

N109CT



The Standard

AIRCRAFT LOG

ACA-347

11/9/23 Tach Time:384.4 Total Time:~~655.6~~ 658.5

Airplane weighed and new weight and balance recorded. Weight and balance sheet updated and POH amended to show the change.

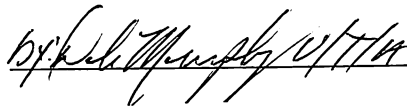
Signed: 

Owner/LSRI-Carl Mattison-4800974

YI Make: FLIGHT DESIGN GMBH Reg: N109CT SN: 04-12-05 Page 1 of 1

— Date: 04/18/2024 Model: CTSW Tach: 694.1 Aircraft Total Time: 694.1 ETTSN: 694.1

D, Airframe: Lubed all flight controls and hinges. Inspected all control, Inspected wheel assemblies and brakes. Tied loose BRS
— Risers. Checked torque of horizontal stabilator. Performed ground run and operational check of systems. Work with reference to
— Flight Design CTSW Flight & Maintenance Manual and 43 Appendix D. : I certify that this aircraft has been inspected on
— 04/18/2024 in accordance with the scope and detail of appendix D to part 43 and was found to be in a condition for safe
— operation.

by:  VTTA

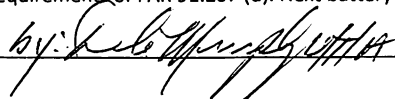
AP227863044

n or Repair

— Make: FLIGHT DESIGN GMBH Reg: N109CT SN: 04-12-05 Page 1 of 1

— Date: 04/18/2024 Model: CTSW Tach: 694.1 Aircraft Total Time: 694.1

— Airframe: ELT, Inspected and tested the ELT system in this aircraft according to applicable Aircraft and ELT manufactures
— instructions, and applicable FAA guidance and found it meets the requirements of FAR 91.207 (d). Next battery replacement due
— by: NOV 2027.

by:  VTTA

AP227863044

400 274.1

YEAR: 2011 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.)
7/29/2011	347.9		622.0	Inspect Airframe & Propeller IAW 43.13 and manufacturer's maintenance manuals. Lubed all hinges, rod ends, cables, pivot points, Locking mechanisms. C/W S/N-ASTM-CTSW-03 Upper Rudder Wing insp, no defects noted. C/W SB-ASTM-CTSW-01-Radiator Isolator mounts. No defects noted. C/W SB-ASTM-CTSW-02 Landing gear insp - no defects, next due at 922.0 or Hard Landing on 07/2012. C/W SB-ASTM-CTSW-06 Fuel Filter replaced insp'd element, no dirt present, reassembled & lck chkd. Removed ELT, replaced Batteries, ^{for} Reinstated Performed checkout IAW 91.207(d) reinstalled elt. Batteries Next Due Mar 2012. I certify that this Airframe & Propeller are in an airworthy condition and are returned to service. <u>Frederic N Grooms</u> <u>Frederic N Grooms</u> ATP 2856488 IAW an yearly conditional inspection <u>FWB</u>
9/15/11				Replaced Right mlg tube assy. IAW PD Master manual <u>Frederic N Grooms</u> ATP 2856488.

YEAR: 2012 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.)
3-30-12				Replaced RH Tube assembly. Inflated both MLC-Tires to 35 psi (Inflation pressure on Tires). <u>Frederic N Grooms</u> ATP 2856488
8-15-12				Inspect Airframe & Propeller IAW 43.13 and manufacturer's maintenance manuals. Lubed all hinges, rod ends, cables, pivot points & locking mechanisms. C/W all applicable Service's Guidelines. Inspected & flt & performed operational checkout IAW 91.207(d) I certify that this airframe & propeller are in an airworthy condition and returned to service. IAW annual conditional inspection <u>Frederic N Grooms</u> ATP 2856488
6-15-23				Removed wings for browned Transportation Inspected and re installed wings IAW flight design maintenance manual Installed new wing root fuel hoses <u>DR Rouse</u> 2856064 ATP

Hillsdale Aero
3998 state Rd.
Hillsdale, MI 49242

YEAR:

DATE

10/1/09 N109CT SN:04-12-05 Tach:190.6 TT:461.7
Replaced nose tire, and tube with a new 400-4 tire, and a new tube, inflated to 29psi. Leak check good at this time. All work done per flight design service manual.


