

June 2009 thru March 2017

#5



**AIRFRAME
MAINTENANCE
RECORDS**

Registration No. N101DF

Serial No. 421B0315



AIRFRAME MAINTENANCE RECORDS

Log No. 5

Aircraft Registration No. N100DF

Model GT510-520-H

Serial No. 421B0315

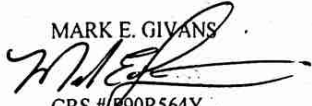
Waco Regional Airport • P.O. Box 5219 • Waco, Texas 76708

254/752-8381

FAX 254-752-3307

1-800-445-9713

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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><i>Precision Aerospace Technologies, Inc.</i> 305 Runway Rd. Batesville, AR 72501 (870) 251-2533 (Office) – (870) 251-2561 (Fax)</p> <table border="1" style="margin: 0 auto;"> <thead> <tr> <th>Make</th> <th>Model</th> <th>ACFT S/N</th> <th>N #</th> <th>HOBBS</th> <th>TTAF</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>CESSNA</td> <td>421B</td> <td>421B0315</td> <td>N101DF</td> <td>1454.2</td> <td>5660.3</td> <td>JUN 23, 2009</td> </tr> </tbody> </table> <p>1.) REMOVED AND REPLACED L/H ICE LIGHT SOCKET P/N 0820501-13 WITH NEW. OPS CHECKED GOOD AT THIS TIME. 2.) REMOVED EXISTING TAIL BEACON P/N C621002-0106, S/N 3781. INSTALLED NEW WHELEN TAIL STROBE P/N 01-0770029-29, S/N 283331 IN ACCORDANCE WITH STC SA615EA. ADDED WEIGHT TO THE BOTTOM OF THE WHELEN STROBE TO MATCH THE WEIGHT OF THE REMOVED BEACON OF 1.80 LBS. OPS CHECKED GOOD AT THIS TIME. SEE FAA FORM 337 DATED JUN 23, 2009. IN ACCORDANCE WITH THE WORK MENTIONED ABOVE, THIS ARTICLE IS APPROVED FOR RETURN TO SERVICE. ALL LEAK CHECKS, FUNCTION CHECKS AND/OR INSPECTIONS WERE DONE IN ACCORDANCE WITH APPLICABLE MAINTENANCE MANUALS. DETAILS OF THE WORK PERFORMED CAN BE FOUND AT THIS AGENCY UNDER WORK ORDER NUMBER 6725.</p> <p style="text-align: right;">MARK E. GIVANS  CRS #P90R564Y</p>					Make	Model	ACFT S/N	N #	HOBBS	TTAF	DATE	CESSNA	421B	421B0315	N101DF	1454.2	5660.3	JUN 23, 2009
Make	Model	ACFT S/N	N #	HOBBS	TTAF	DATE												
CESSNA	421B	421B0315	N101DF	1454.2	5660.3	JUN 23, 2009												
				SUB-TOTALS this page														
				TOTALS —Carry forward to next page														

AMOS FLYING SERVICE INC.
30 Redbud Drive
Batesville, Arkansas 72501

MAINTENANCE RECORD

3-Sep-09

AIRCRAFT LOGBOOK ENTRY FOR: 101DF

Aircraft: Cessna 421B Serial Number: 421B0315 TT: 5721:40 HM: 1515:30
Right Engine: GTSIO-520-H S/N 267487-R TT: 531:8
Left Engine: GTSIO-520-H S/N 234846-R TT: 531:8
Right Propeller: McCauley S/N 725396 TT: 2022:6 TSO: 873:3
Left Propeller: McCauley S/N 725358 TT: 2022:6 TSO: 873:3
Heater HM: 315:3

The below listed items were accomplished in accordance with Cessna 421 Service Manual and other approved or acceptable data:

1. RH de-ice wire repaired & bulb replaced.
2. Replaced battery - Gill G-244.
3. Replaced Nose tire & tubes. Packed bearings.
4. Replaced Main tires & tubes. Packed bearings.
5. Replaced Brake linings on all wheels.
6. Serviced Brake systems.
7. Replaced bolts in both Aeilons, Elevator & Trim Tab Horns.
8. Replaced missisng VORTEX Generators on leading edge of wings.
9. Shimed scissors on main gear for alignment.
10. Patched de-ice boots.
11. Lube Controls.
12. Serviced Air Conditioner Unit.
13. Repaired plug on electric seat on Pilots side.

CW AD 72-14-09R - Due every 60/Hrs TIS. Due at 5781:4
CW AD 84-26-02 - Due every 500/Hrs TIS. Due at 6221:4
CW AD 81-09-09 - Stewart Warner Heater - Not due. Due at 766:3
CW AD 76-13-07 - Fork Bolts. Not due at this time. Due 10116:3
CW AD 2000-01-16 Exhaust Systems.

AD'S CW thru 9/03/09. AD list in logbooks binder.

I have inspected this aircraft in accordance with Cessna Maintenance Manual and approved check list and completed a 100/Hr Inspection.

Mark Herley A&P
Mark Herley, A&P 432399276

I certify this Aircraft has been inspected in accordance with a Annual Inspection and determined to be in airworthy condition.

Russell Amos
Russell Amos IA 2643767

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				

Precision Aerospace Technologies, Inc.

305 Runway Rd. Batesville, AR 72501 (870) 251-2533 (Office) – (870) 251-2561 (Fax)

Make	Model	ACFT S/N	N #	HOBBS	DATE
CESSNA	421B	421B0315	N101DF	1723.2	APR 21, 2010

1.) CHECKED CABIN PRESSURIZATION. REMOVED ALL ACCESS PANELS ON LT AND RT WINGS AND ENGINE COWLINGS. INSPECTED ALL DUCTS FROM ENGINE TO CABIN. ALSO CHECKED LANDING GEAR BOOTS. NO DISCREPANCIES NOTED. PRESSURIZED AIRCRAFT WITH GROUND PRESSURIZATION CART. FOUND NO MAJOR LEAKS. OPS CHECKED SAFETY VALVE AND OUTFLOW VALVES, NO DISCREPANCIES FOUND. REMOVED SQUAT SWITCH AND CHECKED WIRING AND OPS CHECKED WITH NO DISCREPANCIES FOUND. CLEANED CONTROLLER FILTER AND AFT SAFETY VALVE FILTER. REINSTALLED CONTROLLER AND ALL ACCESS PANELS. FLIGHT TESTED AIRCRAFT AND PERFORMED FLIGHT TEST IAW CESSNA 421B MAINTENANCE MANUAL. FOUND CONTROLLER ERRATIC AT PRESSURIZING AND RATE OF DESCENT WILL NOT HOLD BELOW 1000 FEET PER MINUTE. CUSTOMER HAS DEFERRED FURTHER ACTION AT THIS TIME.
 DETAILS OF THE WORK PERFORMED CAN BE FOUND AT THIS AGENCY UNDER WORK ORDER NUMBER 7130.

MARK E. GIVANS



CRS # P90R564Y


Precision Aerospace Technologies, Inc.

305 Runway Rd. Batesville, AR 72501 (870) 251-2533 (Office) – (870) 251-2561 (Fax)

Make	Model	ACFT S/N	N #	HOBBS	DATE
CESSNA	421B	421B0315	N101DF	1657.5	MAR 09, 2010

1.) REMOVED OXYGEN BOTTLE P/N 801365-14, S/N 792496/403 FOR HYDROSTATIC TEST. PLACARD INSTRUMENT PANEL "O2 BOTTLE REMOVED".
 2.) REMOVED PUSH / PULL CABLE CESSNA P/N 5117239-5 FOR OXYGEN VALVE SHUT OFF. INSTALLED NEW MCFARLANE MC6150 UNIVERSAL NON TSO'd PUSH TO UNLOCK CONTROL CABLE P/N MC6150-071CC144 IN EXISTING LOCATION IN ACCORDANCE WITH CESSNA 421 SERVICE MANUAL 13-32A. SEE FAA FORM 337 DATED 03/09/2010.
 3.) REINSTALLED INSPECTED OXYGEN BOTTLE P/N 801365-14, S/N 792496/403. NEXT HYDROSTATIC TEST DUE: FEB 2011. REMOVED PREVIOUSLY INSTALLED PLACARD. OXYGEN BOTTLE LEAK CHECKED GOOD AT THIS TIME. IN ACCORDANCE WITH THE WORK MENTIONED ABOVE, THIS ARTICLE IS APPROVED FOR RETURN TO SERVICE. ALL LEAK CHECKS, FUNCTION CHECKS AND/OR INSPECTIONS WERE DONE IN ACCORDANCE WITH APPLICABLE MAINTENANCE MANUALS. DETAILS OF THE WORK PERFORMED CAN BE FOUND AT THIS AGENCY UNDER WORK ORDER NUMBER 7038.

