



**N55WS  
AIRFRAME  
MAINTENANCE  
RECORDS  
LOGBOOK #4**

Registration No. N55WS

Serial No. 421C-0073



## AIRFRAME MAINTENANCE RECORDS

Log No. 4

Aircraft Registration No. N55WS

Model 421C

Serial No. 421C-0073

Waco Regional Airport • P.O. Box 5219 • Waco, Texas 76708

254/752-8381

FAX 254-752-3307

1-800-445-9713

"LOGBOOK FORMAT REPRINTED WITH THE PERMISSION OF AEROTECH PUBLICATIONS, INC.  
THE ADLOG (TM) SYSTEM, COPYRIGHT 1979."

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page

## AIRCRAFT MAINTENANCE LOGBOOK ENTRY

Date: 8 Jun 98N#: 55WS

REPAIRED COLLINS VHF251, S/N 3989.

Pertinent details of this repair are on file at this Repair Station under Work Order No.: 98-1122

Buck  
 For: Ron Collins Aviation Electronics  
 6103 Flightline Drive  
 Evansville, IN 47711

CRS No. PG2R082L  
 Phone (812) 425-2603  
 FAX (812) 425-2129

Date: 06/26/98

Time: \_\_\_\_\_

N#: 55WS

REPAIRED PITCH TRIM SYS AND TROUBLE SHOT A/P. FOUND WRONG POWER SUPPLY  
 INSTALLED IN A/C. DUE TO PARTS AVAILABILITY WAS UNABLE TO RETURN A/P TO  
 SERVICE. DISABLED A/P BY REMOVAL OF A/P COMPUTER AND CONTROL UNIT AND  
 TIE WRAPPING A/P CIRCUIT BREAKER.

Pertinent details of this repair are on file at this Repair Station under Work Order No.: 98-1124

Al Dan  
 For: Ron Collins Aviation Electronics  
 6103 Flightline Drive  
 Evansville, IN 47711  
 CRS No. PG2R082L

Phone (812) 425-2603  
 FAX (812) 425-2129

Date: 07/06/98

Time: \_\_\_\_\_

N#: 55WS

YELLOW TAGGED CUSTOMER SUPPLIED PS-915V SER#4027 AND INSTALLED IN A/C  
 WITH A/P COMPUTER AND CONTROL UNIT. A/P SYS GROUND CHECKED NORMAL  
 AFTER REPAIRS.

Pertinent details of this repair are on file at this Repair Station under Work Order No.: 98-1337

Al Dan  
 For: Ron Collins Aviation Electronics  
 6103 Flightline Drive  
 Evansville, IN 47711  
 CRS No. PG2R082L

Phone (812) 425-2603  
 FAX (812) 425-2129



6101 Flightline Drive Evansville, IN 47711 (812) 426-1221

N55WS, 7/20/98, MAKE: CESSNA, MODEL: 421,  
 AIRFRAME S/N: 421C-0073, HM: 3255.2, WO 98-1043.

FABRICATED LEFT ENGINE OIL PRESSURE GAUGE LINE IN ACCORDANCE WITH  
 AC 43.13 CHAPTER 10, SECTION 1 AND INSTALLED BEHIND PILOTS LEFT KICK  
 PANEL.

Sam Stapler  
 INSPECTOR FOR TRI-STATE AERO, INC. CRS AHTR102C







DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
Aug 4, 99 9-4-99			3340.0	I certify this aircraft has been inspected in accordance with FAR 43 App "D" and found to be in an airworthy condition. ELT Due April 2000 John Howe AP 446481537 IA
12-29-99			3365.0	Repacked Nose Gear and serviced IAW MRP. John Howe AP 446481551
3/14/00			3371.0	Replaced Fan Panel. M.
MAY 15, 00			3409.0	
MAY 17 2000			3409.0	Replaced Eng 1 Reinstalled Eng 1 Replaced ELT Good till 10/1/00
SUB-TOTALS this page				
TOTALS—Carry forward to next page				

UNITED STATES		FAA FORM 8130-3	
AIRMORTHNESS APPROVAL TAG		U.S. DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION	
ORGANIZATION CESSNA AIRCRAFT COMPANY CESSNA PARTS DISTRIBUTION DEPT. 702 5800 E. PAWNEE, WICHITA, KS 67218		WORK ORDER CONTRACT OR WORK NUMBER D0027907	
ITEM	DESCRIPTION	PART NUMBER	ELIGIBILITY
0014 SWITCH	8E2011	VARIOUS	1 N/A
REMARKS		STATUS WORK	NEW
AIRMORTHNESS APPROVAL-PARTS. THIS FORM IS NOT AN EXPORT APPROVAL.			
NEW <input checked="" type="checkbox"/> NEWLY OVERHAULED <input type="checkbox"/>		Return to Service in accordance with FAR 43.9	
17 NAME (PRINTED) JEFF HINMAN, DOA		18 DATE 03/09/00	22 NAME (TYPE OR PRINTED)
19 SIGNATURE 		20 AUTHORIZED SIGNATURE	21 CERTIFICATE NO.
23 SIGNATURE 		24 CERTIFICATE NO.	

