



LOGBOOK #4

AIRFRAME MAINTENANCE RECORD

1-29-2001 Thru 1-17-2008

AIRCRAFT SERIAL AND REGISTRATION 421C-0225 N5478G

RECORD NUMBER _____

FEB '10

wt & Balance in Log Box 3

Epty wt - 5245

Moments - 803367.3

Useful Load - 2205

Max TQ wt 7450

This record should be completed and maintained in accordance with Federal Aviation Regulations 43.9, 43.11 and 91.417 and/or government regulations.

Note: Record Service Bulletins and Airworthiness Directives in this record as well as the appropriate Engine/Propeller Maintenance Record.

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DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			Hobbs:1465.8 1-29-2001 Left and right main gear uplock structure Improvement accomplished with parts per ME 81-2 Replaced left and right main gear actuator hoses, Serviced Hyd. Resivor, Retraction check compleated. Replaced Alt out sensor P/N 9910094-4 and Module P/N 5118335-10 Right. System checked OK. Installed an overhauled Actuator for elevator trim P/N 1260074-1 S/N C35 From Preferred Airparts See yellow tag. Elevator trim rigged per service manual. Installed a new Radome P/N 9711019-1 Installed new Aircraft Battery P/N G-246 S/N G01673908 <i>Robert Grant</i> Robert Grant A/P 297687575	

SIGNATURE,
DATE TYPE
NUMBER



Sky Harbour Aircraft

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Telephone (519) 524-2165

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Goderich, Ontario

AMO,25-88

An independent inspection has been completed of the flight controls that were affected by the work accomplished.

KRP AMO 25-88-8

Date: March 5, 2001 Work Order: 2001013

Aircraft Type: Cessna 421C

Registration: N5478G

Serial #: 421C0225

The maintenance described has been accomplished in accordance with the applicable standards of airworthiness.

18Mile AMO 25-88-5

Aircraft stripped and painted in the following colours:

Avial	Matterhorn White	K8006	U.S. Paint (Alumigrip)
	Las Vegas Gold	10494	Pratt's Lumber* (Acra Glow)
	Light Burgundy	10629	Pratt's Lumber* (Acra Glow)
	Light Grey	G1001	U.S. Paint

Static balance of applicable primary flight control surfaces checked after painting & found within manufacturer's tolerances.

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19__			3-26-2001 Hobbs: 1473 Upolstery was replaced as follows- Removed and reinstalled sidewalls as recieved form Dean's Upolstery. Installed new carpet. Removed and Reinstalled seats after being recovered by Deans Upolstery. All new material's meet the requierments of FAR 25.853 (a) Appendix F Part I (a)(1) (ii) See flame test sheets in aircraft file this date. All seat belts and sholder harnesses overhauled by AM Safe Aviation see forms 8130-3 this date. <i>Robert Grant</i> <u>Robert Grant A/P 297687575</u>	

MAINTENANCE RECORD

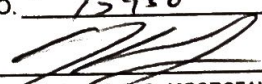
DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
5-30-01			HM 1544 Visually inspected both engine exhaust systems per AD 2000-01-16 Para (b). Edward Z Adams AWP508804973	
6-29-2001			Removed HSI Slaver PN 520137-1333 and repl with overhauled unit SN 1-7846 from Mid Continent work order no 540025. Edward Z Adams AWP508804973	

7/7/9
 23. DATE
 SCS 01
 CERTIFICATE NUMBER
 (are) approved for
 out in accordance for
 filed was
 at work
 4-10-01
 3100K

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
8-13-01			HM 1605 Visually inspected both eng exhaust systems per AD 2000-01-16 Para (b). Removed right alternator & replaced with O.H. exchange unit SN F2386.10 from Quality Aircraft Accessories w o # 9115 Test run for operation & looks Edward Z Adams AWP508804973	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<i>N 5478G</i> The Altimeter and Static systems tests required by FAR 91.411/Far43. Appendix E have been performed this date <u>11/30/01</u> Altimeter S/N <u>NA</u> Certified this date <u>11/30/01</u> By <u>Bevan Rabell</u> Per W.O. <u>15950</u>  Bevan-Rabell, Inc. C.R.S. KG2R951K This aircraft's Transponder, Make <u>Collins/Kolls</u> Model <u>7000/90</u> S/N <u>NA</u>; Altitude Encoder Make <u>Garmin</u> Model <u>EA700H</u> S/N <u>NA</u> has been inspected and complies with the requirements of FAR 91.413 and FAR43, Appendix F Date: <u>11/30/01</u>  Bevan-Rabell, Inc. C.R.S. KG2R951K	



MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
12-30-2001			HM1700 TOTAL 4029. % Inspected and lubed controls, checked operation of lights, pitot heat, prop deice, stall warning and stall warning, static port, & fuel vent heat. Installed ACE-328 Avionics cooling fan per installation instructions and removed previous unit. Replaced brake discs PN 164-06406 on both main gear, Replaced all brake pads PN 66-066, & serviced brake reservoirs. Replaced left main tire with 6.50x10 8ply Air Hawk tire. Ran retraction, & gear warning system ops test & serviced hyd reservoir. Complied with AD 2000-01-16 para's (b) visual (c) tailpipes (d) firewall & beams & (e) press test exhaust (over →	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			Continued from Previous Page	
12-20-2001			HM 1700 TOTAL 4029.8	
			Aircraft Services, Inc. 2145 S. Airservice Rd. Garden City, KS 67846 (316) 275-5535	
				CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ACCORDANCE FOR A/AN <u>Annual</u> INSPECTION FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION DATE: <u>12-20-2001</u> TOTAL TIME <u>4029</u> SIGNED: <u>Edward G. Adams</u> EDWARD G. ADAMS IA508804973
12-20-01			HM 1700 4029 Total C/w AD 95-09-13 on fuel valve floats by testing. Retest due again in 600 hrs Gary B. Keller A+P 510585613	

P/N 07005-1E

MAINTENANCE RELEASE

NARCO AVIONICS INC., REPAIR STATION NO. DV1R100K
270 Commerce Dr., Ft. Washington, Pa. 19034-2450

Customer ATLAS AIR SERVICES Model # 51710

P/N _____ S/N 75448 Date 1/11/02

The equipment / appliance identified by W.O. # 37372

was repaired in accordance with current FAA regulations

and was found to be airworthy with respect to the work

performed. Pertinent details of the repair are on file at

this agency. Signed: _____

SERVICE TAG

MODEL # 51710

S/N 75448

DATE 1/11/02

W.O.# 37372

DETACH AND AFFIX
TO LOGBOOK

MAINTENANCE

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK
	HOURS	10ths	
1-21-2002			HM 1726.8 Removed ELT for repair and reinstalled after repair by Naren Avionics WO# 37372 with new batt (Batt Due Feb 2004) opts tested and inspected per 91.207 d. Replaced R+ main gear PN 5727110-8 unlock actuator. Ran retraction tests. <u>Edward G. Adams</u> A+P 508804973

MAINTENANCE RECORD

			DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
DATE	TIME IN SERVICE			
	HOURS	10ths		
2-17-02	HM	1744	Removed & replaced right Alternator with overhaul exchange unit from Quality Aircraft Accessories Inc, Tulsa, OK, w/o #8105 P/N 642056 S/N A135141. Ran & check system normal.	Track #9859 bary S. Keller ARP 510585613
3-27-02	HM	1766	Removed & Replaced right Alternator with exchanged unit.	SN F2386.10 bary S. Keller ARP 510585613

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
8-8-2002	HM	1865	Complied with AD 2000-01-16 Para (b) visual exhaust inspection. Replaced induction air filters on both engines with paper PN AM106735EA. Replaced left nav bulb PN W1290. Edward J Adams	ARP 508804923

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
9-3-02	HM		1912 c/w AD 00-01-16 part b, Sang & Keller A&P	510585613
11-4-02	HM		1949 c/w exhaust AD 00-01-16-pt b Sang & Keller A&P	510585613
11-13-02	HM		1956. Removed pilots Altimeter for repair and reinstalled after repair by Mid Continent Inst WO# WRK 0006478 Edward J. Adams A&P 50820497	

This altimeter has been inspected, tested, and certified to comply with FAR 91.411 per FAR 43 Appendix E to an altitude of 35,000 ft. PN 42540-6128 SN 8654

WO# 6478 DATE 11/12/02

Inspection AD

Altimeter Type: ☒ Encoding ☐ Standard

☒ Mid-Continent Instrument Co. - Wichita, KS

☐ Mid-Continent West - Van Nuys, CA

Mid-Continent Instrument Co., Inc.
16320 Stagg Street
Van Nuys, CA 91406
800-345-7599 • 818-786-0300

Altitude	Altitude	Altitude	Altitude	Altitude	Altitude
1000	1000	1000	1000	1000	1000
2000	2000	2000	2000	2000	2000
3000	3000	3000	3000	3000	3000
4000	4000	4000	4000	4000	4000
5000	5000	5000	5000	5000	5000
6000	6000	6000	6000	6000	6000
7000	7000	7000	7000	7000	7000
8000	8000	8000	8000	8000	8000
9000	9000	9000	9000	9000	9000
10000	10000	10000	10000	10000	10000
11000	11000	11000	11000	11000	11000
12000	12000	12000	12000	12000	12000