MARK E. GIVANS



CRS # P90R564Y

This Transponder

#1 Make Bend King Model KT76C S/N 6294
 #2 Make B/K Model KT76A S/N 39087
 Has been tested and inspected and found to comply with Appendix F of Part 43 in accordance with FAR 91.413.
 Work Order # 7168 Date 5-17-2010
 Signed Tommy Waymash
 Precision Aerospace Technologies, Inc.
 305 Runway Road
 Batesville, AR 72501 CRS # P90R564Y Form 20

I certify that the Static Pressure System Altimeter Instrument has been tested as required by FAR 91.411, Part 43, Appendix E and F.
 Static System Test Date 5-17-2010
 to 35,000 feet.
 Pertinent details are on file at this agency under Work Order # 7168
 Signature Tommy Waymash
 Precision Aerospace Technologies, Inc.
 305 Runway Road
 Batesville, AR 72501 CRS # P90R564Y
 Form 17

TOTALS

S-Carr

Altimeter Correction Chart <i>Pilot</i>				Serial Number <i>N101DF</i>			
Encoder Within		Actual Altitude	Altimeter Indication	Encoder Within		Actual Altitude	Altimeter Indication
Up	Down			Up	Down		
		-1000	-1000			14,000	14010
<i>+</i>	<i>100</i>	0	<i>+20</i>	<i>+</i>	<i>100</i>	16,000	16030
<i>+</i>		500	<i>520</i>	<i>-</i>		18,000	18020
<i>+</i>		1000	<i>1000</i>			20,000	20050
<i> </i>	<i> </i>	1500	<i>1520</i>	<i> </i>	<i> </i>	22,000	22080
<i> </i>	<i> </i>	2000	<i>2010</i>	<i> </i>	<i> </i>	25,000	25100
<i> </i>	<i> </i>	3000	<i>3020</i>	<i> </i>	<i> </i>	30,000	30100
<i> </i>	<i> </i>	4000	<i>4000</i>	<i> </i>	<i> </i>	35,000	34880
<i> </i>	<i> </i>	6000	<i>6015</i>			40,000	
<i> </i>	<i> </i>	8000	<i>8020</i>			45,000	
		10,000	<i>10010</i>			50,000	
		12,000	<i>12000</i>				

Calibrated in accordance with FAR 43
 Calibrated within specifications up to: *35,000 feet*

Technician: *Tommy Wayman*

Date: *5-17-2010*

Form 15

CRS #P90R564Y

Encoder Correction Chart			Serial Number				
Encoder Within		Actual Altitude	Altimeter Indication	Encoder Within		Actual Altitude	Altimeter Indication
	Down			Up	Down		
		-1000	-980			14,000	13940
A	100	0	10	±	100	16,000	15940
		500	500			18,000	17940
		1000	1000			20,000	19940
		1500	1495			22,000	21940
		2000	1990			25,000	24920
		3000	2980			30,000	29860
		4000	3970			35,000	34860
		6000	5960			40,000	
		8000	7960			45,000	
		10,000	9950			50,000	
		12,000	11960				

Capilot

N181DF

Calibrated in accordance with FAR 43

Calibrated within specifications up to: *35,000 feet*

Technician *Tommy Waymash*

Date: *5-17-2010*

Form 15

CRS #P90R564Y



7929 Karl May Dr.
Waco, Texas 76708
CRS No. AK6R541N

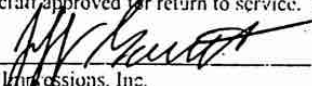
(See next page)

1308.5 Aircraft TT: 5598.4
Hour Meter: 968.4
Date: 09/01/2010
Heater HM: 390.9

Cessna S/N 421B 0315 N101DF

On above referenced aircraft, removed inspection plates and panels for Annual Inspection. Checked pulleys, bellcranks, cables and fairleads. Checked all flight controls for security and movement. Inspected all wing, tail and landing gear attach points. Inspected all aircraft lighting and electrical. Inspected fuel, hydraulic lines and fittings. Ran gear retraction test per Cessna Service Manual. Inspected wheels, tires and brakes. Inspected fuel, hydraulic lines and fittings. Installed overhauled right engine (Supplied by RAM Aircraft) P/N GTISO-520-H S/N 234805.R. Installed rebuilt right turbocharger P/N 408610-9001 S/N NER00115. (See 8130-3.) Installed overhauled pressure relief valve P/N 1020-1 S/N 92880. (See 8130-3.) Installed overhauled right turbo controller P/N 470836-9003 S/N KER0122. (See 8130-3.) Installed overhauled right fuel pressure regulator P/N 642100-2A1 S/N 013920. (See 8130-3.) Installed overhauled right throttle control assembly P/N 639625A9 S/N EC48921AR. (See 8130-3.) Right prop governor was flushed and re-installed with existing time in service. Right tach generator and vacuum pump were re-installed with existing time service. Installed all new prop de-ice brushes on both engines. Installed new elevator trim placard. Cleaned and lubricated engine control cables. Installed new seal for magneto compass and serviced. Installed new radio light rheostat and transistor. Installed new compass light rheostat. Repaired numerous post light assemblies. Serviced air conditioner with R-134. Install new fire extinguisher bracket in cabin. Serviced oxygen system. Installed new alcohol de-ice pump P/N 6568092-1, (See 8130-3) and new line. Installed new pilots and co-pilots seat stops. Repaired right cabin table. Installed 7 seat stops for cabin seats. Repaired left landing light wiring. Repaired left nav light ground. Installed new belly beacon bulb. Repaired right pressurization dump valve cable and rigged. Installed numerous required placards. Repaired wiring for left aux fuel quantity system. Installed new bushings and pins in cabin seat armrest as needed. Adjusted cabin door cables. Installed new external data plate under left horizontal stabilizer. Cleaned and treated flap wells as needed. Replaced numerous rivets in both exhaust trail areas. Installed new right tire. Repaired right nav light cover and painted to match aircraft. Installed new fuel quantity placards. Installed new fuel cap "O" rings. Installed Cessna Service Kit SK414-8E and the following parts P/N 5192002-5, 5022100-54, 5022100-55 and 5192002-6 to repair main landing gear web structures. (See 8130-3 forms.) Installed new bushing for aileron trim tab rod. Installed new bushings for left outboard flap panel. Installed numerous grease zerks for landing gear. Installed new left and right main gear pivot arm bushings and pins. Installed new left and right main gear lock assemblies P/N 084110-3. (See 8130-3 forms.) Installed new left and right main gear down lock brace bushings and spacers. (See 8130-3 forms.) Installed all new seals for right main strut and serviced. Installed cushioning under all wing pressure duct clamps. Cleaned and treated spar fittings. Replaced damaged nutplate for panel AFT of nose gear doors. Installed new right main fuel sump. Safened flap motor bolts. Cleaned and treated under toilet. C/W A.D. 2008-01-16 per paragraphs (b), (c), (d), (e) and (f). (Paragraph (b) next due compliance in 50 hours or 30 days whichever is later.) Installed new multi segmented exhaust clamps for left and right exhaust systems. (Next due replacement at 6508.4 TT.) C/W A.D. 2010-07-08 on Kelly turbochargers and found N/A per P/N and S/N. C/W A.D. 84-26-02 per installation of new left and right induction air filters. (Next due in 300 hours.) Tested ELT unit per FAR 91.207 requirements. Installed new main gyro filter. Installed right propeller P/N 3AF34C92NPR S/N 814887 after repair by Byam Propeller Co. (See 8130-3.) Installed left and right engine fire bottles after hydrostatic testing and squibs replacement. (Next due 07/2015.) (See tags.) Installed oxygen bottle after testing. (Next due 08/2015.) Installed all new brake pads. Installed new 2.5-inch pressure duct in right in-board wing. Repaired 3,000 feet per minute leak in static system. Repaired left wing heat exchanger valve. Fabricated and installed new #12 Freon line AFT of right engine. Installed all new seals for nose shimmy damper and serviced. Rigged all landing gear per Cessna 421B Service Manual. A.D.'s researched through bi-weekly 2010-16. For complete compliance history of current and future compliance times, see A.D. listing in log binder. All above work done in accordance with Cessna Service Manual and Air Impressions, Inc. 100 Hour/Annual Inspection Checklist. Aircraft approved for return to service. Pertinent details are on file under work order 2928.

2010-07-08


Air Impressions, Inc.
CRS# AK6R541N

SUB-TOTALS this page
TOTALS—Carry forward to next page

DATE



7929 Karl May Dr.
Waco, Texas 76708
CRS No. AK6R541N

DRK

I certify this Aircraft has been inspected in accordance with an Annual Inspection and has been determined to be in an airworthy condition.

DATE 09/01/2010 HM 1802.4

AIRCRAFT TT 6008.5

WORK ORDER #2928

SIGNED

[Signature]
AIR IMPRESSIONS, INC
REPAIR STATION # AK6R541N

Precision Aerospace Technologies, Inc.

305 Runway Rd. Batesville, AR 72501 (870) 251-2533 (Office) - (870) 251-2561 (Fax)

Make	Model	ACFT S/N	N#	HOBBS	DATE
CESSNA	421B	421B0315	N101DF	1857.8	DEC 07, 2010

- 1.) SERVICED OXYGEN BOTTLE TO 1850 PSI WITH AVIATORS OXYGEN.
 - 2.) REMOVED AND REPLACED PILOTS VENT WINDOW SEAL P/N 5111141-3 AND COPILOTS VENT WINDOW SEAL P/N 5111141-4 WITH NEW.
- IN ACCORDANCE WITH THE WORK MENTIONED ABOVE, THIS ARTICLE IS APPROVED FOR RETURN TO SERVICE. ALL LEAK CHECKS, FUNCTION CHECKS AND/OR INSPECTIONS WERE DONE IN ACCORDANCE WITH APPLICABLE MAINTENANCE MANUALS. DETAILS OF THE WORK PERFORMED CAN BE FOUND AT THIS AGENCY UNDER WORK ORDER NUMBER 7341.

MARK E. GIVANS
[Signature]
CRS #P90R564Y

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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



3700 Operations Dr. → Newport, AR 72112 → Ph: 870-217-0832

AIRFRAME Jan/12/2012

MAKE	MODEL	S/N	REG #	TACH	HOBBS	ACFTT
Cessna	421B	421B-0315	N101DF		19381	6132
LEFT ENGINE	MODEL	S/N			SMOH	ENGTT
TCM	GTSIO-520-H	234846-R			902	
RIGHT ENGINE	MODEL	S/N			SMOH	ENGTT
TCM	GTSIO-520-H	234805-R			128	

Performed inspection and service I.A.W. Cessna Service Manual and checklist as outlined in Appendix "D" of the FAR'S. Complied AD 2007-05-15 starter adaptor inspection required both engines and AD 200-01-16 Engine Exhaust inspection. All current and reoccurring AD's C/W thru this date. Repaired fuel leak left tip tank. Replace left aileron control rod end.