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
N. <u>55WS</u>				W/O # <u>2414</u>
I certify the altimeter and static system tests required by FAR Part 91.411 have been performed. The altimeter was tested to <u>35,000</u> feet				
Date of altimeter test <u>6-16-00</u> Date of Static Test <u>6-16-00</u>				
Signed <u>[Signature]</u> Cert. # <u>2276400</u>				
A.T.C. Transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with FAR 43 App. F.				
Make <u>COPIUS</u> Model <u>TDR958</u> S/N <u>2348</u>				
Signed <u>[Signature]</u> Date <u>6-16-00</u>				
For: LAWSON AVIATION Addington Field Elizabethtown, KY Repair Station # A05R733M				
<u>8-23-00</u>		<u>3436.3</u>	<u>INSPECTED RIGHT MAIN STRUT</u> <u>INSTALLED P/N 0841212-1 BUSHING,</u> <u>MS28775-015 O-RING, MS28775-239</u> <u>O-RING, MS28776 M2-22 O-RING,</u> <u>A2749 O-RING, SERVICED WITH</u> <u>6606 AND AIR of Mooney</u> <u>APR403643358</u>	
			<u>Removed WHL Assy. Removed &amp; Replaced</u> <u>600X6 NOSE Tube. Torqued WHL NUTS</u> <u>to 150" lbs. Serviced TIRE to 35 PSI.</u> <u>REINSTALLED WHL ASSY.</u> <u>[Signature]</u> <u>APR 28 2000</u>	

SUB-TOTALS this page

TOTALS—Carry forward to next page





**TOTALS**—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		NBBS		TOTALS brought forward from previous page
MAY 11 2003	3516.4			<p>Services Struts And Tires, Checked Brake System. Services Hyd Checked Landing Gear Both Normal And Emer. Services Battery And Lubed Gear. Checked Lights And Services Alcohol system. Unplugged Alcohol Line to windshield Ad Checked AND AD ON-01-06 Cld By visual insp (PAR B-G) Aircraft RTW to Service.</p> <p>A/C REG. # <u>N-55405</u> DATE <u>MAY 11, 03</u>  TOTAL A/C TIME <u>3516.4</u> HRS. TACH TIME <u>3516.4</u></p> <p>I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR INSPECTION AS PER <u>FAA</u> AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.</p> <p><u>[Signature]</u> AD27582671A  SIGNATURE CERTIFICATE NO / TYPE</p>
SUB-TOTALS this page				
TOTALS—Carry forward to next page				

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	<u>NOBAs</u>			TOTALS brought forward from previous page
<u>1 June 04</u>	<u>3525.0</u>			<u>Serviced Landing gear Struts</u> <u>AND Tires. Service Hyd System</u> <u>AND Brake System. Repaired</u> <u>AND Serviced ALU-AL System</u> <u>for windspeed Drive. Performed</u> <u>Reluctance Test on Landing gear.</u> <u>Adjusted Main Landing gear Doors.</u> <u>Replaced Pump on Heater Base.</u> <u>AD: Checked Tires May 2004.</u> <u>ELT Due Aug 2004</u>
	<u>6018.0</u>			
				A/C REG. # <u>55605</u> DATE <u>1 June 04</u> TOTAL A/C TIME <u>3525.0</u> HRS. TACH TIME _____  I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN ICARE ONE (ANNUAL/100 HR INSPECTION AS PER. <u>M.M.</u> AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. <u>John Wiley</u> <u>2758267 ID</u> SIGNATURE CERTIFICATE NO./TYPE

**H&S AVIONICS, INC 2805 TAYLORSVILLE RD**  
**LOUISVILLE, KY 40205 502-459-5142**

I certify that the altimeter(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph B, by John Wiley to 35,000 ft.  
 Left altimeter S/N F 3362 Right altimeter S/N 6635

Part 91.413 IAW Part 43,  
3028  
 per Part 91.411 IAW  
 feet.  
 per Part 91.411 IAW Part

8-9-04  
 ion #V4HR991Y

H&S Avionics, Inc. Pilot  
 CRS#V4HR991Y  
 2805 Taylorsville Rd  
 Louisville, KY 40205  
 Date: 8-9-04

ALT FT	ALT READS	ALT FT	ALT READS
-1000	-5	18000	+40
0	-15	20000	+30
500	-10	22000	+65
1000	0	25000	+70
1500	+5	30000	+90
2000	+15	35000	+115
3000	+20	40000	
4000	+30	45000	
6000	+30	50000	
8000	+30		
10000	+50		
12000	+60		
14000	+40		
16000	+45		

Altimeter S/N: F 3362



N-55WS  
Airframe

Date: June 9, 2005

Hobbs: 3525.5

5816.3  
TT: ~~3525.5~~

Preformed annual inspection IAW the manufactured procedures. Greased wheel bearings and checked brake system. Preformed landing gear retraction test. Lubricated flight controls and checked cable tension. Changed interment air filter and serviced main hydraulic system. Checked fuel system and ops checked fuel pumps and filters. Serviced struts and tires. Checked **ELT and batteries good until June 2006**. Ad's checked thru 2005-11.