MID-CONTINENT INSTRUMENTS

Altimeter Scale
Correction Card

Altimeter S/N 8654
Part No. 42540-6128

Reference Altitude In Ft.	Altimeter Reads	Reference Altitude In Ft.	Altimeter Reads
-1000	7,015	14000	14,000
0	0	16000	15,990
500	500	18000	17,985
1000	1,000	20000	19,995
1500	1,500	22000	22,000
2000	2,000	25000	24,990
3000	3,000	30000	30,000
4000	4,000	35000	34,980
6000	5,980	40000	
8000	7,990	45000	
10000	10,000	50000	
12000	12,000		

Tested By: NLS 601 Inspector: AD Date: 11/12/02

MID-CONTINENT INSTRUMENT CO., INC.

9400 E. 34th St. North
Wichita, KS 67226

800-821-1212 • 316-630-0101
FAA Repair Station #OL2R061L

MID-CONTINENT INSTRUMENTS WEST

16320 Stagg Street
Van Nuys, CA 91406

800-345-7599 • 818-786-0300
FAA Repair Station # OL2D061L

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19				
1-2-2003			HM 1986 Total 4315 Inspected and lubed controls. Checked operation of lights pitot heat vent & static heat, & prop deice. Checked ELT operation and inspected per FAR 91.207 d ELT Batt due Feb 2004, Ran retraction and gear warning system tests. Complied	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			with ADs 84-26-02 paper airfilter inspection,	
2000-01-16			para (b) exhaust & visual inspection (c) tailpipe (d) inspect firewall & beams, & (e) Press test system Replaced right alternator with overhauled exchange unit SN E059202 from Quality Aircraft Accessories WO #14318	
			Cleaned heater plug and replaced brushes. (Cont next page)	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE FOR A/VAN <u>Annual</u> INSPECTION FAF-APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION DATE: <u>1-2-2003</u> TOTAL TIME <u>4315</u> SIGNED <u>Edward G. Adams</u> <u>1A508804973</u> EDWARD G. ADAMS 1A508804973	Aircraft Services, Inc. 2145 S. Airservice Rd. Garden City, KS 67846 (316) 275-5535

2-19-2003 HM 2056. Replaced left dry air pump with OH unit PN 44100 SM 11953 WO# 37043 from Aero Accessories, & cleaned air lines. Replaced right hydraulic pump with OH unit PN 24194 RAA SN 504 WO# 15555 from Quality Aircraft

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			accessories. Replaced instrement air manifold pN	
			1H5-9 with new. Inspected both engine exhaust systems per 2000-01-16	
			para (b) visual inspection. Replaced both prop deice brush blocks PN C40179	
			Test run for operation and leaks. Edward G. Adams A4P508804973	

19.

1. Approving National Aviation Authority/Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG						3. Form Tracking Number: QAA# 15311	
4. Organization Name and Address: Quality Aircraft Accessories Inc. (QYIR334Y) 5746 E. Apache, Bldg. A Tulsa, OK 74115		Phone: 1-877-833-6948 918-835-6948 Fax: 918-835-2804						5. Work Order/Invoice Number: INV # 14747	
6. Item	7. Description	8. Part/Number	9. Eligibility*	10. Qty	11. Serial/Batch Number	12. Status/Work			
1	Alternator	649304	(VARIOUS)	1	E296030	overhaul (exchange)			
13. Remarks:									
See Attached Work Order Summary for details. 2 pages (MECH: CL)									
14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 15.			19. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the item(s) is (are) approved for return to service.						
15. Authorized Signature: <i>Susan Unshar</i>		16. Approval/Authorization No.:		20. Authorized Signature: <i>Susan Unshar</i>		21. Approval/Certificate No.: QYIR334Y			
17. Name (Typed or Printed): <i>Susan Unshar</i>		18. Date (m/d/y): <i>12/23/02</i>		23. Date (m/d/y): <i>12/23/02</i>					

AUTHORIZED SIGNATURE,
CERTIFICATE TYPE
& NUMBER

para (b) visual

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✓ A & P 510585613
J. Keller

AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

[illegible]

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
12-17-2003			HM 2302 Removed flight director and replaced with overhauled exchange unit PN 1U367-006-6-G-550A S.N. 1-3735F from Mid-Continent Inst W.O. WRK0025627. Edward Adams A9P508804973	

