 100 HOUR / ANNUAL INSPECTION - PER CHECKLIST REVISION 06/11/20

(2) COMPLIED WITH THE FOLLOWING AIRCRAFT MAINTENANCE TASKS:

CODE #	DESCRIPTION
VED-CI-1	100 HOUR / 12 MONTH MAINTENANCE ITEMS - LUBRICATION AND TEST OF FLIGHT CONTROLS, LANDING GEAR, SYSTEMS - FOU
FAA 91.207	12 MONTH ELT INSPECTION AND TEST. FOUND SATISFACTORY BATTERY REPLACEMENT DUE - 11/2025
MISC.	REPLACED SEVERAL FWD FUSELAGE LOWER RIVETS

I certify that this aircraft identified above was inspected in accordance with an Annual Condition Inspection per the scope and detail of 14CFR 43 Appendix D and the VoltigeLLC found to be in a condition for safe operation.

The article identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is certified to be airworthy with respect to work performed. T to service. Details of work performed can be found in file under the above Work Order.

SIGNED [redacted] CERTIFICATE A&P [redacted] I.A. DATE 2/25/23

Thomas J. Smith

SA AERO DESIGN LLC
[redacted]
Hockessin, DE 19707

[redacted]

THE **adlog**™

AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

ENGINE MAINTENANCE RECORDS

SOCATA TB-30 EPSILON S/N: 133 N759F

LYCOMING AEIO-540-L1B5D S/N: L-22475-48A

SA Aero Design

Work Order No:23-1066

ENGINE LOG BOOK ENTRY

A/C T.T. HRS: 7730.7 HOBBS: 139 ENG: 1310.3 SMOH

(1) COMPLIED WITH OR DETERMINED THE STATUS OF THE FOLLOWING AIRWORTHINESS DIRECTIVES:

AD	DESCRIPTION
AA	ENIGNE AIRWORTHINESS DIRECTIVES CHECKED THRU WEEK OF 2023-03
FAA	AD 2015-19-07FUEL INJECTOR LINES AND CLAMPS

(2) COMPLIED WITH THE FOLLOWING ENGINE INSPECTIONS:

CODE #	DESCRIPTION
VED-CI-1 REV "1"	TB-30 EPSILON 100 HOUR / ANNUAL INSPECTION - PER CHECKLIST REVISION 08/22/20 COMPRESSIONS #1-74/80 #2-73/80 #3-77/80 #4-77/80 #5-77/80 #6-77/80
LYC 50HR	LYCOMING AEIO-540 50 HOUR INSPECTION
LYC 100HR	LYCOMING AEIO-540 100 HOUR INSPECTION
OIL SERV.	DRAINED AND REPLENISHED OIL WITH 10 QTS OF VICTORY 20W-50. Filter CH48103-1 NEXT OIL CHANGE / FILTER / SCREEN SERVICE DUE - 189.0 HRS HOBBS.

(3) REPLACED THE FOLLOWING MISC. PARTS

COMPONENT	DESCRIPTION
MISC.	REPLACED ALL 6 ROCKER COVER GASKETS WITH NEW SILICONE GASKETS.

I certify that this aircraft identified above was inspected in accordance with an Annual Condition Inspection per the scope and detail of 14CFR 43 Appendix D and the VoltigeLLC Inspection checklist, and was found to be in a condition for safe operation.

The article identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is certified to be airworthy with respect to work performed. This article is approved for return to service. Details of work performed can be found on file under the above Work Order.

SIGNED [redacted] CERTIFICATE A&P [redacted] I.A. DATE 2/25/23

Thomas J. Smith

SA AERO DESIGN LLC

[redacted]

Hockessin, DE 19707

[redacted]

THE adlog™ AIRCRAFT MAINTENANCE RECORDKEEPING SYSTEM

PROPELLER MAINTENANCE RECORDS

SOCATA TB-30 EPSILON S/N: 133 N759F

LYCOMING AEIO-540-L1B5D S/N: L-22475-48A

HARTZELL HC-C2YR-4CF S/N: AU10561B

Work Order No: 23-1066

PROPELLOR LOG BOOK ENTRY

A/C T.T. HRS: 7730.7 HOBBS: 139 ENG: 1310.3 SMOH PROP: 982.8 SMOH

(1) COMPLIED WITH OR DETERMINED THE STATUS OF THE FOLLOWING AIRWORTHINESS DIRECTIVES:

AD	DESCRIPTION
FAA	PROPELLOR AIRWORTHINESS DIRECTIVES CHECKED THRU WEEK OF 2023-03; NO APPLICABLE RECURRING OR NEW AD'S FOUND DUE AT THIS TIME.

(2) COMPLIED WITH THE FOLLOWING ENGINE INSPECTIONS:

CODE #	DESCRIPTION
VED-CI-1 REV "-"	TB-30 EPSILON 100 HOUR / ANNUAL INSPECTION - PER CHECKLIST REVISION 06/2020
HARZELL-100	HARTZELL HC-C2YR PROPELLOR 100HR INSPECTION PER 115N

I certify that this aircraft identified above was inspected in accordance with an Annual Condition Inspection per the scope and detail of 14CFR 43 Appendix D and the VoltigeLLC Inspection checklist, and was found to be in a condition for safe operation.

The article identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is certified to be airworthy with respect to work performed. This article is approved for return to service. Details of work performed can be found on file under the above Work Order.

SIGNED [redacted] CERTIFICATE A&P [redacted] I.A. DATE 2/25/23

Thomas J. Smith

SA AERO DESIGN LLC

[redacted]

Hockessin, DE 19707

[redacted]