I certify this airframe has been inspected I.A.W. an annual inspection and was determined to be in airworthy condition at this time

David W. Edmonds

A&P432196834IA



3700 Operations Dr. → Newport, AR 72112 → Ph: 870-217-0832

AIRFRAME Jan/12/2012

MAKE	MODEL	S/N	REG #	TACH	HOBBS	ACFTT
Cessna	421B	421B-0315	N101DF		1923.1	
LEFT ENGINE	MODEL	S/N			SMOH	ENGTT
TCM	GTSIO-520-H	234846-R				
RIGHT ENGINE	MODEL	S/N			SMOH	ENGTT
TCM	GTSIO-520-H	234805-R				

Removed and Replaced left main landing gear tire with new Goodyear Flight CustomIII 6.50x10 10ply. Troubleshoot A/C system, corrected 3 leaks, evacuated system, and serviced with 2.5lbs of R-134A

I certify this airframe has been inspected I.A.W. work mentioned above and was determined to be in airworthy condition at this time

David W. Edmonds

A&P432196834IA

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TOTALS—Carry forward to next page

Achievement Aviation LLC

Facility Address:
Van Wert County Airport
1400 Leeson Ave
Van Wert, OH 45891

Mailing Address:
P.O. Box 1036
Van Wert, OH 45891
Phone# (260) 525-2975

September 14, 2012 Cessna 421-B N101DF SN# 0315 Hobbs Time: 1975.2

Removed left and right cowlings and access panels to extent necessary to visually inspect exhaust systems. Complied with AD 2000-01-16 Paragraph (B) visual inspection. Re-torqued LEFT wastegate inlet v-band clamp to 40 in/lbs as per torque tag. No other defects found. Secured LEFT propeller control cable away from exhaust pipe. Found RIGHT air/oil separator line disconnected. Reconnected line. Installed anti-chafe strip where right hand oil filter line goes through engine beam. Adjusted air conditioner compressor v-belt.
Reinstalled cowlings, shrouds, and covers
Replaced aircraft battery with Gill G-246

This entry is a return to service limited to the work performed.

Note: AD 2000-01-16 paragraph (b) next due HOBBS 2025.2

Joshua L Johnson  2861559AP

Achievement Aviation LLC

Facility Address:
Van Wert County Airport
1400 Leeson Ave
Van Wert, OH 45891

Mailing Address:
P.O. Box 1036
Van Wert, OH 45891
Phone# (260) 525-2975

September 21, 2012 Cessna 421-B N101DF SN# 0315 Hobbs Time: 1975.2

Replaced RIGHT nav-light lens cover with LP Aero Plastics FAA PMA PN#679

This entry is a return to service limited to the work performed.

Joshua L Johnson  2861559AP

-----END-----

SUB-TOTALS this page

TOTALS—Carry forward to next page

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TOTALS brought forward from previous page				



N101DF (Aircraft Logs)
Cessna 421B s/n 421B-0315

Replaced right MLGH tire and tube assy.

DATE 10/29/2012	HOBBS 2010.2
Stephen Fortner AP2797703IA <i>[Signature]</i>	

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N101DF (Aircraft Logs)
Cessna 421B s/n 421B-0315

Replaced right side nacelle tank transfer pump with serviceable O&N Modification pump # 480564. Replaced Right side aux in-line boost pump with and OVH 8150B s/n NIL OVH and returned to service by The Aviation Group (CRS#VGOR728L) w.o. # 40132.

DATE 12/4/2012	HOBBS 2024.8
Stephen Fortner AP2797703IA <i>[Signature]</i>	

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N101DF (Aircraft Logs)
Cessna 421B s/n 421B-0315

Replaced heater fuel pump with Overhauled G735405 s/n 714769 returned to service by Aircraft Heating (CRS#XX2R309L) w.o. # 1212124. Installed new pump drive coupling #714769. Installed new switch breaker #112-220-101. (Current Heater Hobbs 437.0)
Replaced wiring (power/ground) to the taxi light into nose baggage area.

DATE 12/14/2012	HOBBS 2044.3
Anthony R. Saxton AP32537461A <i>[Signature]</i>	

<p>Changed oil and filter. (Aeroshell 80W) Cut filter and inspected</p>				
DATE 12/14				
Anthony R. Saxton AP32537461A				

Z-Heat

N101DF (R
Installed new Model 470 E-Zheat Inc. electric oil pan heater per Direction
DATE 12/14/2012
Anthony R. Saxton AP32537461A



N101DF (R)
Installed new Model 470 E-Zheat Inc. electric oil pan heater per Direction
DATE 12/14/2012

Anthony R. Saxton AP32537461A

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



N101DF (Aircraft Logs)
Cessna 421B s/n 421B-0315

Replaced right MLGH tire and tube assy.

DATE 10/29/2012 HOBBS 2010.2
Stephen Fortner AP27977031A *[Signature]*

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N101DF (Aircraft Logs)
Cessna 421B s/n 421B-0315

Replaced right side nacelle tank transfer pump with serviceable O&N Modification pump # 480564. Replaced Right side aux in-line boost pump with and OVH 8150B s/n NIL OVH and returned to service by The Aviation Group (CRS#VGOR728L) w.o. # 40132.

DATE 12/4/2012 HOBBS 2024.8
Stephen Fortner AP27977031A *[Signature]*



N101DF (Aircraft Logs)
Cessna 421B s/n 421B-0315

placed heater fuel pump with Overhauled G735405 s/n 714769 returned to v pump drive coupling #714769. Installed new switch breaker #112-220-1 placed wiring (power/ground) to the taxi light into nose baggage area.

DATE 12/14/2012
Anthony R. Saxton AP32537461A *[Signature]*



NI

Changed oil and filter. (Aeroshell 80W) Cut filter and inspected OK Ground run and leak checked.

DATE 12/14/2012 HOBBS 2044.3
Anthony R. Saxton AP32537461A *[Signature]*




N101DF (Right Engine Logs)

and new Model 470 E-Zheat Inc. electric oil pan heater per Directions.

DATE 12/14/2012 HOBBS 2044.3
Anthony R. Saxton AP32537461A *[Signature]*

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
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		www.maydayavionics.com <small>5300 44th St. SE, Gerald R. Ford International Airport, Grand Rapids, MI 49512 616-957-4920</small>	
DATE	1-25-13	S.O.	53992
MAKE	Cessna	N#	N101DF
MODEL	421B	S/N	421B0315
A/C HOURS	2050.9		

Reference Weight & Balance – Equipment List, dated 1-25-13 for removed equipment. *6257*

Installed

- Aspen EFD1000 Primary Flight Display (PFD) System, consisting of: the EFD1000 C3 PFD, P/N 910-00001-004, S/N 12127; a Remote Sensor Module (RSM) w/GPS, P/N 910-00003-001, S/N 14231; a Configuration Module, P/N 910-00005-004, S/N 13788; and an Analog Converter Unit (ACU), P/N 910-00004-001, S/N 13130. Ref. Mayday Avionics dwg. no. "RSM.421B.N101DF" for RSM installation details. Wiring penetration thru rear pressure bulkhead was accomplished utilizing existing reinforced location from removed KCS55A compass system. Reference Doc. No. 900-00012-001, Rev. T for EFD1000 C3 PFD Instructions for Continued Airworthiness.
- Garmin GTN 750 GPS-WAAS Navigation System, S/N 1ZA010974; GTN 650 GPS-WAAS Navigation System, S/N 1Z8011436; GI 106A CDI, S/N F12-10288; and two GA 35 GPS/WAAS Antennas, S/N 89712 & 89743. GA 35 antenna installations utilize existing antenna doublers from removed B/K GPS antennas. Reference Doc. No. 190-01007-A1, Rev. 4 for GTN 750 - 650 Instructions for Continued Airworthiness.
- Garmin GDL 69 XM Weather Datalink Receiver, S/N 47708125 and GA 55 XM Antenna, S/N 87500331. GA 55 antenna installation utilizes existing antenna doubler from removed B/K Datalink antenna. Reference Doc. No. 190-00355-00, Rev. E for GDL 69 Instructions for Continued Airworthiness.
 - Reference FAA form 337 dated 1-25-13 for pertinent details of the above installation.

<<<< Continued Pg 1 of 3 >>>>

		www.maydayavionics.com <small>5300 44th St. SE, Gerald R. Ford International Airport, Grand Rapids, MI 49512 616-957-4920</small>	
DATE	1-25-13	S.O.	53992
MAKE	Cessna	N#	N101DF
MODEL	421B	S/N	421B0315
A/C HOURS	2050.9		

Service (Continued)

- Installed Main Software Version 3.00, GPS-WAAS Software Version 5.0, COM SW Ver. 2.10, and NAV SW Ver. 6.02 to the Garmin GTN 750 & 650 in accordance with the Garmin Service Bulletin No.: 1236, Rev A.
- Installed new Software version 2.20 to the Garmin GMA 35 in accordance with the Garmin Service Bulletin No.: 1236, Rev A.
- Removed the inop Skywatch 497 Traffic processor and installed loaner L-3 Avionics SkyWatch 497 Traffic processor, S/N 86452.


<<<< End Pg 3 of 3 >>>>

All items were ground checked in accordance with their respective manuals for proper operation and to ensure no adverse reactions occurred to other onboard systems or equipment. The above work was performed in accordance with current FAA regulations and in respect to work performed on the aircraft identified above is approved for return to service.

Edmund Grant FOR FAA CRS YXXR387Y

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																
 <small>www.maydayavionics.com</small> <small>5500 4th St. SE, Gerald R. Ford International Airport, Grand Rapids, MI 49512 616-957-4970</small>																				
<table border="1" style="width: 100%;"> <tr> <td>DATE</td> <td>1-25-13</td> <td>S.O.</td> <td>53992</td> </tr> <tr> <td>MAKE</td> <td>Cessna</td> <td>N#</td> <td>N101DF</td> </tr> <tr> <td>MODEL</td> <td>421B</td> <td>S/N</td> <td>421B0315</td> </tr> <tr> <td>AVC HOURS</td> <td>2050.9</td> <td></td> <td></td> </tr> </table>					DATE	1-25-13	S.O.	53992	MAKE	Cessna	N#	N101DF	MODEL	421B	S/N	421B0315	AVC HOURS	2050.9		
DATE	1-25-13	S.O.	53992																	
MAKE	Cessna	N#	N101DF																	
MODEL	421B	S/N	421B0315																	
AVC HOURS	2050.9																			
<ul style="list-style-type: none"> Installed a Garmin GMA 35 Audio Panel, S/N 1T6005556 IAW the Mayday Avionics, Inc dwg. no. GMA35.421.N101DF, Rev IR, dated 12-26-12; AC 43.13-1B; and AC 43.13-2B. Installed a Garmin GTX 33 Transponder, S/N 89123902 IAW the Mayday Avionics, Inc dwg. no. GTX33.421.N101DF, Rev IR, dated 12-26-12; FAR 91.413; AC 43.13-1B; and AC 43.13-2B. System was correlated IAW FAR 91.217. <p>Service</p> <ul style="list-style-type: none"> The aircraft pitot / static system was checked IAW FAR 91.411. Rewired inop radio lights. Replaced the #2 Airspeed Indicator with an overhauled Sigma-Tek EA-5173, S/N T12365. Fabricated new center instrument panel IAW . AC 43.13-1B & 2B Replaced the ARC Autopilot Altitude sensor with overhauled unit P/N 38547-0028, S/N 3486 Repaired the ARC Autopilot Computer CA-530FD, S/N 289. Aligned the ARC C-530A Autopilot Mode Selector, S/N 1224. <p style="text-align: right;"><<<< Continued Pg 2 of 3 >>>></p>																				

Log Book Entry

Make Cessna	Model 421B	Tail # N101DF	Serial # 421B0315	Aircraft Total Time: 4054.4
-----------------------	----------------------	-------------------------	-----------------------------	---------------------------------------

Removed interior for interior refurbishment and recomputed weight and balance and entered in appropriate logs.

