



Experimental Aircraft Airframe Logbook

Logbook No. 1
Beginning Date 3-20-14
Ending Date: _____

Owner: _____
Address: _____
City: Casabella State: FL Zip: 32322
Phone: _____
Pilot Certification Type: Private Pilot
Certificate No. _____

©2012 Experimental Aircraft Association | EAA.org

Initial Condition Inspection

I certify that this aircraft has been inspected in accordance with the scope and detail of appendix D to Part 43 and has been found to be in a condition for safe operation.

Owner's Signature: _____, owner Date: 3/3/2014

FAA Airworthiness Inspection

I find that this aircraft, N5435X, SN 0543, meets the requirements for the certificate requested and I have issued a Special Airworthiness certificate for operating Amateur-Built (Aircraft) and Limitations dated 4/11/2014. Next inspection due 4/15.

DARF _____

VICTOR F. SYRACUSE

Flight Testing Completion Endorsement Example

The following is an example showing the endorsement statement used to document completion of phase 1 flight testing in accordance with experimental amateur-built aircraft operating limitations assigned by the FAA at the time of airworthiness certificate issuance.

I certify that the prescribed flight test hours have been completed and the aircraft is controllable throughout its normal range of speeds and throughout all maneuvers to be executed, has no hazardous characteristics or design features, and is safe for operation. The following aircraft operating data has been demonstrated during the flight testing: speeds V_{so} _____, V_x _____, and V_y _____, and the weight _____, and CG location _____ at which they were obtained.

Name: GREGORY W NEUMAN

Signature: _____

Certificate No.: _____

Type of Certificate: Private Pilot

Date: 3/7/15

Aircraft Time in Service: 42.4 hrs



NOTE: Check your aircraft's operating limitation's for the exact verbiage, as it may differ from what is shown here. You must use the verbiage found in your aircraft's operating limitations.

Condition Inspection Completion Endorsement Example

The following is an example showing the endorsement statement used to document completion of the required annual condition inspection in accordance with experimental amateur-built aircraft operating limitations assigned by the FAA at the time of airworthiness certificate issuance.

I certify that this aircraft has been inspected on 4/7/15 in accordance with the scope and detail of 14 CFR part 43, appendix D, and was found to be in a condition for safe operation.

Name: GREGORY W Newman

Signature: [Redacted]

Certificate N: [Redacted]

Type of Certificate: Private Pilot Builder

Date: 4/7/15

Aircraft Time in Service: 43.3



NOTE: Check your aircraft's operating limitation's for the exact verbiage, as it may differ from what is shown here. You must use the verbiage found in your aircraft's operating limitations.

Engine Record General Information

Manufacturer AERO CONVERSIONS, INC Model AERO VEE 2180 Engine Kit

Serial 0226 Type Certificate _____

This engine is currently installed in aircraft N6645X Sonex

Minimum Octane Fuel _____ Oil Grade: Summer _____ Winter _____

Magneto Time FIXED 0.28° BTDC Point Setting MODULE GAP 0.014 Firing Order 1-4-3-2

Spark Plug Gap TOP - 0.018" Bottom - 0.032"

Manufacturer recommended overhaul at _____ hours

Name _____ Address _____

City _____ State _____ From _____ To _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

Name _____ Address _____

City _____ State _____ From _____ To _____

City _____ State _____ From _____ To _____

YEAR: 07 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10/1/07	78.2		78.2	I certify that I have inspected this engine IAW FAR Part 43 Appendix D and found it to be in a condition for safe flight. Changed oil; adjusted valves; replaced CHT and EGT sensors.
				K.D. Ross AEP [redacted]

[illegible]

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Rep Facility. (See back pages for other specific entries.)
				N664SX Total Hours 123.0 1. Installed new sonex breather fitting and new 5052 aluminum breather tube segment from breather fitting through baffling. 2. Torqued heads, set valve clearance at 0.006 - 0.008. 3. Replaced spark plugs with new and torqued. 4. Checked compression: <u>#1 78/80 24 78/80</u> <u>#3 78/80 #2 78/80</u> 5. Torqued valve covers. 6. Torqued prop bolts. 7. Drained oil, cleaned screen, and installed 2.75 qts of Mobile 1 (15W50). 8. Replaced oil bottom plate and fasteners with new. 9. Replaced valve covers with new covers and fasteners. 10. Replaced all fuel and oil flexible lines with new lines.
				   JAN 15 2011

[illegible]

[illegible]

[illegible]

YEAR: 4/6/15 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4/6/15	24.42		159.44	Drain oil clean screen and install 2.75 q/s Valve V21 20050 [REDACTED] Builder
4/5/15	55.45		190.49	Drain oil clean screen and installed 2.75 ^{q/s} Valve 50W [REDACTED] Builder owner
6/1/16				Remove engine for Rebuilding Replaced Bearings and Rings. install MGL Engine Monitoring system and install [REDACTED] Builder

YEAR: 2016 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8			74.00	Remove engine disassemble replace Engine Case With New case New oil pump New Bearings & Rings Reassemble and install. [Redacted] Builder
9/3		0.5	0.0	Test fly found OK [Redacted]
10/6/17		0.3	14.4	Changed oil add 2.75 qts 20-50 VR1 installed service oil separator and ducted cooling air over oil cooler Tested OK [Redacted] Builder

[illegible]



Propeller/Rotor Logbook

Logbook No. 1
Beginning Date: 3. 2014
Ending Date: _____

Owner: _____

Address: _____

City: Cannabille State: IL Zip: 32322

Phone: _____

Pilot Certification Type: Private Pilot

Certificate No. _____

Record of Ownership

City: <u>Carroll</u> State: <u>IL</u> Zip: <u>32322</u> Date Purchased: <u>12/43</u> Date Sold: _____	Owner: _____ Address: _____ City: _____ State: _____ Zip: _____ Date Purchased: _____ Date Sold: _____
Owner: _____ Address: _____ City: _____ State: _____ Zip: _____ Date Purchased: _____ Date Sold: _____	Owner: _____ Address: _____ City: _____ State: _____ Zip: _____ Date Purchased: _____ Date Sold: _____
Owner: _____ Address: _____ City: _____ State: _____ Zip: _____ Date Purchased: _____ Date Sold: _____	Owner: _____ Address: _____ City: _____ State: _____ Zip: _____ Date Purchased: _____ Date Sold: _____

Propeller/Rotor Data

Manufacturer: PRINCE Address: _____
Model: P-71P City: _____ State: _____ Zip: _____
Serial No.: 5074P54BT42K Length: _____
Date of Manufacture: 2014 Pitch: _____

Variable Pitch Propellers

Blade S/N: _____ Hub S/N: _____
Weight: _____ Type: ☐ Metal ☐ Wood ☐ Composite

Manufacturer: _____ Address: _____
Model: _____ City: _____ State: _____ Zip: _____
Serial No.: _____ Length: _____
Date of Manufacture: _____ Pitch: _____

Variable Pitch Propellers

Blade S/N: _____ Hub S/N: _____
Weight: _____ Type: ☐ Metal ☐ Wood ☐ Composite

Propeller/Rotor History

Engine Type: Aere Vec 2180
 Engine Serial No.: 0226
 Position (Mult-engine): _____

Aircraft Make and Model: SoiVex
 Aircraft Registration No.: N543 SX
 Date Installed: 3/5/14

YEAR <u>14</u>		PROP TIME	ENGINE TACH TIME	DESCRIPTION OF INSPECTIONS, REPAIRS AND ALTERATONS
MONTH	DAY			
<u>3</u>	<u>5</u>	<u>0</u>	<u>0</u>	<u>Installed Prop</u>