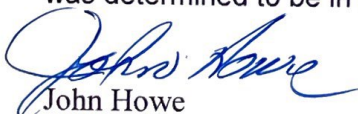
I certify that this aircraft has been inspected in accordance with an **annual** inspection as per the manufactures service manual and was determined to be in an airworthy condition.

  
John Howe  
2758267 IA

Feb 1, 2007 N-55WS Total Time 5816.5 Hobbs 3525.5

The annual inspection was preformed IAW the manufactures service manual and other approved material. Replaced aircraft battery with new **Gill 436**. Battery serviced and pre charged IAW the manufactures service instructions. Hydrostat test preformed on the landing gear emergence blow down bottle (**next due May 2011**). Oxygen cylinder hydrostat completed (**next due May 2011**). Removed and replaced right hyd flow switch and serviced hyd system. Installed new ELT (**Batt change due June 2011**). Aircraft weighted due to installation of new com/nav equipment and new interior. Resealed Rt. brake assy and preformed landing gear retraction test. Lubed flight controls and landing gear system. Replaced Aileron cable pulleys. Replaced Avionics master switch with new P/N CM3589-50. Serviced air conditioner with Freon and ops checked on engine run. Repaired damaged wires in pilots yoke, and ops check on electric trim and push to talk completed. AD's checked thru 2006-26, see supplied list that pertains to this aircraft.

I certify this aircraft has been inspected in accordance with an **annual** inspection and was determined to be in an airworthy condition.

  
John Howe  
2758267IA



DATE	Test Alt.	Scale Error ±Inst.	Friction ±Inst.	Hyst. tol. ±75' 40% 50%	Aft Baqrometric Scale tol. ±25'
	-1000	20 0			28.10 - 1727
	0	20 +10			28.50 - 1340
	500	20 +5			29.00 - 863
	1000	20 +10	70 40		29.50 - 392
	1500	25 +10			29.92 - 0
	2000	30 +15	70 50		30.50 + 531
	3000	30 +15	70 30		30.90 + 893
	4000	35 +15			30.99 + 974
	4800				
	5000		70 40		
	6000	40 +5			
	7200				
	8000	60 0			
	9000				
	10000	80 -30	80 30		
	12000	90 -50			
	14000	100 -70		20	
	15000		90 30		
	16000	110 -70			
	17500			50	
	18000	120 -40			
	20000	130 -40	100 40		
	22000	140 -65			
	25000	155 -100	120 60		
	30000	180 -75	140 50		
	35000	205 -35	160 70		
	40000	230	180		
	45000	255			
	50000	280	250		

Case Leak:  
2000' @ ±150' min  
Diff: 0  
18000' @ ±100' min  
Diff: 0

w/o. # 3022  
Date: 2-2-07  
Alt s/n F3362  
Cal. To 35,000

Insp. *[Signature]*

Elizabethtown Flying  
Service, Inc.  
Station A05R733M

DESCRIPTION OF WORK PERFORMED—  
RE & CERTIFICATE NO. OF PERSON PERFORMING WORK

forward from previous page

W/O # 3022

Tests required by 14 CFR Part 91.411 have  
ad to 35,000 feet

Date of Static Test 2-2-07

Cert. # 2824535

Tests required by 14 CFR 91.413 were  
with 14 CFR 43 App. F.

IX 33 S/N 84702104

X327 S/N 83712930

Date 2-2-07

Flying Service, Inc.  
on Field  
town, KY  
# A05R733M

Feb 8, 2008

N-55WS

Total Time 5845.4

Hobbs 3554.4

The annual inspection was preformed IAW the manufactures service manual and other approved material. Battery serviced and pre charged IAW the manufactures service instructions. Flight control system lubricated IAW the manufactures lube chart. Removed and replaced right hyd flow switch and serviced hyd system. Checked ELT (Batt change due June 2011). Preformed landing gear retraction test. Lubed flight controls and landing gear system. Serviced air conditioner with Freon and ops checked on engine run. Tested pilots yoke switch, and ops check of the electric trim and push to talk completed. AD's checked thru 2008-3, see supplied list that pertains to this aircraft.

I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

*[Signature]*  
John Howe  
2758267IA

SUB-TOTALS this page

TOTALS—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page

**H&S AVIONICS, INC 1924 Boston Rd.  
BARDSTOWN, KY 40004 502-510-1981**

I certify that the altimeter(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph B, by ARON HOWE to 35,000 ft.

Left altimeter S/N F3362 Right altimeter S/N 6635

The ATC Transponder(s) were tested and inspected as per Part 91.413 IAW Part 43, Appendix F. #1 S/N 84702104 #2 S/N 83722930

Automatic altitude reporting system tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph C to 35,000 feet.

The static pressure system(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph A.

Signature: A. C. Howe Date: 2/17/9

For **H&S AVIONICS, INC FAA Certified Repair Station #V4HR991Y**

Feb 9, 2009

N-55WS

Total Time 5847.7

Hobbs 3555.7

The annual inspection was performed IAW the manufactures service manual and other approved material. Battery serviced and pre charged IAW the manufactures service instructions. Flight control system lubricated IAW the manufactures lube chart. Removed and replaced right hyd flow switch and serviced hyd system. Checked ELT (Batt change due June 2011). Performed landing gear retraction test. Lubed flight controls and landing gear system. Serviced air conditioner with Freon and ops checked on engine run. Tested pilots yoke switch, and ops check of the electric trim and push to talk completed. AD's checked thru 2009-3, see supplied list that pertains to this aircraft.