This aircraft has been inspected and has been found safe for the intended flight in accordance with Special Flight Permit Dated January 31, 2013

Work Order # 013113-1

Date 1-31-13

Signature 

MJ Aircraft Inc.
Repair Station # JH5R962M
262 Airport Rd.
Anderson, IN 46017

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TOTALS brought forward from previous page				



**N101DF (Aircraft Logs)
Cessna 421B s/n 421B0315**

Inspected aircraft as required by FAR91.409 (a) (1) per inspection checklist meeting requirements of FAR 43.15 (2)(c) and FAR 43 App. D. Performed post inspection operational checks per FAR43.15 (c)

Note:

This aircraft has all seats (except pilot seat), cabinets, carpets and sidewalls were removed during this inspection. Reinstallation of these parts will require installer to make appropriate log entries and any required W&B change.

Inspected and tested ELT (Artex 406) per FAR 91.207(d) ELT battery next due July 2015.

Installed Aviation Fabricators heated windshield panel per Drawing list AF-127. Installed airplane Flight manual Supplement dated January 20,2011 in aircraft required paperwork. Changed aircraft W/B and equipment list as required. This installation approved by Aviation Fabricators Supplemental Type Certificate (STC) #SA00103WI. (see 337 form this date)

Removed McCauley 3AF34C92-P props, spinners, backplates and deice from left and right side and installed new Hartzel PHC-C3YD-2UF (left S/N MJ55B and right s/n MJ53B) with new spinners, backplates, deice equipment. Installed Required Flight Manual Supplement AFMS 1100 in aircraft paperwork. Change weight and balance and equipment list as required. **This installation is approved by RAM Aircraft Supplemental Type Certificate #SA1036ISC-D** (see 337 form this date)

Replaced vacuum relief valve filters. Replaced tail nav light bulb.

Replaced broken cabin step interconnect push pull tube #5222508-6. Replace upper cabin step hinge.

Replaced fuel cap outer Orings. Disassembled left/right tip tank and replaced various internal sealed nutplates and resealed tank. Installed new Oring in left tip tank drain.

Replaced various loose and faulty hardware and loose and working rivets in various locations in aircraft. Cleaned right lower wing locker skin in exhaust trail and treated.

Removed nose gear trunnion and repaired left side nose tunnel at trunnion attach trunnion bearing support. Stop drilled wall crack and installed far side doubler (see 337 form this date)

Replaced cabin heater inlet hose with new CM2666T8. Replaced left wing long pressurization hose #CM3211-10B38.0

Tightened various flap scissor link bolts , minor patch repaired left outboard flap panel skin crack. and Re-rigged entire flap system to spec. as required Shimmed right aileron rod end for proper spacing. Installed proper aileron trim tab attach nut #MS17826-3. Re-rigged rudder trim cable tensions. Installed new rudder trim actuator screw #5115212-1 and re-rigged rudder and rudder trim travel.

Replaced nose gear steering stop block #5042009-1. Resealed nose gear strut with new A2748 poly pack and serviced. Replaced nose gear drive rod boot with new 9910011-1. Replaced left side outboard gear door hinge. Replaced cracked nose gear steering bellcrank with new/superseded #5942001-1. Shimmed right main center torque link and installed new TA607D13 brake line clamp. Replaced left/right brake disc #164-20306 and all new brake linings #066-06600. Replaced various sections of gear door seal. Replaced missing gear well fume proofing. Tightened left main gear trunnion bolts. Properly installed left main gear center torque bolt and reshimed. Replaced nose gear door bonding strap. Resealed shimmy damper Orings and serviced. Replaced nose gear drag link bolts.

Re-rigged, lubricated and checked normal and emergency operation of landing gear per Cessna 421B Maintenance Manual.

CW Cessna MEB08-3 Upper wing skin cracking inspection. Inspected/ found no cracks evident. (insp. due again in 200 hr. or 2 years)

CW Cessna CAP32-10-02 (400 series) by replacing main landing gear lock link pivot bolts. (due again in 500 hr.)

CW Cessna SB MEB87-4 Window Retainers by installation of #5311260-9 cabin window retainers on Emergency exit/ upper cabin door.

CW Cessna SB MEB89-3R1 Crew Seat Back Reinforcing Strap #0890017-1 Installation on pilot seat ONLY.

CW Cessna SB MEB00-4 Rudder Hinge Bearing Inspection/Replacement.

Found lower bearing bracket installed upside down. Reinstalled in correct orientation per SB

CW AD2000-01-16 Effective Date Feb 15, 2000 (Supersedes AD75-23-08R5) Exhaust system inspection.

CW Para (b) exhaust visual inspection. Retensioned various slip joint springs. (Inspection due again in 50 hr. at Hobbs 2106.0)

CW para (c) Pressure test exhaust system. No damage found (Due again in 12 calendar months)

CW para (c) tailpipe inspection. Removed inspected and reinstalled. (First inspection due in 12 months March 2014)

CW AD81-09-09 Effective Date - 05/08/81 Stewart Warner heaters

250 hr. Insp per para (a) and Stewart Warner Service Manual. 250 hour requirement.

(Current heater time reads 445.8 due again in 250 hr. at heater time 695.8)

(para b overhaul due at heater time 1000.0)

2056.0

DATE ~~2-17-2013~~ 3/15/2015 HOBBS ~~2423~~ AIRCRAFT TOTAL TIME ~~6452.6~~ 6262.1

"I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION."

ANTHONY R. SAXTON AP32537461A *Anthony R. Saxton*

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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

Log Book Entry

Make	Model	Tail #	Serial #	Aircraft Total Time:
Cessna	421B	N101DF	421B0315	Hobbs: 2059.8

Remove pilot and co-pilot seats and stripped existing covering and foam. Cleaned, prepped and painted seat bases, re-foamed seats, recovered with VASI Dani Cielo C2002 Onyx leather with Aircraft Sheepskin Black #021 sheepskins and re-installed. Removed passenger seats and stripped existing covering and foam. Cleaned, prepped and painted seat bases, re-foamed seats, recovered with VASI Dani Cielo C2002 Onyx leather and re-installed. Seat belts were re-webbed by Aviation Safety Products in Black. Removed existing carpet, cut, fitted and installed new Aircraft Interior Products Vanguard Smoke Screen carpet, surging where necessary. Fabricated and installed new headliner with Tapis Putty #5741 ultra leather. Cleaned, prepped and painted cockpit window panels and center overhead plastic to match. Removed cabin window panels, repaired, covered with Tapis Putty#5741 ultra leather and re-installed. Removed side panels and stripped existing covering and foam. Re-foamed and modified to accommodate Charles A Starr 2144-NE/C cup holders built into the outboard armrest panel and recovered with VASI Dani Cielo C2002 Onyx leather. Recovered side panels with GBS Toy Store Crosswords fabric and Spinneybeck VZ2109 grey leather and re-installed. Removed existing covering on door panels and re-covered with Spinneybeck VZ2109 grey leather. Painted air stair door trim, fabricated new chain guard covers with Spinneybeck VZ2109 grey leather and replaced step tread with AIP Black Aermat. Removed woodwork, de-laminated cabinetry, table and cabin dividers and re-laminated with Lamin Art Napele Koa Gloss #2617-G laminate and re-installed. Fabricated and installed new table laminated with Lamin Art Napele Koa Gloss 2617-G laminate. Replaced placards as necessary. Removed shaver, radio circuit breaker, lavatory cabinet, aft cabinet and aft curtain. Installed Klixon P/N 7277-2-7.5 and Ameri-King DC Converter Model AK-551 S/N 512233 @ station 142 (behind pilot seat) on aft side of Fwd Cabin Divider. This unit is connected to the existing table cigarette light/P.E.D. outlets. All work was done in accordance with Ameri-King installation manual and AC43.13 1B, weight and balance and equipment list was updated.

All materials have been tested and comply with FAR23.853. 8110-3's are on file at this repair station. The aircraft, airframe, interior or appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and determined to be in air worthy condition and is approved for return to service. Pertinent details of the repair are on file at the repair station under:

Work Order # 013113-1

Date March 18, 2013

Signature _____

Vout
SBMEB 87-4

MJ Aircraft
Repair Station # J
262 Airpor
Anderson, IN

SUB-TOTALS this

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www.maydayavionics.com
5500 44th St. SE, Grand R. Ford International Airport, Grand Rapids, MI 49512 616-957-4920

DATE	3-19-13	S.O.	54161
MAKE	Cessna	N#	N101DF
MODEL	421B	S/N	421B0315
HOBBS	2061.1		

Reinstalled autopilot components removed for service, Computer P/N 41120-1028, S/N 289, mode selector P/N 41110-0003, S/N 1224, controller P/N 41780-1028, S/N 182, static system checked I.A.W. FAR 91.411.
 Removed temporary weight change from POH.
 Reset autopilot aileron servo cable to 12 lbs.
 Referenced Cessna 421 service manual rev. 15.

All items were ground checked in accordance with their respective manuals for proper operation and to ensure no adverse reactions occurred to other onboard systems or equipment. The above work was performed in accordance with current FAA regulations and in respect to work performed on the aircraft identified above is approved for return to service.