Gene Ray Stout A&P 2734041

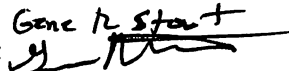
Engine Log Book Entry

Date: 12/3

Engine Time:

Installed the TAS100 preheater system, S/N 39860 in accordance with Tanis Aircraft Services instructions and drawing NO. 131 LH

Name:



A & P#: 2734041

or Repair

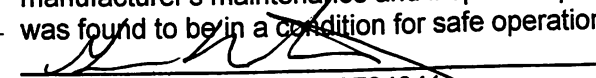
YEAR:

DATE

HILLSDALE AERO
3998 STATE RD
HILLSDALE MI 49242

Repair

4/23/2010 N109CT SN:04-12-05 HOBBS:276.9 AFTT:551.0
Installed a firewall blanket. Repaired air box, and replaced rubber engine mounts. Repaired both seats, and left wheel pant. Inspected ELT in accordance with FAR91.207, ELT battery due replacement 3/2013. I certify that this aircraft has been inspected in accordance with the manufacturer's maintenance and inspection procedures, for a yearly conditional inspection, and was found to be in a condition for safe operation.


GENE RAY STOUT A&P 2734041

10/15/10	335.6	609.7	Replaced Radiator shock mounts w/new mounts from Flight Design USA. Re positioned oil + coolant hoses to relieve preloads on both radiators. Ran up engine - no leaks noted. All maint TAN Flight Design Maint Mahood / service bulletins. A/cft returned to service - Frederic N Grooms A&P 2856488
11/10/11	338.1	612.2	Replaced Battery with Odyssey PC310 DOM 22 JUL 10 Frederic N Grooms A&P 2856488

HILLSDALE AERO
3998 STATE RD.
HILLSDALE, MI 49242

YEA

DAT

06/25/09 N109CT SN:04-12-05 HOBBS:79.3 TT:353.4
Replaced right main tire PN:400-6, and tube with new. Leak check good at this time. All work done per Flight Design CTSW service manual.


Gene Ray Stout A&P 2734041

Hillsdale Aero
3998 state Rd.
Hillsdale, MI 49242

09/08/09 N109CT SN:04-12-05 Tach:163.8 TT:437.9
Replaced left main tire with a new 400-6 tire and inflated to 29psi. Leak check good at this time. All work done per flight design service manual.


Gene Ray Stout A&P 2734041

in or Repair

YEAR:

DATE

09/23/09 N109CT SN:04-12-05 Tach:180.4 TT:454.4
Inspected ELT in accordance with FAR91.207 D, battery due replacement 03/2010. certify that this aircraft has been inspected in accordance with a 100hr conditional inspection, in accordance with the manufacturer maintenance and inspection procedures, and was found to be in a condition for safe operation.

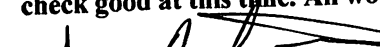

Gene Ray Stout A&P 2734041

Hillsdale Aero
3998 state Rd.
Hillsdale, MI 49242

pair

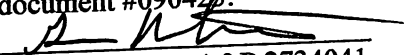
Hillsdale Aero
3998 state Rd.
Hillsdale, MI 49242

10/1/09 N109CT SN:04-12-05 Tach:183.6 TT:457.7
Replaced both main tire with a new 400-6 tire, and a new tube in the left main, inflated to 29psi. Leak check good at this time. All work done per flight design service manual.


Gene Ray Stout A&P 2734041

HILLSDALE AERO
3998 STATE RD.
HILLSDALE, MI 49242

04/14/09 N109CT SN:04-12-05 TACH:0.0 TT:274.1
Removed Flydat engine monitor and installed UMA oil pressure gauge PN:OP2681, oil temp gauge PN:OT957, volt meter PN: VM1500, cylinder head temp gauge PN: CT954, and tachometer PN:TU5339. Remove CHT and oil temp probes and installed new probes PN:965-530. Removed oil pressure sender and installed a new sender PN:956-357. Fabricated a new right side instrument panel using 0.040 aluminum. All modifications approved by Flight Design see document #090428.


Gene Ray Stout A&P 2734041

Repair

YEAR:

DATE

HILLSDALE AERO
3998 STATE RD.
HILLSDALE, MI 49242

Repair

06/11/09 N109CT SN:04-12-05 HOBBS:54.3 TT:328.4
I certify that this aircraft has been inspected in accordance with the manufacturers maintenance and inspection procedures, and was found to be in a condition for safe operation.


Gene Ray Stout A&P 2734041

HILLSDALE AERO
3998 STATE RD.
HILLSDALE, MI 49242

06/17/09 N109CT SN:04-12-05 HOBBS:68.8 TT:342.9
Complied with SB-ASTM-CTSW-06 by installing a new fuel filter and metal hose segment. Ops and leak check good at this time. All work done per service bulletin.


Gene Ray Stout A&P 2734041

Page 10

DATE _____

Hillsdale Aero
3998 state Rd.
Hillsdale, MI 49242

08/10/08	N109CT	SN:04-12-05	Tach:180.0	TT:180.0
----------	--------	-------------	------------	----------

I certify that this aircraft has been inspected in accordance with the manufacturer's maintenance and inspection procedures, and was found to be in a condition for safe operation

Gene Ray Stout A&P 2734041

Hillsdale Aero
3998 state Rd.
Hillsdale, MI 49242

11/14/08 N109CT MN: ROTAX 912ULS SN:56-44-295 Tach:226.2 TTSN:226.2

Removed both carburetors disassembled, cleaned, and installed a new seal kit PN:999-520 from Leading Edge Airfoils. Reinstalled and synchronized. Ops and leak check good at this time. All work done in accordance with Rotax service manual.