I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

John Howe  
John Howe  
2758267IA

**SUB-TOTALS** this page

**TOTALS**—Carry forward to next page

DATE

March 12, 2010

N-55WS

Total Time 5852.5

Hobbs 3560.5

The annual inspection was preformed IAW the manufactures service manual and other approved material. Battery serviced and pre charged IAW the manufactures service instructions. Flight control system lubricated IAW the manufactures lube chart. Removed and replaced right hyd flow switch and serviced hyd system. Checked ELT (Batt change due June 2011). Preformed landing gear retraction test. Lubed flight controls and landing gear system. Serviced air conditioner with Freon and ops checked on engine run. Tested pilots yoke switch, and ops check of the electric trim and push to talk completed. AD's checked thru 2010-05, see supplied list that pertains to this aircraft.

I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

*John Howe*  
John Howe  
2758267IA

**H&S AVIONICS, INC 1924 Boston Rd. Bardstown, Ky 40004 502-510-1981**

I certify that the altimeter(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph B, by Aaron Harkin to 35,000 ft. Left altimeter S/N F3362 Right altimeter S/N 6635. The ATC Transponder(s) were tested and inspected as per Part 91.413 IAW Part 43, Appendix F. #1 S/N 84702104 #2 S/N 83722930 Automatic altitude reporting system tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph C to 35,000 feet. The static pressure system(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph A.

Signature: A. C. H.Date: 2/2/11For **H&S AVIONICS, INC FAA Certified Repair Station #V4HR991Y**

**Feb. 05, 2011**  
**Right Engine**

N-55WS

Hobbs Time 3561.3

TSMO 1561.9

Changed oil and filter, serviced with 12qts of Aeroshell 15/50. System leak checked on engine run. Compression test completed and all cylinders read (#1 70/80, #2 72/80, #3 70/80, #4 70/80, #5 68/80, #6 70/80). Test taken on cold cylinders. Removed and replaced #5 Cylinder with a reconditioned unit. Removed, cleaned, and rotated spark plugs. Inspected fuel system for leaks and serviceability. Removed, cleaned, and reinstalled injectors. Checked generator, turbo, and exhaust system for serviceability and condition. Cleaned air filter and serviced fuel screen.

I certify this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

*John Howe*  
John Howe  
2758267IA

*Entered in Working Book*



DATE	TOTAL TIME	TOTAL TIME	TACH OR RECORDING	DESCRIPTION OF WORK PERFORMED	WORK
Feb 05, 2011	N-55WS	Total Time 5815.3	Hobbs 3561.3	<p>The annual inspection was performed IAW the manufactures service manual and other approved material. Battery serviced and pre charged IAW the manufactures service instructions. Flight control system lubricated IAW the manufactures lube chart. Removed, repacked, and replaced all seals in Right main landing gear. Checked ELT (Batt change due June 2011). Performed landing gear retraction test. Lubed flight controls and landing gear system. Serviced air conditioner with Freon and ops checked on engine run. Cleaned and resurfaced deice boots and system checked of proper operation. AD's checked thru 2011-3, see supplied list that pertains to this aircraft.</p> <p>I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.</p> <p><i>John Howe</i> John Howe 2758267IA</p>	
May 8, 2012	N-55WS	Total Time 5837.3	Hobbs 3583.3	<p>The annual inspection was performed IAW the manufactures service manual and other approved material. Battery serviced and pre charged IAW the manufactures service instructions. Flight control system lubricated IAW the manufactures lube chart. Removed and replaced Main gear tires and brake pads. <u>Removed and replaced ELT (Batt change due April 2018).</u> Performed landing gear retraction test. Lubed flight controls and landing gear system. Serviced air conditioner with Freon and ops checked on engine run. Aircraft washed and corrosion inspection C/W. AD's checked thru 2012-08. see supplied list that pertains to this aircraft.</p> <p>I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.</p> <p><i>Ralph Sinclair</i> Ralph Sinclair AP 3414784 IA</p>	
SUB-TOTALS this page					
TOTALS—Carry forward to next page					

Feb 05, 2011

**N-55WS**

**Total Time 5815.3    Hobbs 3561.3**

## Airframe

The annual inspection was performed IAW the manufactures service manual and other approved material. Battery serviced and pre charged IAW the manufactures service instructions. Flight control system lubricated IAW the manufactures lube chart. Removed, repacked, and replaced all seals in Right main landing gear. Checked ELT (Batt change due June 2011). Performed landing gear retraction test. Lubed flight controls and landing gear system. Serviced air conditioner with Freon and ops checked on engine run. Cleaned and resurfaced deice boots and system checked of proper operation. AD's checked thru 2011-3, see supplied list that pertains to this aircraft.