FOR FAA CRS YXXR387Y



www.maydayavionics.com
5500 44th St. SE, Grand R. Ford International Airport, Grand Rapids, MI 49512 616-957-4920

DATE	4-17-13	S.O.	54469
MAKE	Cessna	N#	N101DF
MODEL	421B	S/N	421B0315
HOBBS	2106.4		

- Aligned the CA-530FD Autopilot Computer P/N 41120-1028, S/N 289.
- Reset clutch to 31 in.-lbs. for the PA-500A Servo, P/N 35070-0228, S/N 528.
 - o Performed ground and flight checks – no discrepancies noted.
 - o All work performed IAW the Cessna IFCS Service/Parts Manual, P/N 7010410, including Changes 11/22/74 and 2/21/75.


All items were ground checked in accordance with their respective manuals for proper operation and to ensure no adverse reactions occurred to other onboard systems or equipment. The above work was performed in accordance with current FAA regulations and in respect to work performed on the aircraft identified above is approved for return to service.

FOR FAA CRS YXXR387Y

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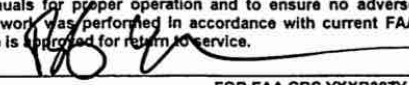
www.maydayavionics.com


3500 44th St. SE, Gerald R. Ford International Airport, Grand Rapids, MI 49512 616-957-4920

DATE	4-19-13	S.O.	54469
MAKE	Cessna	N#	N101DF
MODEL	421B	S/N	421B0315
HOBBS	2113.4		

- Aligned the CA-530FD Autopilot Computer P/N 41120-1028, S/N 289.
 - o Performed static system check IAW 14 CFR FAR 91.411.
 - o Performed ground checks – no discrepancies noted.
 - o All work performed IAW the Cessna IFCS Service/Parts Manual, P/N 7010410, including Changes 11/22/74 and 2/21/75.

All items were ground checked in accordance with their respective manuals for proper operation and to ensure no adverse reactions occurred to other onboard systems or equipment. The above work was performed in accordance with current FAA regulations and in respect to work performed on the aircraft identified above is approved for return to service.


 FOR FAA CRS YXXR387Y



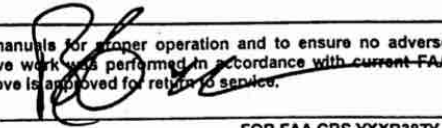
www.maydayavionics.com

3500 44th St. SE, Gerald R. Ford International Airport, Grand Rapids, MI 49512 616-957-4920

DATE	6-21-13	S.O.	54469
MAKE	Cessna	N#	N101DF
MODEL	421B	S/N	421B0315
HOBBS	2213.2		

- Removed the loaner CA-530FD Autopilot Computer P/N 41120-1028, S/N 691 and reinstalled S/N 289.
 - o Performed static system check IAW 14 CFR FAR 91.411.
 - o All work performed IAW the Cessna IFCS Service/Parts Manual, P/N 7010430, including AV74-3 and FESB No. 171.

All items were ground checked in accordance with their respective manuals for proper operation and to ensure no adverse reactions occurred to other onboard systems or equipment. The above work was performed in accordance with current FAA regulations and in respect to work performed on the aircraft identified above is approved for return to service.


 FOR FAA CRS YXXR387Y

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Achievement Aviation LLC

Facility Address:
 Van Wert County Airport
 1400 Leeson Ave
 Van Wert, OH 45891

Mailing Address:
 P.O. Box 1031
 Van Wert, OH 45891
 Phone# (260) 525-2975

April 29, 2013 Cessna 421-B N101DF Continental GTSIO-520-H SN# 234846R Hobbs Time: 2129.2
 Engine is in LEFT position

Drained engine oil, cut oil filter to inspect for metal particles. None found.

Reinstalled new CH48111-1 oil filter and filled aircraft with 12 quarts Aeroshell W100.

Performed post maintenance run-up of aircraft. No leaks noted. Complied with AD 2000-01-16 Paragraph (B) - no defects noted. Advised customer to check maintenance records to determine compliance status of other parts of AD 2000-01-16. AD 2000-01-16 Paragraph B due at Hobbs 2179.2

This entry is a return to service limited to the work performed.

Joshua L Johnson  2861559AP

Achievement Aviation LLC

Facility Address:
 Van Wert County Airport
 1400 Leeson Ave
 Van Wert, OH 45891

Mailing Address:
 P.O. Box 1031
 Van Wert, OH 45891
 Phone# (260) 525-2975

April 29, 2013 Cessna 421-B N101DF Continental GTSIO-520-H SN# 234805R Hobbs Time: 2129.2
 Engine is in RIGHT position

Drained engine oil, cut oil filter to inspect for metal particles. None found.

Reinstalled new CH48111-1 oil filter and filled aircraft with 12 quarts Aeroshell W100.

Performed post maintenance run-up of aircraft. No leaks noted. Complied with AD 2000-01-16 Paragraph (B) - no defects noted. Advised customer to check maintenance records to determine compliance status of other parts of AD 2000-01-16. AD 2000-01-16 Paragraph B due at Hobbs 2179.2

This entry is a return to service limited to the work performed.

Joshua L Johnson  2861559AP

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Page No. _____



www.maydayavionics.com

3300 64th St SE, Grand Rapids International Airport, Grand Rapids, MI 49512 616 957-4320

DATE	3-8-13	S.O.	54161
MAKE	Cessna	N#	N101DF
MODEL	421B	S/N	421B0315
HOBBS	2058.9		

Removed autopilot components for service, Computer P/N 41120-1028, S/N 289, mode selector P/N 41110-0003, S/N 1224, controller P/N 41780-1028, S/N 182. Installed cap on static line removed from computer, static system checked I.A.W. FAR 91.411.

Calculated temporary weight change and inserted in POH

All items were ground checked in accordance with their respective manuals for proper operation and to ensure no adverse reactions occurred to other onboard systems or equipment. The above work was performed in accordance with current FAA regulations and in respect to work performed on the aircraft identified above is approved for return to service.

[Signature]
FOR FAA CRS YXXR387Y

All items were ground checked in accordance with their respective manuals for proper operation and to ensure no adverse reactions occurred to other onboard systems or equipment. The above work was performed in accordance with current FAA regulations and in respect to work performed on the aircraft identified above is approved for return to service.

[Signature]
FOR FAA CRS YXXR387Y

Achievement Aviation LLC

Facility Address:
Van Wert County Airport
1400 Leeson Ave
Van Wert, OH 45891

Mailing Address:
P.O. Box 1036
Van Wert, OH 45891
Phone# (260) 525-2975

June 25, 2013 Cessna 421-B N101DF SN# 0315 Hobbs Time: 2222.2

Replaced LEFT main tire with new Goodyear Flight Custom II 6.50-10 8 ply tire and new Michelin 650-10 Airstop tube.

Joshua L Johnson *[Signature]* 2861559AP

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*******MUNCIE AVIATION COMPANY C.R.S. # AJVR135C*******

Removed attitude gyro and autopilot computer. Adjusted heading gain to 2.5-3.0 VDC. Adjusted course datum. Adjusted radio demod and error nulls. Set roll trim input at autopilot controller. Set roll command and heading command limits to 23 degrees. Performed alignment of pitch gain for Cessna 421B perimeters. Reinstalled units. Installed 4.10 software on GTN750 and GTN650 per Garmin SB 1320 Rev. A. Ground checked good.	Make: <u>Cessna</u> Ser. No.: <u>421B0315</u> Model: <u>CE-421B</u> Reg. Mark: <u>N101DF</u> The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed. Pertinent details of the repair are on file at the Agency. Work Order No.: <u>A000780</u> Date: <u>7-15-13</u> Signed: <u>CLUBA</u> Inspector for MUNCIE AVIATION COMPANY C.R.S.#AJVR135C MUNCIE, IN 47303-9778 (765) 289-7141
--	--

Aircraft Tach: 2253.4

PLEASE PLACE IN AIRCRAFT LOGBOOK



*******MUNCIE AVIATION COMPANY C.R.S. # AJVR135C*******

Removed, repaired, and reinstalled CA-530FD autopilot computer amplifier p/n 41120-1028 s/n 289. Autopilot system ground checked good.	Make: <u>Cessna</u> Ser. No.: <u>421B0315</u> Model: <u>CE-421B</u> Reg. Mark: <u>N101DF</u> The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed. Pertinent details of the repair are on file at the Agency. Work Order No.: <u>A000854</u> Date: <u>7-31-13</u> Signed: <u>CLUBA</u> Inspector for MUNCIE AVIATION COMPANY C.R.S.#AJVR135C MUNCIE, IN 47303-9778 (765) 289-7141
--	--

Aircraft Tach: 2296.7

PLEASE PLACE IN AIRCRAFT LOGBOOK



Achievement Aviation LLC

Facility Address:
 Van Wert County Airport
 1400 Leeson Ave
 Van Wert, OH 45891

Mailing Address:
 P.O. Box 1031
 Van Wert, OH 45891
 Phone# (260) 525-2975

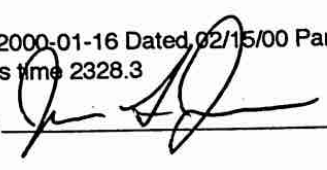
June 28, 2013 Cessna 421-B N101DF SN# 0315 Hobbs Time: 2225.3

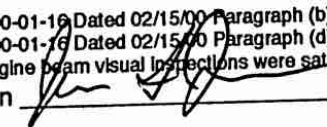
Complied with AD 2000-01-16 Dated 02/15/00 Paragraph (B) by visual inspection. No defects found Paragraph (B) Next due Hobbs time 2328.3

Joshua L Johnson  2861559AP

-----END-----

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

Achievement Aviation LLC	
Facility Address: Van Wert County Airport 1400 Leeson Ave Van Wert, OH 45891	Mailing Address: P.O. Box 1031 Van Wert, OH 45891 Phone# (260) 525-2975
July 21, 2013 Cessna 421-B N101DF SN# 0315 Hobbs Time: 2278.3	
Complied with AD 2000-01-16 Dated 02/15/00 Paragraph (B) by visual inspection. No defects found Paragraph (B) Next due Hobbs time 2328.3	
Joshua L Johnson 	2861559AP
-----END-----	