Gene Ray Stout A&P 2734041

YEAR:

DATE _____

HILLSDALE AERO
3998 STATE RD.
HILLSDALE, MI 49242

```
{repair
```

03/11/09 N109CT SN:04-12-05 HOBBS:252.1 TT:252.1

Installed an alum cover and reinstalled headset jacks. Lubricated both door latches. Lubricated elevator controls and elevator. Adjusted baggage door latches. Adjusted prop pitch. All work was done, in accordance with Flight Design Maintenance and Inspection Manual.

Gene Ray Stout A&P 2734041

[illegible]

YEAR: 2006 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.)
4/25	93.8		93.8	(From previous) LUBED ALL Hinges, Control Rods, Bearings. REPLACED LANDING LIGHT w/ PHILIPS 6643. <i>[Signature]</i> AQP 449510790
4/25	93.8		93.8	I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL CONDITION INSPECTION IT WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION <i>[Signature]</i> AQP 449510740

YEAR: 2006 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.)
7/17	137.6		137.6	Removed + Replaced left main tube P.N.- 4.00x6. Serviced brake reservoir w/ 5606. All work accomplished IAW Flight design service manual. Martin Kolbe AQP-3041308 <i>[Signature]</i>

YEAR: 05 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.)
6-8	45		47.5	CHANGE OIL + FILTER - CASTROL GTX 50 10W30 CHANGE OIL PRESSURE SWITCH Tom Gutmann
6-9	47.5	2.4	49.9	HARVEY YOUNG - BOWLAND
6-11	49.9	.7	50.6	LCL
6-15	50.6	.7	51.3	LCL
6-18	51.3	1.0	52.3	LCL
6-22	52.3	1.3	53.6	LCL
6-26	John Koh			Inspected radiator rubber mounts - upper - left is broken / Tech Advice #9 Replaced Mount John Koh

YEAR: 2006 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.)
4/25	93.8		93.8	COMPLIED WITH FLIGHT DESIGNING SAFETY DIRECTIVE #8 BY RETORQUE MOTOR MOUNT BOLTS TO 26' LBS. COMPLIED W/ SERVICE DIRECTIVE #9 - REPLACEMENT OF RADIATOR MOUNTS. COMPLIED W/ SERVICE DIRECTIVE #10 INSPECTION OF MAIN LANDING GEAR SPRING - NO DEFECTS NOTED AT THIS TIME - DUE TO AM @ ARRIVAL, 300 HRS. OR HARD LANDING WHICH WERE PLUGS FIRST REPAIRED AIR BOX & AXLE VALVE. INSTALLED REMOTE MOUNT COMPASS BELOW GEAR SHIELD, PERFORMED COMPASS SWITCH & INSTALLED DIRECTION GYRO, FABRICATED BRASS PLATED MOUNT FOR GPS. PERFORMED INSPECTION IN ACCORDANCE W/ CT-LSA MAINTENANCE CHECK LIST, CHECKED CONTROL SURFACE TRIM,

[illegible]

YEAR: 05 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.)
4-07	2.1		2.1	THIS AIRCRAFT HAS NOTHING INSTALLED THAT THE F.A.A. CAN ISSUE AN AD AGAINST Tom Gutmann, Airtime Aviation ^{INC} APPROVED ^{MFG} AGENT.
4-7	2.1		2.1	FACTORY FLIGHT, GROUND TEST AND ADJUSTMENT COMPLETED BY FACTORY TEST PILOT ALEXANDER REINT AND AIRCRAFT HAS BEEN ASSEMBLED AND INSPECTED PER MFG. SPEC. AND FOUND TO BE IN CONDITION FOR SAFE OPERATION Tom Gutmann Airtime Aviation ^{INC} APPROVED ^{MFG} AGENT REPLACE ELT BATTERY 12-2012 04/07

YEAR: DATE	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty C.G.	Useful Load	Remarks

DATE: 04/11/2005

Tachometer: 2.1

Total Time In Service: 2.1

I find this aircraft meets the requirements for the certification requested, and I have issued a Special Airworthiness Certificate dated 04/11/2005. The next inspection is due By 05/01/2006. -----END-----

Signed: Joe Broker

Joe Broker

ASI-OKC-FSDO-SW15

Aircraft Record General Information

Manufacturer FLIGHT DESIGN Model CTSW
Serial 04-12-05 Registration Number N 109 CT
Date of Manufacture 12-21-04

Engine(s) currently installed:

Manufacturer ROTAX Model 912S Serial 5644295
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer NEUFORN Model _____
UB Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____