I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

John Howe

2758267IA

May 8, 2012

N-55WS

Total Time 5837.3      Hobbs 3583.3

## Airframe

The annual inspection was performed IAW the manufactures service manual and other approved material. Battery serviced and pre charged IAW the manufactures service instructions. Flight control system lubricated IAW the manufactures lube chart. Removed and replaced Main gear tires and brake pads. Removed and replaced ELT (Batt change due April 2018). Performed landing gear retraction test. Lubed flight controls and landing gear system. Serviced air conditioner with Freon and ops checked on engine run. Aircraft washed and corrosion inspection C/W. AD's checked thru 2012-08, see supplied list that pertains to this aircraft.

I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Ralph Sinclair

AP 3414784 IA

**SUB-TOTALS** this page

**TOTALS**—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
10/1/2013 Hobbs	3607.2			Replaced aircraft battery G-246, Replaced
TTIS	5861.2			nose gear ramps assy. No other work performed J. A. W. 1251374/1A
10/4/2013 Hobbs	3607.2			THIS AIRCRAFT HAS BEEN INSPECTED AND HAS
TTIS	5861.2			BEEN FOUND SAFE FOR THE INTENDED FLIGHT
				J.A.W SPECIAL FLIGHT PERMITTED DATE
				9/30/2013 J. A. W. 1251374/1A

Feb. 5, 2014

N-55WS

Total Time 5862.7 Hobbs 3608.7

Airframe

The annual inspection was performed IAW the manufactures service manual and other approved material. Battery serviced and pre charged IAW the manufactures service instructions. Flight control system lubricated IAW the manufactures lube chart. Checked landing gear tires and brake pads. Checked lights for proper operation. Checked cabin air filter and proper operation or pressuration system. Inspected and tested ELT (Batt change due April 2018). Performed landing gear retraction test. Lubed flight controls and landing gear system. Serviced air conditioner with Freon and ops checked on engine run. Aircraft washed and corrosion inspection C/W. AD's checked thru 2013-23, see supplied list that pertains to this aircraft.

I certify this aircraft has been inspected in accordance with an **annual** inspection and was determined to be in an airworthy condition.

*Ralph Sinclair*

Ralph Sinclair  
AP 3414784 IA

SUB-TOTALS this page

TOTALS—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page

**H&S AVIONICS, INC** 1924 Boston Rd. Bardstown, Ky 40004 502-510-1981

I certify that the altimeter(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph B, by H. S. Avionics Inc to 35,000 ft. Left altimeter S/N F3362 Right altimeter S/N 6635. The ATC Transponder(s) were tested and inspected as per Part 91.413 IAW Part 43, Appendix F. #1 S/N 84702104 #2 S/N 83722930 Automatic altitude reporting system tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph C to 35,000 feet. The static pressure system(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph A.

Signature: A. C. L. Date: 12/5/13  
For H&S AVIONICS, INC FAA Certified Repair Station #V4HR991Y

**Dec 30, 2014      N-55WS      Total Time 5886.9      Hobbs 3632.9**  
**Airframe**

The annual inspection was performed IAW the manufactures service manual and other approved material. Flight control system lubricated IAW the manufactures lube chart. Checked cabin air filter and proper operation or pressuration system. Battery serviced and pre charged IAW the manufactures service instructions. Checked landing gear tires and brake pads. Checked lights for proper operation. Inspected and tested ELT (**Batt change due April 2018**). Preformed landing gear retraction test. Lubed flight controls and landing gear system. Serviced air conditioner with Freon and ops checked on engine run. Aircraft washed and corrosion inspection C/W. AD's checked thru 2014-25, see supplied list that pertains to this aircraft.

I certify this aircraft has been inspected in accordance with an **annual** inspection and was determined to be in an airworthy condition.

  
Ralph Sinclair  
AP 3414784 IA


**SUB-TOTALS** this page

**TOTALS**—Carry forward to next page

DATE

Dec 17, 2015

N-55WS

Total Time 5997.2

Hobbs 3743.2

Airframe

✓  
The annual inspection was performed IAW the manufactures service manual and other approved material. Flight control system lubricated IAW the manufactures lube chart. Battery serviced and pre charged IAW the manufactures service instructions. Checked landing gear and tires. Checked cabin air filter and checked cabin pressurization system for proper operation. Checked lights for proper operation. Inspected and tested ELT (Batt change due April 2018). Performed landing gear retraction test. Lubed flight controls and landing gear system. Serviced air conditioner with Freon and ops checked on engine run. Aircraft washed and corrosion inspection C/W. AD's checked thru 2015-24, see supplied list that pertains to this aircraft.

I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

*Ralph Sinclair*  
Ralph Sinclair  
AP 3414784 IA

**AirQuest Aviation**

485 Airport Road  
Butler, PA 16002

**AIRQUEST AVIATION**

360

Date: 4/15/2016; Aircraft: N55WS; Type: 421C; S/N: 421C0073  
Shop Order #: 16-2101

**AIRFRAME:**

1.) Found Left alternator fuse to be blown and the voltage regulator to be faulty. Replaced fuse with new P/N: AGC3 and voltage regulator with owner supplied new P/N: 9910126-3, S/N: 80K09715. Parrelled voltage regulators. Ops check ok. Work done as per Cessna 421C maintenance manual.