Achievement Aviation LLC	
Facility Address: Van Wert County Airport 1400 Leeson Ave Van Wert, OH 45891	Mailing Address: P.O. Box 1031 Van Wert, OH 45891 Phone# (260) 525-2975
August 10, 2013 Cessna 421-B N101DF SN# 0315 Hobbs Time: 2304.7	
Replaced RIGHT main tire with new Goodyear Flight Special II 6.50-10 8 ply tire Part Number 650C81-5 Material Number 9468, Serial Number 2330223 and new Michelin 650-10 Airstop tube PN# 092-344-0, Lot 27/12. See Goodyear Manufacture tag and Michelin Certificate of Conformance in aircraft records for parts traceability.	
Replaced LEFT exhaust turbocharger overboard pipe with PN#K5155156-3 SN# 220706. See form 8130-3 in aircraft records for parts traceability. Replaced LEFT and RIGHT exhaust V-bands with RAM FAA-PMA PN 2271-200. See FAA PMA tag in aircraft records for parts traceability. Installation completed as per RAM Drawing 2166 Rev E, torque values from Cessna 421 service manual.	
Replaced RIGHT alternator with overhauled PN#ALV-9510 SN A2160106 supplied by Aerotech of Louisville. See form 8130-3 dated 4-22-2013 for parts traceability. Installed alternator with new 653981 gasket, see Cessna form 8130-3 for parts traceability. Alternator drive coupling & alternator were installed as per Continental Service Bulletin 11-3. Checked slippage of drive coupling - slippage began at 180 in/lbs and is thus eligible for re-use under SB 11-3. Replaced RIGHT alternator out sensor with new PN#9910094-3 from Cessna - see form 8130-3 in aircraft records for traceability.	
Complied with AD 2000-01-16 Dated 02/15/00 Paragraph (b) by visual inspection. Next due Hobbs time: 2354.7 Complied with AD 2000-01-16 Dated 02/15/00 Paragraph (d) and (f) - multi-segment v-bands were replaced on both engine exhaust installations - canted bulkhead & engine beam visual inspections were satisfactory. Paragraph (d) and (f) Next due at HOBBS 2804.7	
Joshua L Johnson 	2861559AP

				SUB-TOTALS this page
				TOTALS —Carry forward to next page

Advocate Flight Log

Aircraft N Number: 101DF
 Aircraft Make and Model: Cessna 421B

2013 Date	Departure	Arrival	Flight Hours	Hobbs Time	Use ¹	Total Passengers On-Board	# Of Business Passengers	Names	Operator/ Renter
9/21	LOT	I17	1.4	2347.7 2346	B	4	3	Chuck, Rick Val, Judy	RWS
9/21	I17	GQA	.2	2347.6 2347.4	B	1		Chuck	RWS
9/22	CQA	GWB	.4	2347.6 2347.2	B	1		Chuck	PowerClean
9/22	GWB	HIB	3.0	2350.6 2347.6	B	6	5	Chuck Chud Tyler, Justin, Steve, Israel	Power Clean
9/22	HIB	CQA	2.6	2353.2 2350.4	B	1		Chuck	Power Clean
9/23	CQA	PHN	1.1	2354.3 2352.2	B	3	2	Chuck Jeremy, Greg	Sandalwood Island LLC
9/23	PHN	CQA	1.2	2355.5 2354.3	B	3	2	Chuck, Jeremy, Greg	Sandalwood Island LLC
9/25	CQA	GWB	.4	2355.9 2355.5	B	2	1	Chuck, Andy	Power Clean
9/25	GWB	HIB	2.2	2358.1 2355.9	B	5	4	Chuck Andy, Israel Shawn, Tyler	Power Clean
9/25	HIB	SMD	Hobbs Quit 30	2358.1	B	2	1	Chuck Andy	Power Clean
9/27	SMD	HIB	Hobbs Quit 30	2358.1	B	1		Chuck	Power Clean

B - Business, T - Training, I - Investment, M - Maintenance, R - 3rd Party Rent, PE - Personal Entertainment, PNE - Personal Non-Entertainment, C - Charity

Avocate Flight Log

Aircraft N Number 101DF
 Aircraft Make and Model Cessna 421B

2013						Total	# Of		Operator/ Renter	
Date	Departure	Arrival	Flight Hours	Hobbs Time	Use¹	Passengers On-Board	Business Passengers	Names		
8/27	HIB	EWB	Hobbs Quit	2.7	B	7	6	Chuck	Power Clean	
9/27	EWB	CRA	↓	.4	B	1		Chuck Shawn, Justin Tyler, Shad, GABE, GIBE	Power Clean	
				Hobbs time should read 2367.2						

¹ B - Business, T - Training, I - Investment, M - Maintenance, R - 3rd Party Rent, PE - Personal Entertainment, PNE - Personal Non-Entertainment, C - Charity

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
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Achievement Aviation LLC

Facility Address:
Van Wert County Airport
1400 Leeson Ave
Van Wert, OH 45891

Mailing Address:
P.O. Box 1031
Van Wert, OH 45891
Phone# (260) 525-2975

September 30, 2013 Cessna 421-B N101DF SN# 0315 New Hobbs Time: 0.0 (Old hobbs time: 2367.2)

Replaced Right Turbocharger overboard pipe with PN# K5155156-4 - See 8130-3 release certificate from Krisley Welding, CRS PQ1260NM located in the aircraft logbook records binder.

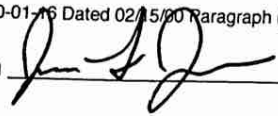
Replaced Left PN# MS25038-2 Tach Generator, SN# 38056, See 8130-3 release certificate from Quality Aircraft Accessories Inc CRS QYIR334Y located in aircraft logbook records binder.

Troubleshoot inoperative gear position lights, repaired broken circuit on aircraft lighting control board.

Replaced hobbs meter due to failure with new HOBBS (Honeywell) PN#85011 MIL-L-3971B meter. See parts tag in aircraft logbook binder. Old meter failed at time 2358.1. Aircraft owner has presented me with a flight log for the above mentioned aircraft from the time of failure to present, which shows the aircraft hobbs recording time at time of replacement should have been 2367.2 - a copy of the flight log has been stapled to this page of the airframe logbook.

Complied with AD 2000-01-16 Dated 02/15/00 Paragraph (b) by visual inspection. Next due Hobbs time: 50.0

Joshua L Johnson



2861559AP

6573.3 + Hobbs = 11

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Phone# (260) 525-2975

AIRCRAFT LOGBOOK ENTRY - PLEASE PASTE IN THE AIRFRAME LOGBOOK

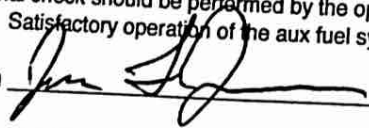
November 1, 2013 Cessna 421-B N101DF SN# 0315 New Hobbs Time: 24.2

Pilot noted that when right auxillary fuel was selected, circuit breaker would trip. Auxillary fuel pump was inoperative when tested on ground. Checked pump, found motor to be locked. Replaced motor with FAA-PMA PN# PMA8850-4 motor, lot#56552 Mfg by Weldon Pump Cleveland OH. Pump was sourced through The Aviation Group Inc on Invoice#28308 The parts tag has been given to the owner to be added to the aircraft records. Installed new motor, screws secured with loctite and torqued to 32 in lbs.

Performed ground operational check of pump - motor runs smoothly without adverse noise, fuel appears to transfer normally, no fuel leaks in the vicinity of the pump were found.

An in-flight operational check should be performed by the operator prior to carriage of passengers or flight beyond the range of the main fuel tanks. Satisfactory operation of the aux fuel system should be noted in the aircraft logbook by the pilot.

Joshua L Johnson



2861559AP

SUB-TOTALS this page

TOTALS—Carry forward to next page

UNITED STATES OF AMERICA
 DEPARTMENT OF TRANSPORTATION - FEDERAL AVIATION ADMINISTRATION
 FAX - SPECIAL AIRWORTHINESS CERTIFICATE

SPECIAL FLIGHT PERMIT	
A	REASON: REPOSITION FOR MAINTENANCE
B	FROM: DFI ENROUTE STOPS: NONE TO: CQA FLIGHT RULES: <input checked="" type="checkbox"/> -VFR <input checked="" type="checkbox"/> -VMC <input type="checkbox"/> -IFR <input type="checkbox"/> -IMC
C	N: 101DF SERIAL NO.: 421B0315 MAKE: CESSNA MODEL: 421B DATE: 04/02/2014 EXPIRATION DATE: 04/12/2014
D	SIGNATURE OF FAA REPRESENTATIVE: <i>John P. Welsh</i> DESIGNATION OR OFFICE NO.: GL07 JOHN P. WELSH FAA Aviation Safety Inspector

This certificate must be displayed in the aircraft at the cabin or cockpit entrance so that it is legible to the crew IAW 14 CFR 91.203(b).

This authorization has been issued for the purpose of moving this aircraft with the limitations listed below. It in no way relieves the operator or pilot of the responsibility of obtaining the owner's permission, prior to operating the aircraft.

The aircraft must be operated in compliance with applicable general operating and flight rules, Part 91, of the Federal Aviation Regulations and in accordance with the operations limitations set forth in the approved aircraft flight manual and/or those limitations set forth in the aircraft type certificate data sheets. In addition, the limitations herein must be adhered to.

***** SPECIAL FLIGHT OPERATING LIMITATIONS *****

- Carriage of cargo, or persons, other than the crew necessary for the flight is prohibited.
- Crew: Pilot; Co-pilot; Other _____ (SPECIFY)
- The pilot must hold at least a private pilot certificate with the appropriate category and class rating or type rating and must meet the currency requirements of 14 CFR 61.57.
- Reference 14 CFR 39.23: Any airworthiness directive that does not allow for operation of the aircraft on a special flight permit must be complied with prior to flight.

The flight must be conducted avoiding areas having heavy air traffic, cities, towns, villages and congested areas, or any area that might create hazardous exposure to persons or property.

This permit is not valid unless the aircraft is inspected to the extent necessary to determine that it is safe for the intended flight. A certified mechanic or properly rated repair station must accomplish this inspection. The inspection must be recorded in aircraft records prior to the flight.

The U.S. registration identification markings and airworthiness certificate must be displayed as required by applicable Federal Aviation Regulations.

The aircraft must be in compliance with the current altimeter, static and transponder system requirements per 14 CFR 91.411 and 91.413 if applicable by General Operating and Flight Rules: 14 CFR 91.205, 91.215 (b)1-3, 91.215(d)1-3.

This authorization is valid for one flight including Fuel Stops and expires upon arrival at destination.