N 54786

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number. 85459	
4. Organization Name and Address. Porter-Strait Instrument Co., Inc. 2708 North Sheridan Road Tulsa, Oklahoma 74115 FAA Repair Station No. E12R795K				5. Work Order, Contract, or Invoice Number. 85459	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:
1	NSD	520137-1333	TBV By Installer	ONE	1-7846
12. Status/Work: REPAIRED					
13. REMARKS Replaced defective parts. Relubed gear hubassy. Repaired & tested unit 1/A/W applicable Specs					
14. Certifies the item identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13			15. ☒ 14 CFR 43.9 Return to Service ☐ Other regulation specified in Block 13 Certifies that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
15. Authorized Signature:		16. Approval Authorization No:		20. Authorized Signature:	
					
17. Name (Typed or Printed):		18. Date (m/d/y):		22. Name (Typed or Printed):	
				J. Bush	
				21. Approval/Certificate No: E12R795K	
				23. Date (m/d/y): 1-27-2004	
User/Installer Responsibilities					
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly. Where the user/installer performs works in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1 it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1. Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulation by the user/installer before the aircraft may be flown.					

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
1-28-04			HM 2323 TOTAL 4652 Inspected and lubed controls,	
			checked operation of lights, stall warning, pitot	
			heat, & prop deice. Removed HSI for repair by Porter-Strait	
			Inst and reinstalled. Removed O ₂ and gear blowdown bottles	
			for recertification and reinstalled (see Kelly Aerospace tags)	

O₂ & Blow down bottle Next Due Jan 2008

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			and serviced with oxygen & nitrogen. Replaced	
			ELT Batt BP-1010 and opts tested and inspected ELT per	
			91.207d. ELT Batt due March 2006. Ran retraction	
			and gear warning system opts tests and serviced	
Continued			hycl reservoir. C. W. ADs 2000-01-16 paragraphs (b), (c), (d) & (e)	
Next Page			95-09-13 float float valves, & 84-26-03 Replaced filters	

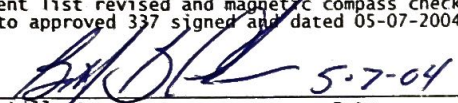
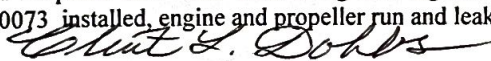
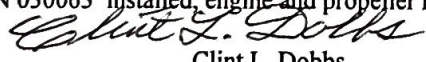
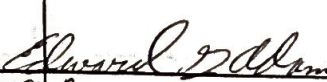
MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			Continued from Previous page.	
28-04	HM 2323	TOTAL 4652	I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ACCORDANCE FOR AN <u>Annual</u> INSPECTION FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION DATE: <u>1-28-04</u> TOTAL TIME <u>4652</u> <u>Edward G. Adams</u> EDWARD G. ADAMS 1A508804973	
			Aircraft Services, Inc. 2145 S. Airservice Rd. Garden City, KS 67846 (316) 275-5535	
3-01-04	HM 2373		Replaced left Tack Generator with OH exchange unit	
			from Quality Aircraft Accessories, PN 22A667 SN 32503 WO*22004. Test	
			run OK Edward G. Adams A9P 508804973	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
4-19-2004	HM 2428		Replaced both voltage regulators with OH	
			exchange units PN B-00296-3 SNs 17150 & 13981 from Kelly Aero-	
			space. Replaced left main and nose gear tire with 6x50x10 10 ply	
			+ 600x6 8 ply Condors. Inspected exhaust visually per 2000-01-16 para	
			(b) Edward	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19				
TOMLINSON AVIONICS OF TEXAS 2230 Airport Dr. Gainesville, TX. 76240 T3TR390N LOG ID# 356 07-May-2004 WO# 7969 REF# 7969 N5478G S/N 421C0225 CESSNA 421C Pg 1 / 1				
1. Removed {1} Kwx 50 / 60 Radar system. 2. Installed {1} Bendix King ART 2000 Radar/ Antenna; {1} Bendix King IN 182A color radar indicator. a. The ART 2000 is installed at STA.12.0, with the IN 182A indicator installed at STA.113.5 in accordance with Manufacture Installation Manual #006-00643-0007{Rev 7}; TAT drawings # N5478G-1 thru -4 ; and AC 43.13-2A, chapter 2, paragraph 21, 22, & 23. b. This installation complies with FAR 23.1301, 23.1431, 23.1329. c. Radar system was ground tested and flight tested, does not adversely affect any other components of aircraft, and meets the requirements of AC 20-138, section 7. 3. Electrical harness is fabricated and routed as per AC 43.13-1B, chapter 11, section 3, paragraph 445 and section 7. 4. Electrical loading as per AC 43.13-1B chapter 11, section 2. 5. New weight and balance computed and entered in aircraft records. 6. Equipment list revised and magnetic compass checked on ground. 7. Refer to approved 337 signed and dated 05-07-2004 for pertinent details.				
 T3TR390N Billy G Palmertree Date 5-7-04				
Tomlinson Aviation 2230 Airport Drive Gainesville, TX 76240 940 612-2044				
6/7/2004 2433.7 hours 0.0 SPOH. Right propeller removed for overhaul. Propeller overhauled by M&M Propeller Inc. See Yellow tag and logbook entry by M&M. Propeller hub S/N 030073 installed, engine and propeller run and leak checked good.  Clint L. Dobbs A&P 459290600.				
Tomlinson Aviation 2230 Airport Drive Gainesville, TX 76240 940 612-2044				
6/7/2004 2433.7 hours 0.0 SPOH. Left propeller removed for overhaul. Propeller overhauled by M&M Propeller Inc. See Yellow tag and logbook entry by M&M. Propeller hub S/N 030063 installed, engine and propeller run and leak checked good.  Clint L. Dobbs A&P 459290600.				
6-2-2004 HM 2456 Replaced Right dry air pump with overhauled exchange unit from Aero Accessories Inc. PN 441CC SN 24107 WO# 43068. Test run for operation & leaks.  H9P508804973				