The Aircraft and/or Component Identified above was Inspected and/or Repaired in Accordance with Current FAA Regulations and is Approved for Return to Service. Pertinent Details of the Inspection / or Repair are on File at this Repair Station.  
Hobbs time: 3780.5

Authorized Signature *Matt Steele* Matt Steele, AirQuest Aviation CRS # Q3ER924K

SUB-TOTALS this page

TOTALS—Carry forward to next page





**Adaptive Aircraft Services**  
**606-499-3114**

**Middlesboro/Bell Airport 1A6**  
**Middlesboro, KY 40965**

DATE: 03/25/2019

Aircraft: N55WS

AIRFRAME: CESSNA 421 C

SER# 421C0073

HOBBS: 3804.8 TTIS: 6058.8

DESCRIPTION: Removed broken rudder trim actuator assembly part #5115275-4. Installed customer supplied rudder trim actuator assembly part #5115275-4. Set rigging according to the manual.

All work performed and tested in compliance with Cessna Maintenance Manual Model 421C Golden Eagle and AC4313 and is released for return to service.

David Hayward

... 1887308 A&amp;P/IA

**Adaptive Aircraft Services**  
**606-499-3114**

**Middlesboro/Bell Airport 1A6**  
**Middlesboro, KY 40965**

DATE: 03/14/2020 Aircraft: N55WS

AIRFRAME: CESSNA 421 C

SER# 421C0073

HOBBS: 3805.9 TTIS: 6059.9

DESCRIPTION: Completed Annual Inspection on this date. Inspected airframe in accordance with CESSNA 421C checklist. Checked fuel transfer system. Checked lighting system. Checked Pitot Heat. Checked Cabin pressurization system. Checked and lubricated controls, hinge pulleys and bell cranks. Overhauled the elevator trim servo. Performed L/G Retract and Inspection, cleaned and repacked wheel bearings. Inspected right and left brake discs and linings. Checked intake and exhaust system. Replaced intake air filter. Replaced A/C Battery. ELT checked, battery replacement due Apr 2023, cleaned fuel strainer. See AD Listing for AD compliance.

I certify that I have inspected this aircraft in accordance with Annual Inspection per CESSNA service manual (D2515-23-13), Supplemental Inspection Document and FAR 43 appendix D, found it airworthy at this time.

David Hayward

... 1887308 A&amp;P/IA

**Adaptive Aircraft Services**  
**606-499-3114**

**Middlesboro/Bell Airport 1A6**  
**Middlesboro, KY 40965**

DATE: 09/08/2020 Aircraft: N55WS

AIRFRAME: CESSNA 421 C

SER# 421C0073

HOBBS: 3805.9

DESCRIPTION: Installed uAvionix tailBeacon P/N UAV-1002183-001, S/N 2016018. Programmed and tested system after installation. See 337 for complete details.

All work performed I.A.W. the manufacture's manuals and 43.13. The aircraft was tested and is released for return to service.

David Hayward

... 1887308 A&amp;P/IA

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
5/16/2024	6376.3 ↑ corrected		Hobbs 3816.4	Routine Maint + Service EIT P/N MEB06 Ser # 01085 Insp. IAW 91.207(d). Batteries Exp 8/2026 C/W AD 95-09-13 Fuel Inlet Float Valve Inspected P/N 9910242-11 IAW Installation test Procedure in MEB93-10R1. AD 97-01-13 No record of Valve Installation. C/W AD 200-01-16 Exhaust System Corrosion Insp. IAW Par(b)(c) and (e). Note: (d) due @ 6668.6 Actt (f) @ 6643.2 Actt (g) @ 05/2024 or 8643.2 hrs TT. C/W AD 2017-06-03 Heater Inspection. IAW. Par(g). Replaced Heater fuel Line prior to fuel pump. Installed New Vacuum filter. Installed New Hoses Fwd Bulkhead P/N's 5117257-1, 5117257-2, 5117257-7, and 5117257-8. Jacked Aircraft Cycled gear ops check good. Inspect + Lubed Gear. Emergency Nitrogen Bottle Insp. (Full Charge) Serviced Hydraulic Reservoir Mil 5606. Installed New Hydraulic filters P/N AN 6235-2A Both R/H + L/H Sides. Installed New Wastegate.
	Heater Hour meter 1267.9			
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				<p>→ Elbow L/H Side P/N 179910300-  Installed New Slip Joint P/N 1001-3  L/H Engine Inboard side. Replaced  L/H X-Feed Shutoff Cable  P/N 9910245-6. Rigged X-Feed  Shutoff Cables. Installed  New Seals as needed in  Seeping fuel panels. Replaced  O-rings in Both fuel caps.  Cleaned Nozzle Tank Vent.  Cleaned Aux Tank pump install  New Screen, (Screen was missing).  Replaced L/H Air condition Blower  Motor. Pressure Lube Alternator  Air Cables. Aircraft Run up  ops check good. <u>SLB</u>  MP 3015776</p>
5/8/2021				<p> certify this Aircraft has been inspected  in accordance with an annual inspection  and was determined to be in airworthy  condition at this time. <u>SLB</u>  Sherman B. Powell III  3015776 IA.</p>