Special Limitations: NONE

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME
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DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Achievement Aviation LLC

Facility Address:
Van Wert County Airport
1400 Leeson Ave
Van Wert, OH 45891

Mailing Address:
PO Box 1031
Van Wert, OH 45891
Phone# (260) 525-2975

April 19, 2014 N101DF Cessna 421B SN 421B0315 Aircraft Hobbs Time: 44.7 Aircraft Total Time: 6597.5

Page 1 of 2

Performed annual inspection of aircraft using checklist conforming to 14CFR43 Appendix D

- (1) Re-sealed right fuel tank filler neck flange
- (2) Replaced left and right induction air filters with Donaldson FAA PMA P108421-016-220 dated 01-14. See PMA tags in "Maintenance Releases" binder under "Airframe" section. Complied with AD 84-26-02 by replacement of filter. Filter replacement due at hobbs 544.7 as required by this AD. *Effective date of AD 1/29/1985*
- (3) Replaced instrument air filter with FAA PMA AM103535IA. See PMA tag in "Maintenance Releases" binder under "Airframe" section
- (4) Complied with AD 92-16-18 Eff 09/10/1992 by inspecting aircraft and determining that Enviroform Commuter type seats are not installed on this aircraft. No further action required by this AD.
- (5) Complied with the following parts of AD 00-01-16 Eff 02/15/00
 - (1) paragraph (b) by following instructions in Appendix of AD titled "Visual Inspection. Next due later of Hobbs 94.7 or 5/19/2014
 - (2) paragraph (d) - inspected engine beams firewalls and canted bulkheads for distress, corrosion, or cracking. Next due Hobbs 544.7
 - (3) paragraph (e) - inspected and pressure tested exhaust system by complying with Appendix of AD titled "Pressure Test" - next due 4/30/2015
 - (4) removed right engine riser stack assembly PN#5155156-207 for crack repair by Dawley Aircraft, CRS NJ5R069N. Reinstalled using new MS20500-428 nuts and new AEC628260 exhaust gaskets. Also removed and reinstalled left engine riser assemblies for cylinder replacement using new MS20500-428 nuts and AEC628260 gaskets. Inspected and reinstalled exhaust springs as directed by AD 00-01-16. Technical references: Continental SB96-7C - Torque Limits and Cessna 421C Maintenance Manual
- (5) Note: Paragraph C, removal of tailpipe will be due on left side at Hobbs 437.5, right side at Hobbs 500.0 - paragraph G - removal of system for overhaul will be due June 30, 2019, Aircraft total time 7734.4, Hobbs time 1161.0

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April 19, 2014 N101DF Page 2 of 2

- (7) Complied with AD 2014-03-03 Eff 04/07/2014 by inserting AFM supplement into flight manual as per para (g)(1) of AD, fabricated and installed placards to instrument panel in front of pilot as per para (g)(2)(i) and (g)(2)(a) - placards meet requirements of para (h) - no further action required by AD
- (8) Determined that AD 05-20-25 eff 11/09/05 is not applicable - 50 amp avionics circuit breaker is not installed per para (c)(1).
- (9) Complied with landing gear rigging inspection as per chapter 4 of Cessna 421B Maintenance Manual
- (10) Greased landing gear as required with Aeroshell #6
- (11) Refilled brake system hydraulic reservoirs
- (12) Cleaned and packed wheel bearings
- (13) Lubricated hinge bearings as required
- (14) Performed ELT operational check in accordance with 91.207(d) - battery replacement due July 2015. Filed updated beacon registration with NOAA as directed by aircraft owner.

LIFE LIMITED COMPONENT TIMES:

Exhaust System multi segment V-bands replacement due at Hobbs 437.5. Heater overhaul due at Heater Hobbs 1000.0. Windshield Replacement due at Airframe Total Time 13,200 hours. Exhaust System Overhaul: Aircraft Total Time 7734.4 *Induction filters due hobbs 544.7*

I certify that this AIRCRAFT has been inspected in accordance with an annual inspection and was found to be in airworthy condition

Joshua L Johnson  A&P 2861559 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
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Achievement Aviation LLC

Facility Address: Van Wert County Airport 1400 Leeson Ave Van Wert, OH 45891	Mailing Address: PO Box 1031 Van Wert, OH 45891 Phone# (260) 525-2975
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April 25, 2014 N101DF Cessna 421B SN 421B0315 Aircraft Hobbs Time: 50.7 Aircraft Total Time: 6603.5

(1) Removed Prestolite starter from left engine
 (2) Installed serviceable Kelly Aerospace Energizer starter, PN#646275-1, SN V-049720 to left engine. Eligibility basis is Kelly Aerospace SIL A-126 Issued 11/16/2007

Joshua L Johnson  A&P 2861559

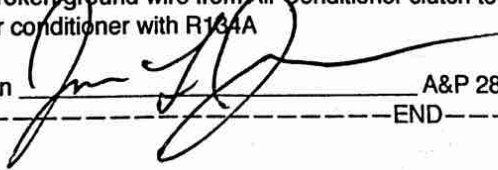
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Achievement Aviation LLC

Facility Address: Van Wert County Airport 1400 Leeson Ave Van Wert, OH 45891	Mailing Address: PO Box 1031 Van Wert, OH 45891 Phone# (260) 525-2975
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May 20, 2014 N101DF Cessna 421B SN 421B0315 Aircraft Hobbs Time: 65.2


(1) Repaired broken ground wire from Air Conditioner clutch to ground
 (2) Charged air conditioner with R134A

Joshua L Johnson  A&P 2861559 IA

-----END-----

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				
*****MUNCIE AVIATION COMPANY C.R.S. # AJVR135C*****				
		Removed pitch servo PA-500A s/n 1123, set clutch to specs for Cessna 421B, reinstalled. Adjusted aileron LH wing rod end, checked aileron throw and rig. Checked good. Checked aileron trim rig and throws checked good IAW Maint. Manual Section 5 page 5-3,5-4,5-5, and 5-9. Removed and replaced to aft sediment bulbs for static system. Removed ACK A-30 s/n 107960, installed Transcal SSD120-30N s/n N20477. Performed test of the altitude reporting system IAW 14 CFR § 91.411 (a) (3). Performed leak check of the Pito/Static system, leak checked good. No Weight or balance change. Removed GMA35 Audio Panel p/n 011-02299-00 s/n 1T6005556 installed s/n 1T6005140. Repaired wire for Right alternator Light. Systems ramp check good.	Make: <u>Cessna</u> Ser. No.: <u>421B0315</u> Model: <u>421B</u> Reg. Mark: <u>N101DF</u>	The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed. Pertinent details of the repair are on file at the Agency. Work Order No.: <u>A002036</u> Date: <u>06-19-2014</u> Signed: <u>[Signature]</u> Inspector for MUNCIE AVIATION COMPANY C.R.S.#AJVR135C MUNCIE, IN 47303-9778 (765) 289-7141
		Aircraft Tach: 87.3 PLEASE PLACE IN AIRCRAFT LOGBOOK		
		Performed operational flight check of AutoPilot system. Ops flight checked good.	Make: <u>Cessna</u> Ser. No.: <u>421B0315</u> Model: <u>421B</u> Reg. Mark: <u>N101DF</u>	
		Aircraft Tach: 87.3 PLEASE PLACE IN AIRCRAFT LOGBOOK	Date: <u>06-19-2014</u> Signed: <u>[Signature]</u> Kenneth Talhelm Pilot Certificate # 3126590	

Achievement Aviation LLC

Facility Address:
Van Wert County Airport
1406 Leeson Ave
Van Wert, OH 45891

Mailing Address:
PO Box 1031
Van Wert, OH 45891
Phone# (260) 525-2975

July 18, 2014 N101DF Cessna 421B SN 421B0315 Aircraft Hobbs Time: 117.4 Aircraft Total Time:6670.2

- (1) Replaced LH & RH main tires with Goodyear Flight Special II 6.50 x 10 - 8 Ply tires, PN# 650C81-5, SN#s 41442530 & 41442307 and Michelin Airstop Tube PN 092-344-0. See Goodyear parts tags for Tires. See Michelin Certificate of conformance dated 13/07/12 for tubes. Copies of paperwork have been given to aircraft owner for inclusion in permanent aircraft records. Reinstalled wheel assembly on aircraft using new AN380-4 Cotter Pins
- (2) Replaced 8ea RH brake pads and 4 ea brake pins with Rapco FAA PMA PN#RA066-6600 and Rapco FAA PMA PN# RA177-01600 respectively. Parts replacement completed in accordance with Cleveland Manual AWBCMM0001-11 USA Section 200. Performed metallic lining conditioning procedure as specified by Section 200.

Joshua L Johnson [Signature] 2861359 A&P

-----END-----

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

*****MUNCIE AVIATION COMPANY C.R.S. # AJVR135C*****

Removed Aspen EFD1000 s/n 12127 and installed exchange s/n 14647. Performed pitot and static leak check - good. Ramp checked good.

Make: Cessna Ser. No.: 421B0315
 Model: 421B Reg. Mark: N101DF

The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed. Pertinent details of the repair are on file at the Agency.

Work Order No.: A002038 Date: 09-08-14
 Signed: [Signature] Inspector for
 MUNCIE AVIATION COMPANY C.R.S.#AJVR135C
 MUNCIE, IN 47303-9778 (765) 289-7141

Aircraft Tach: 143.3

*****MUNCIE AVIATION COMPANY C.R.S. # AJVR135C*****

Removed Pitch Servo P/N 35070-0328 S/N 1123, repaired, bench checked good IAW 400A IFCS Service/Parts Manual 0430 Rev 2/75, and reinstalled. Cleaned and lubed Alternate Static Valve. Replaced Static lines between airspeed indicator and altimeter on pilots side. Removed Pilots Standby Altimeter/Encoder P/N 8140B-35 S/N 8181 and installed P/N 8140B-35LW S/N 9774. Static System leak checks good. All systems mentioned in this logbook entry ramp checks good.

Make: Cessna Ser. No.: 421B0315
 Model: 421B Reg. Mark: N101DF

The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed. Pertinent details of the repair are on file at the Agency.