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
6-8-2004	HM 2464		Inspected exhaust per 2000-01-16 para (b) visual inspection. Edward J Adams APP508804973	
8-11-04	HM 2510		Replaced Right main tire with 650X10 10 ply Condor. Replaced wheel half bolts in both main wheels with new AN4-32A bolts. Edward J Adams APP508804973	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19-2004	HM 2524		inspected both exhaust systems per 2000-01-16 para (b) visual inspection. Replaced tail nav bulb. Edward J Adams APP508804973	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNA CERTIFICATE TY & NUMBER
19__	HOURS		
		4M 2556 Removed and replaced heater combustion blower motor with overhauled exchange unit from craft-heating & electrical. PN WZ1V027 WO#1004041	
		ops test ok. Edward J Adams A9P508804973	

1. Approving National Aviation Authority / Country: FAA / UNITED STATES		2. AUTHORIZED RELEASE FAA FORM 8130-3, AIRWOR	
4. Organization Name and Address: BEVAN-RABELL, INC. 1880 AIRPORT ROAD WICHITA, KS 67209			
6. Item:	7. Description:	8. Part Number:	9.
1	TRANSPONDER TDR 950	622-2092-001	TSO
13. REMARKS: REFERENCE SERVICE SHOP REPORT FOR WOR This unit was repaired and tested in accordance with MM# 523-0766465-004118 4th Edition August 1 198			
14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approved design data specified in Block 13			
15. Authorized Signature:		16. Approval Authorization No.:	
17. Name (Typed or Printed):		18. Date (m/d/y):	
User/Installer			
It is important to understand that the existence of this Document alone does not			
When the aircraft is returned to service, it is to be maintained with the			
TOTAL TIME IN SERVICE			
DATE	19	HOURS	10ths

MAINTENANCE RECORD

Continued From Previous Page

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19			1-25-2005 HM 2638 TOTAL 4967	
			CW ADs 2000-01-16 para (b) visual inspection of exhaust (c) inspect tailpipes (d) inspect eng mount beams & firewall & (e) press test exhaust.	
			84-26-02 inspect air filters	
			Aircraft Services, Inc. 2145 S. Airservice Rd. Garden City, KS 67846 (316) 275-5535	
			I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED ACCORDANCE FOR A/N <u>Annual</u> INSPECTION FAR 43 APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION	
			DATE: <u>1-25-05</u> TOTAL TIME <u>4967</u>	
			SIGNED <u>Edward G. Adams</u> EDWARD G. ADAMS 14508801973	

Component	Serial Number	Component	Serial Number
CAMSHAFT	Z04HR017	METERING UNIT	A04KA125R
CRANKSHAFT	D199525N	STARTER	Y-040431
CRANKCASE	R04IA157	ALTERNATOR	004KA126R
DRIVE GEAR	2089	CONTROLLER	HI000036
DRIVEN GEAR	1055V	OIL COOLER	H04-2141-90

Engine Component Information Sheet

Printed: 01/13/2005

Assembled: 01/07/2005

Shipped: 01/13/2005

Packed: 01/13/2005

Customer Name: OMAHA AIRPLANE SUPPLY

Shipping Address:

Serial: 825067

Spec: GTS10520L7B

New/Rebuilt: (REBUILT)

Left Eng

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
2-08-2005			HM 2653 3/4 Removed right alternator and replaced with overhauled exchange unit from Quality Aircraft Accessories; WO# 26802 SNA148609 & PN 649304. Test run for operation and leaks.	
			Edward J. Blum AFD 508804973	