T.T. AEROTECH Corp. 125 Airport Ln Savannah, TN 38372 7TTR565C  
LOG ID# 835 27-August-2021 WO# 2055-0 FORM# TTA-015 AC TT 6376.3 HOBBS 3821.0  
N55WS S/N 421C0073 CESSNA 421C

Pg 1 / 3

\*\*\*\* ITEM # 2055-1 ASPEN C3 SYSTEM \*\*\*\*

ACTION: REMOVED THE FOLLOWING:

HSI IN831A	P/N: 4000-172-8503	S/N: 4474
SLAVED GYRO SG832C	P/N: 4000869-32-01	S/N: 2062
APOLLO MX20	P/N: 430-0220-502	S/N: 26002462
RATE OF TURN	P/N: TC100 (24)	S/N: B762136

INSTALLED ASPEN C3 SYSTEM CONSISTING OF THE FOLLOWING SYSTEMS: EFD 1000C3 PRO PFD SYSTEM P/N: 910-00001-004 S/N: 29998 SOFTWARE VERSION MAP B2.3.5 AND IOP 2.2.5, RSM WITH GPS P/N: 910-00003-011 S/N: 206118, CONFIGURE MODULE 910-00004-014 S/N: 25001 AND ACU P/N: 910-0004.001 S/N: 18010. INSTALLATION ACCOMPLISHED IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS PROVIDED BY THE MANUFACTURER FOR FAA APPROVED STC SA10822SC FOR THIS MAKE AND MODEL OF AIRCRAFT AS LISTED IN THE APPROVED MODEL LIST AND ASPEN AVIONICS EFD1000 E5 INSTALLATION MANUAL DOCUMENT NO. 900-00003-001 REV CL, 05/17/2021 ALONG WITH GUIDANCE PROVIDED BY AC 43.13-2B CHAPTERS 2,3,11 AND AC 43.13-1B CHAPTERS 4,7,11 AND 12. INTERFACED WITH IFD550, AUDIO PANEL GMA 347, FCS 810 BENDIX AUTOPILOT AND PITOT/STATIC SYSTEM. PERFORMED LEAK CHECK WITH REQUIRED BY 14 CFR 91.411 HAVE BEEN PERFORMED USING PITOT/STATIC TEST SET S/N: 89963 CALIBRATED 5/6/2021 AND FOUND TO COMPLY WITH 14 CFR PART 43 APPENDIX E. A COPY OF THE ASPEN AVIONICS EFD1000 AND EFD500 FAA APPROVED FLIGHT MANUAL SUPPLEMENT ASPEN DOCUMENT NO. 900-00008-001 REV AP, JUL 02, 2021 HAS BEEN ADDED TO THE AIRCRAFT'S FAA APPROVED FLIGHT MANUAL. PROVIDED THE OWNER WITH THE PILOT GUIDE DOCUMENTS NO. 091-00006-001 AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS DOCUMENT NO. 900-00012-001 REV AE.

\*\*\*\* ITEM # 2055-2 AXP322 REMOTE TRANSPONDER \*\*\*\*

ACTION: REMOVED TRANSPONDER GTX33 S/N: 84702104 AND TAILBEACON.

INSTALLED AND TESTED AVIDYNE AXP322 ADS-B COMPLIANCE TRANSPONDER P/N: 200-00269-000 S/N: 10683 IN

T.T. AEROTECH Corp. 125 Airport Ln Savannah, TN 38372 7TTR565C  
LOG ID# 835 27-August-2021 WO# 2055-0 FORM# TTA-015 AC TT 6376.3 HOBBS 3821.0  
N55WS S/N 421C0073 CESSNA 421C

Pg 2 / 3

ACCORDANCE WITH AVIDYNE STC #SA00352BO AND INSTALLATION INSTRUCTIONS, DOCUMENT NO. 600-00312-00, REV 05 DATED 10/20/2020. INTERFACE WITH GPS POSITION SOURCE IFD550. THE AXP322 INSTALLATION WERE PERFORMED IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF AC 43.13-1B AND AC 43.13-2B. THE INSTALLED ADS-B SYSTEM SHOWN TO MEET THE EQUIPMENT PERFORMANCE REQUIREMENTS OF 14 CFR PART 91-227.

INSERTED FAA APPROVED AIRPLANE FLIGHT MANUAL SUPPLEMENT, AVIDYNE DOCUMENT NO. 600-00309-000, REV. 4 DATED 12/07/2020 IN THE PILOT'S OPERATING HANDBOOK. PROVIDED OWNER WITH INSTRUCTIONS FOR CONTINUED AIRWORTHINESS, AVIDYNE DOCUMENT NO. AVAXP-007, REV 3 DATED 10/20/2020 AND PILOT GUIDE. THE ATC TRANSPONDER TESTS REQUIRED BY CFR 14 FAR 91.413 HAVE BEEN PERFORMED USING TRANSPONDER TEST SET IFR 6000 S/N: 104001389 CALIBRATED 05/04/2021 AND FOUND TO COMPLY WITH CFR 14 FAR 43 APPENDIX F. TRANSPONDER M/N: AXP322 S/N: 10683  
THE INTEGRATED SYSTEM(S) HAS(HAVE) BEEN TESTED AND FOUND TO COMPLY WITH CFR 14 FAR PART 43 APPENDIX E PARAGRAPH (C).