MAINTENANCE RECORD

[illegible]

MID-CONTINENT INSTRUMENTS

Altitude Scale
Correction Card

Altitude S/N 8654
Part No. 42540-6128

Reference Altitude in Ft.	Altitude Reads	Reference Altitude in Ft.	Altitude Reads
-1000	-1005	14000	14000
0	-5	15000	14995
500	495	16000	15990
1000	995	18000	17980
1500	1495	20000	19990
2000	2000	22000	22005
3000	3000	25000	24995
4000	4000	30000	29995
5000	4990	35000	34990
6000	5985	40000	
8000	7990	45000	
10000	10000	50000	
12000	12005		

Tested By: BIP633 Inspector: AB Date: 3/4/05

☒ MID-CONTINENT INSTRUMENT CO. INC.
9400 E. 34th St. North
Wichita, KS 67226 USA
Tel 800-821-1212 • 316-630-0101
FAA Repair Station # OL2R061L

☐ MID-CONTINENT INSTRUMENTS WEST
16320 Slagg Street
Van Nuys, CA 91406 USA
Tel 800-345-7599 • 818-786-0300
FAA Repair Station # OL2D061L

INSTRUMENTS CO., INC.

ST. NORTH
KS 67226
OL2R061L

WRK0053380

3/3/2005

Page: 1

Work Order

Location KS	RMA # RMA000000067144	AR # 3700
Quantity 1		
Service Period		
Customer Reference No.		

WASH, NEED ASAP.

Instructions

Seals Broken No Cover Damaged No Hidden Damage Inspection Required No
Nameplate Damaged No Finding

Preliminary Inspector BOBBY PHILLIPS

Date 3/3/2005

Failure Analysis

Customer Complaint Verified

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
5-10-2005			HM 2736 Replaced right main tire with new 650X10, 10 ply Condor. tire. Visually inspected both exhaust systems per AD 2000-01-16 para (b). Edward J. Adams AWP 5088504922	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
8-3-05	HM	2804	Remove & replace ^{Tag} Alternator with exchange unit PIN 6493042 S/N ^{id} A148609.Q/A w/o 26802 New C199710.0R	<i>Sarge B Keller</i> A4P 510585613
8-10-2005	HM	2808	Replaced left main tire with new Condor 6.50 x 10, 10ply tire. Replaced left landing light motor PNA6532 and gear PNA6580. Edward & Adams A4P 508804973	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
12-01-05	HM	2901	Replaced right tack generator with overhauled exchange unit PN 22A667 SNA1808-AT-15592 from Kelly Aerospace. Test run OK. Edward & Adams A4P 508804973	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
12-05-05			HM 2909 Replaced cabin lights circuit breaker with new C/B - switch part No 3C-W31X2M1G5. Edward J Adams ACP 508804973	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			The Altimeter and Static systems tests required by FAR 91.411/Far43. Appendix E have been performed this date <u>12/14/05</u> Altimeter S/N _____ Certified this date <u>12/14/05</u> By Bevan-Rabell Inc. Per W.O. <u>27566</u> Bevan-Rabell, Inc. C.R.S. KG2R951K This aircraft's Transponder, Make _____ Model _____ S/N _____; Altitude Encoder Make _____ Model _____ S/N _____ has been inspected and complies with the requirements of FAR 91.413 and FAR43, Appendix F Date: <u>12/14/05</u> <u>0000</u> Bevan-Rabell, Inc. C.R.S. KG2R951K	

NS47867
 11 2907.8

1. Approving National Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: AA 48362	
4. Organization/Name and Address Aero Accessories, Inc. • 1240 Springwood Avenue • Gibsonville, NC 27249 USA FAA-PMA (PQ1206CE)				5. Work Order/Contract/Invoice Number: 48362	
6. Item	7. Description	8. Part Number	9. Eligibility	10. Quantity	11. Serial/Batch Number
1	Dry Air Pump	441CC	N/A	1	36446
12. Status/Work Newly Overhauled					
13. Remarks Overhauled & Tested in accordance with FAA approved data					
14. Certifies the items identified above were manufactured in conformity to: ☐ Approved design data and are in a condition for safe operation. ☐ Non-approval design data specified in Block 13.			19. ☒ 14 CFR 43.9 Return To Service ☐ Other Regulation Specified in Block 13 Certifies that unless otherwise specified in block 13, the work identified in block 12 and described in block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.		
15. Authorized Signature		16. Approval/Authorization No.		20. Authorized Signature <i>Kim Claar</i>	
17. Name (Typed or Printed):		18. Date (M/D/Y)		21. Approval/Certificate No.: YV4R688M	
				22. Name (Typed or Printed): KIM CLaar	
				23. Date (M/D/Y): FEB 22 2005	
User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the performance/assembly. Where the user/installer work is in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that the Airworthiness Authority accepts part/ components/assembly from the Airworthiness Authority of the country specified in block 1. Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown. FAA form 8130-3 (08-01)					

15254	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
10rd mounts, hoses, &	
prop governor	
THIS AIRCRAFT HAS BEEN INSPECTED FOR AN <u>Annual</u> INSPECTION FAR 43 AND WAS DETERMINED TO BE IN AIRWORTHY	

2145 S. Airservice Rd.
Garden City, KS 67846
(816) 275-5535
430

DATE 1-13-2006 TOTAL TIME 5254
SIGNED *Edward G. Adams*
EDWARD G. ADAMS IA508804973

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
1-18-2006	HM		Complied with AD 2005-20-25 Avionics CB-switch does not apply due to switch P.N. <i>Edward G. Adams</i> A4P508804973	



785-354-7055
Billard Airport
Topeka, Ks. 66616
R. S. # M12R006L

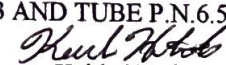
Airframe Log
N5478G
C-421C
421C-0225

2-16-06

Hobbs time: 2951.7

W. O. # 06-1525

REPLACED RT MAIN TIRE P.N. 650C06-3 AND TUBE P.N. 6.50X10.


 Keith Hetrick

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			4/19/06 HM 2993. 3/10 Removed & Replaced Both Brake Discs with P/N 5B-164-06406, and All Brake Pads with P/N 066-06600, Removed & Replaced LT main Tire with Flight Custom III. 6.50X10. Gary S. Keller A&P 3112325	
			Date 6/9/06 HM 3029. 3/10. Removed & Replaced Flight Director with Overhauled Exchange Unit. From Porter-Straight P/N - G550A S/N 1-T 4106F. Tested For Operation. Operation Test OK. Gary S. Keller A&P 3112325	

SERVICE BULLETIN COMPLIANCE RECORD

S.B. NUMBER	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE S.B. (X)		NEXT COMPLIANCE DUE DATE/ HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
		AIRFRAME	COMPONENT	ONE-TIME	RECURRING			
6-21-06	HM 3040							Inspected both exhaust systems visually per AD 2000-01-16 para (b). Edward J Adams A&P 508804973
8-03-06	HM 3060							Inspected exhaust per 2000-01-16 para (b). Ran retraction & gear warning system & tests. Lubed gear. Checked lights, prop deice & pitot heat. & tests tested & inspected ELT Batt due Jan 2008. Edward J Adams A&P 508804973

S.B. NUMBER	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE S.B. (X)		NEXT COMPLIANCE DUE-DATE/HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
		AIRFRAME	COMPONENT	ONE-TIME	RECURRING			
1-12-2007	HM 3188	TOTAL	5517	17				Inspected and lubed controls checked operation of lights pitot heat prop deice and stall warning. Replaced left wing tip strobe power pack with overhauled exchange unit PN 60-2799-1A. Replaced switch for windshield heat PN 60-2799-1A . Replaced combustion heater duct with new. Replaced combustion heater control switch PN 34D41. Pressure decay tested heater and opts tested air switch per AD 2004-21-05. Opts tested and inspected ELT per 91.207 d ELT Batt due Jun 2008. Inspected heater fuel regulator for leaks per 2004-25-16. Ran retraction & gear warning system opts tests & serviced gear. Inspected & cleaned fuel screens. Complied with 2000-01-16 para (b) exhaust visual inspection (c) fuel pipes (d) eng beams & firewall & (e) press test exhaust. Removed fire extinguisher bottles for recertification and reinstalled. ^{after O.H.} See Kelly Aerospace W.O. #s AE-66475 & AE-66476

SERVICE BULLETIN COMPLIANCE RECORD

S.B. NUMBER	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE S.B. (X)		NEXT COMPLIANCE DUE-DATE/HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
		AIRFRAME	COMPONENT	ONE-TIME	RECURRING			
		Aircraft Services, Inc. 2145 S. Airservice Rd. Garden City, KS 67846 (620) 275-5535						CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE FOR A/N <u>Annual</u> INSPECTION OF APPENDIX D AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <u>HM 3188</u> DATE: <u>1-12-07</u> TOTAL TIME: <u>5517</u> SIGNED: <u>Edward G. Adams</u> EDWARD G. ADAMS IA508804973
2-27-07	HM 3218							Resealed left main gear strut with A2749 Poly Pak seal & m528775-229 Seal, Serviced with 5606 & Nitrogen. <u>Edward G. Adams</u> A&P 508804973
3-27-07	HM 3250							Replaced right landing light retract gears & tested ok. <u>Edward G. Adams</u> A&P 508804973
4-20-07	HM 3283							Replaced right engine starter motor. <u>Edward G. Adams</u> A&P 508804973