\*\*\*\* ITEM # 2055-3 IFD 550 \*\*\*\*

ACTION: REMOVED GNX 480 (REMOVED BY CUSTOMER)  
INSTALLED NEW AVIDYNE IFD550 REV 03 GPS/NAV/COM UNIT P/N: 700-00182-020 S/N: M210793333 SOFTWARE VERSION 10.2.3 CONNECTING TO AN EXISTING GA 35 GPS WAAS ANTENNA. INSTALLATION ACCOMPLISHED IN ACCORDANCE WITH INSTALLATION INSTRUCTIONS PROVIDED BY THE MANUFACTURER FOR FAA APPROVED STC SA00343BO FOR THIS MAKE AND MODEL OF AIRCRAFT AS LISTED IN THE APPROVED MODEL LIST AND AVIDYNE INSTALLATION MANUAL P/N: 600-00299-000 REV 22 DATED: 4/2/2021 AND WITH GUIDANCE PROVIDED BY APPLICABLE SECTIONS OF AC 43.13-2B, AND AC 43.13-1B. INTERFACED WITH EFD 1000C3, AXP322 TRANSPONDER, AUDIO PANEL GMA 347, GDL 69, TAS 1000 AND ENCODER. A COPY OF THE IFD550 FAA APPROVED FLIGHT MANUAL SUPPLEMENT AVIDYNE P/N 600-00298-000 REV. 9 DATED 2/17/2021 HAS BEEN ADDED TO THE

T.T. AEROTECH Corp. 125 Airport Ln Savannah, TN 38372 7TTR565C  
LOG ID# 835 27-August-2021 WO# 2055-0 FORM# TTA-015 AC TT 6376.3 HOBBS 3821.0  
N55WS S/N 421C0073 CESSNA 421C

Pg 3 / 3

AIRCRAFT'S FAA APPROVED FLIGHT MANUAL. PROVIDED OWNER WITH PILOT GUIDE 600-00300-001, STC SA00343BO, AND ICA AVIFD-315 REV 09, DATED 04/17/2019.

\*\*\*\* ITEM # 2055-4 2 STRATUS POWER SUPPLY \*\*\*\*

ACTION: INSTALLED TWO TSO STRATUS POWER USB CHARGING HUB P/N: 153510-000122 S/N: 001716 AND 001599 IN ACCORDANCE WITH INSTALLATION MANUAL 600840-000063 REV 1 DATED 07/20/2020 AND WITH THE APPLICABLE SECTIONS OF AC 43.13-1B AND AC 43.13-2B. WEIGHT & BALANCE IS NEGLIGIBLE. THIS IS CONSIDERED A MINOR ALTERATION.

WEIGHT & BALANCE UPDATED, EQUIPMENT LIST UPDATED, AIRCRAFT LOG BOOK ENTRY MADE AND FAA FORM 337 SUBMITTED AS REQUIRED.

INSPECTED HARDWARE, WIRING, INSTALLATION, AND OPERATIONAL CHECKS. CHECKED AREA AND ALL TOOLS ACCOUNTED FOR. I CERTIFY THAT THE ARTICLE WAS FOUND TO BE AIRWORTHY WITH RESPECT TO THE WORK PERFORMED AND THE AVIONIC IDENTIFIED ABOVE WAS INSTALLED AND INSPECTED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THIS ACTION ARE ON FILE AT THIS STATION UNDER THIS WORK ORDER NUMBER.

  
Signed 7TTR565C THOMAS TWIDDY SR Date 8-26-2021

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
6/3/2022	6401.0	3841.3		<p>Run line Maint + Service EIT</p> <p>S/N 01085 Insp IAW 91.207(d) Batt Exp 8/2026. Complied with AD 2000-01-16. Replaced All Exhaust Parts Slip Joints aft with New Parts From RAM Aircraft. Y Pipes Were O.H.C Units from RAME (Wall Colmanoy). All New Seals, Gaskets Clamps Hardware Installed. A/BW Stacks From Ram Aircraft Installed on L/H Engine only. See AD Compliance Sheet. C/W AD 2016-17-08 Trim Hardware Insp. Replaced Turbo Bracket R/H Side. Replaced Inboard R/H deice Boot. Treated All Boats With PBS Boat Treatment. Removed and Reinstalled Heater fuel pump for overhaul (Harold Hastings). Jacked Aircraft Insp + Cycled Landing Gear. Replaced All Brake Pads. Serviced Hyd Resvior, Brake Resvior + AC Resevior. Installed New Brush Assy P/N RAB 40012 on Both Sides Brush Blocks (Prop deice). Luke Aircraft. Engines Run up ops check Good, Feather check Good</p> <p>S/C B</p> <p>R/P 3015776</p>
<p>Date <u>6/3/2022</u></p> <p>I certify this Aircraft has been Inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time.</p> <p>Signed <u>S/C B</u></p> <p>Sherman B. Powell III 3015776 IA</p>				<p>SUB-TOTALS this page</p> <p>TOTALS—Carry forward to next page</p>