SERVICE BULLETIN COMPLIANCE RECORD

S.B. NUMBER	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE S.B. (X)		NEXT COMPLIANCE DUE-DATE/HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
		AIRFRAME	COMPONENT	ONE-TIME	RECURRING			
6-19-07	HM 3308	Replaced right main tire with 650x10 10ply Flight custom III & repacked wheel bearings. Edward Adams A4P08804973						
		Replaced ft. torque link bushings E.S. A 508804973						
8-28-07	HM 3348	Replaced engine primer switch PN 13AT100 & opts tested OK. Edward Adams A4P508804973						
9-04-2007	HM 3368	Replaced gear extension hydraulic line from forward pressure bulkhead to tee behind pilots seat. Serviced system with Mil 5606 and ran several gear retraction - extension cycles and checked gear warning system opts Edward Adams A4P508804973						

AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD

A.D. NUMBER AND AMENDMENT NO.	METHOD OF COMPLIANCE	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE A.D. (X)		NEXT COMPLIANCE DUE-DATE/HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
			AIRFRAME	COMPONENT	ONE-TIME	RE-CURRING			

BEVAN-RABELL, INC. 1880 AIRPORT ROAD WICHITA, KS 67209 KG2R951K
 LOG ID# 2926 19-December-2007 WO# 36002/1 HOBBS 3429.0
 N5478G S/N 421C0225 CESSNA 421C

Pg 1 / 1

COMPLIED WITH GARMIN SERVICE BULLETIN NO. 0740 REV. A. UPDATED GNS 430W AND GNS 530W MAIN TO VERSION 3.00, GPS SOFTWARE TO VERSION 3.0. THE PREVIOUS FLIGHT MANUAL SUPPLEMENT WAS REMOVED AND FLIGHT MANUAL SUPPLEMENT NO. 190-00643-01 AND NO. 190-00357-03 WAS INCLUDED IN THE AIRCRAFT RECORDS.

THE AIRCRAFT OR COMPONENT IDENTIFIED WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.

KG2R951K KENT MCINTYRE, INSPECTOR

12/15/07
 Date

A.D. NUMBER AND AMENDMENT NO.	METHOD OF COMPLIANCE	DATE OF COMPLIANCE	TOTAL TIME IN SERVICE		TYPE A.D. (X)		NEXT COMPLIANCE DUE-DATE/ HOURS/OTHER	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER	REMARKS
			AIRFRAME	COMPONENT	ONE- TIME	RE- CURRING			
BEVAN-RABELL, INC. 1880 AIRPORT ROAD WICHITA, KS 67209 KG2R951K LOG ID# 2686 12-July-2007 WO# 33900 HOBBS 3314.8 N5478G S/N 421C0225 CESSNA 421C Pg 1 / 1									
Installed Garmin GNS430W Series GPS WAAS receiver in accordance with Garmin AT STC SA01933LA, FAA Approved Garmin 400W Series MDL 005-C0221-00. An FAA Approved Flight Manual Supplement, P/N 190-00356-63, has been included in the aircraft records. Installed Garmin GNS430W Series GPS WAAS receiver in accordance with Garmin AT STC SA01933LA, FAA Approved Garmin 400W Series MDL 005-C0221-00. An FAA Approved Flight Manual Supplement, P/N 190-00356-63, has been included in the aircraft records. Installed Garmin AT GDL69 datalink receiver in accordance with Garmin AT STC SA01487E, MDL 005-C0217-00, Installation Instructions No. 190-00355-02. Autopilot components removed for bench repair and reinstalled following. Reference Bevan Rabell, Inc. FAA Form 8130-3's for details. Pilots horizon removed for overhaul and reinstalled. See Porter Strait FAA Form 8130-3 for details. Removed Collins Nav/Com & power supply, AA100 Radar Altimeter, KN62 DME and Northstart Loran. All work done using AC43.13-18, Sections 11 & 12 and AC43.13-2A, Chapters 2 & 3. Aircraft weight and Balance and Equipment list amended as required. PERFORMED IFR CERTIFICATION, COMPLIED WITH FAR 91.217(B), COMPLIED WITH FAR 91.411 AND FAR 91.413 COMPLIED WITH PART 43 APPENDIX E, PARAGRAPH C AND PART 43 APPENDIX F. THE AIRCRAFT OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION. CRS KG2R951K Kent McIntyre, Insp. Date									

[illegible]

RTI