Work Order No.: A003080 Date: 04-29-2015
 Signed: [Signature] Inspector for
 MUNCIE AVIATION COMPANY C.R.S.#AJVR135C
 MUNCIE, IN 47303-9778 (765) 289-7141

Aircraft Tach: 226.4

PLEASE PLACE IN AIRCRAFT LOGBOOK

ACHIEVEMENT AVIATION LLC

Facility Address:
 Van Wert County Airport
 1400 Leeson Ave
 Van Wert, OH 45891

Mailing Address:
 PO Box 1031
 Van Wert, OH 45891
 Phone# (260) 525-2975

May 5, 2015 N101DF Cessna 421B SN 421B0315 Aircraft Hobbs Time: 227.0 Aircraft Total Time: 6779.8

- (1) Performed annual inspection of aircraft using checklist conforming to 14CFR43 Appendix D
- (2) Complied with the following parts of AD 00-01-16 Eff 02/15/00
 - (1) paragraph (b) by following instructions in Appendix of AD titled "Visual Inspection. Next due later of Hobbs 277 or 6/5/2015
 - (2) paragraph (e) - inspected and pressure tested exhaust system by complying with Appendix of AD titled "Pressure Test" - next due 5/5/2016
 - (3) Note: Paragraph C, removal of tailpipe will be due on left side at Hobbs 437.5, right side at Hobbs 500.0 - paragraph G - removal of system for overhaul will be due June 30, 2019, Aircraft total time 7734.4, Hobbs time 1161.0
- (3) Greased landing gear as required with Aeroshell #6
- (4) Complied with landing gear rigging inspection as per chapter 4 of Cessna 421B Maintenance Manual
- (5) Cleaned and packed wheel bearings
- (6) Lubricated hinge bearings as required

LIFE LIMITED COMPONENT TIMES:

Exhaust System multi segment V-bands replacement due at Hobbs 437.5. Heater overhaul due at Heater Hobbs 1000.0. Exhaust System Overhaul due at Aircraft Total Time 7734.4

I certify that this AIRCRAFT has been inspected in accordance with an annual inspection and was found to be in unairworthy condition. A list of discrepancies has been given to aircraft owner.

Joshua L Johnson [Signature] A&P 2861559 IA

SUB-TOTALS this page

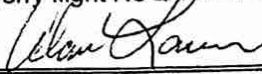
TOTALS—Carry forward to next page

DATE

N101DF		CESSNA 421B		S/N 0315	
DATE:	9/10/2015	Hobbs Time:	227.0	AFTT:	6,779.8
L ENG:	GTSIO-520-H	S/N:	234846-R	TSO:	1545.5
R ENG:	GTSIO-520-H	S/N:	234805-R	TSO:	771.3
L Prop:	PHC-C3YD-2UF	S/N:	MJ55B	TSO:	517.7
R Prop:	PHC-C3YD-2UF	S/N:	MJ53B	TSO:	517.7

Complied with re-occurring AD 2000-01-16 on both engines: Exhaust inspection items completed were the 50 hour visual inspection of both exhaust systems, the tail pipe inspection, the bulkhead/beam inspection, and completed the exhaust system pressure test as detailed in the AD. Pulled heater C/B rendering cabin heater inoperative. Pulled air-conditioning C/B rendering the system inoperative. Pulled deice C/B rendering leading edge deice system inoperative. Replaced exhaust overboard clamp with serviceable clamp. Reassembled elevator trim actuator. Installed removed external panels and interior as needed. Complied with re-occurring AD 2007-05-15 by complying with Continental Motors Mandatory Service Bulletin MSB94-4G. Left engine starter adaptor inspection tested within limits next inspection 377.0 Hobbs time. Changed right engine starter adaptor with new part (kit #EQ6642). All other ADs listed on current FAA web site previously complied with at this time. Engine runs and taxi checks preform with in manufactures limits. This aircraft has been inspected and determined to be safe for ferry flight KCQA to KFWA.

Signature:



Alan Lance IA 337543694

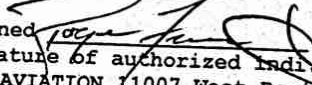
ATLANTIC AVIATION FAA APPROVED REPAIR STATION BLBR505C

LOG BOOK ENTRY / MAINTENANCE ACTIONS N101DF W/O FWA15-1024 DATE 09-23-15
 AIRCRAFT MODEL SER.NO. HM ACFT.TT HM
 CESSNA 421B 421B0315

Completed the following maintenance:

- Removed and replaced damaged area of RIGHT(OUTBOARD) FLAP INBOARD SKIN with NEW SKIN I/A/W CESSNA 421B SRM 16-2B -reinstalled flap with new hinge pin treated and painted new skin; travels and ops checks good.
 - C/W PRISM INSPECTION OF LEFT AND RIGHT WINDSHIELDS - NO CRACKS NOTED AT THIS TIME
- Ground runup checked good. The A/C, engine or component identified above was repaired and inspected IAW current FAA regulations and is airworthy with respect to work performed. Aircraft approved for return to service. END.

Date:09-23-15

Signed  for
 (Signature of authorized individual)
 ATLANTIC AVIATION 11007 West Perimeter Rd.
 FORT WAYNE, INDIANA 46809
 F.A.A. REPAIR STATION BLBR505C

SUB-TOTALS this page

TOTALS—Carry forward to next page

N101DF		CESSNA 421B		S/N 0315	
DATE:	12/1/2015	Hobbs Time:	227.1	AFTT:	6,779.9
L ENG:	GTSIO-520-H	S/N:	234846-R	TSO:	1545.6
R ENG:	GTSIO-520-H	S/N:	234805-R	TSO:	771.4
L Prop:	PHC-C3YD-2UF	S/N:	MJ55B	TSO:	517.8
R Prop:	PHC-C3YD-2UF	S/N:	MJ53B	TSO:	517.8

Pulled air-conditioning C/B rendering the system inoperative. Pulled deice C/B rendering leading edge deice system inoperative. All the ADs listed on current FAA web site previously complied with at this time. This aircraft has been inspected and determined to be safe for intended ferry flight KFWA to KHHG.

Signature: *[Handwritten Signature]*

Alan Lance IA 337543694

LEFT GOV S/N 781908 ACCORDING TO B130 (4B)

N101DF		CESSNA 421B		S/N 0315	
DATE:	2/1/2016	Hobbs Time:	227.0	AFTT:	6,779.8
L ENG:	GTSIO-520-H	S/N:	1012436	TSO:	0.0
R ENG:	GTSIO-520-H	S/N:	234805-R	TSO:	771.3
L Prop:	PHC-C3YD-2UF	S/N:	MJ55B	TSO:	517.7
R Prop:	PHC-C3YD-2UF	S/N:	MJ53B	TSO:	517.7
L Gov	DCFS29D9-A/76	S/N:	801454	TSO:	0.0
R gov	DCFS29D9-A/76	S/N:	810067	TSO:	0.0

Complied with reoccurring AD 2000-01-16 on both engine exhaust systems. Inspection items completed were the 50-hour visual inspection of both exhaust systems, the tail pipe inspection, the bulkhead/beam inspection, and completed the exhaust system pressure test as detailed in the AD. Complied with reoccurring AD 2007-05-15 by complying with Continental Motors Mandatory Service Bulletin MSB94-4G on both engines. Changed both engines oil and filters. Complied with both engine fire bottles hydrostat. Installed new hand held cockpit fire extinguisher. Complied with main oxygen bottle hydrostat. Replaced air-condition compressor belt. Removed left engine S/N 234846-R and installed overhauled engine S/N 1012436 with overhauled turbo turbo components. Installed all new left engine fuel and oil hoses fire wall forward. Installed all new left engine mounts. Installed overhauled prop governors on both engines, left engine S/N 810067 right engine S/N 801454. Complied with engine runs and adjustments as needed. Replaced top tail beacon assembly. As per STC SA800EA removed installed tail nav/strobe fixture assembly and its power supply, replaced with Whelen LED tail position all in one light assembly P/N 01-0771774V02 alt # Orion 500V. As per STC SA615AE removed installed belly beacon light assembly and installed LED Whelen beacon assembly model 7108015 P/N 01-0771080-15. Complied with form 337's as required. Replaced left nav light bulb. Replaced main ship battery. Installed two overhauled magnetos on right engine. Removed right elevator and trim tab assembly, installed a new elevator control tube end fitting P/N 5035005-6 and taper pin and nuts. Inspected elevator trim tab actuator and reinstalled elevator and trim tab as per Cessna maintenance manual. Replaced ELT battery and complied with a functional test of the ELT as per 14 CFR 91.207 D using the Artex test procedures. New ELT battery S/N 368043-049 expires June 2023. Installed all new brake pads. Weighed aircraft, EW 5244, EWM 792270, MW 7579, UW 2335. Inspected and operationally tested fuselage de-ice boot system. Changed pressurization system filters. Replaced flap position indicator. All current AD's complied with. I certify that this aircraft airframe, engines and the propellers were inspected accordance with an annual/100-hour inspection as per 14 CFR Part 43 appendix D. This aircraft engine has been determined to be in airworthy condition.

Signature: *[Handwritten Signature]*

Alan Lance IA 337543694

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Page No. _____

DATE _____

N: 101DF
Details of this inspection are on file at this facility under:

Date: 2-5-2016 WO#: 4521

Make/Model: Garmin GTX 33 SN: 89123902
Make/Model: King K176C SN: 6294

I certify the ATC transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with Part 43, Appendix F.

Tech: SC Signature: [Signature]

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

forward from previous page

N101DF	CESSNA 421B	S/N 0315	
DATE: 2-2202016	Hobbs Time: 236.2	AFTT: 6,789.0	16-3022
L ENG: GTSIO-520-H	S/N: 1012436	TSO: 9.2	1591
R ENG: GTSIO-520-H	S/N: 234805-R	TSO: 780.5	820
L Prop: PHC-C3YD-2UF	S/N: MJ55B	TSO: 526.9	1873
R Prop: PHC-C3YD-2UF	S/N: MJ53B	TSO: 526.9	1873
L Gov DCFS29D9-A/T6	S/N: 781908	TSO: 0.0	1800
R gov DCFS29D9-A/T6	S/N: 810067	TSO: 9.2	1791

Installed overhauled prop governor on left engine S/N 781908. Changed engine oil and filter.
Completed left runs and adjustments as needed.

Signature: [Signature] Alan Lance IA 337543694

N101DF	CESSNA 421B	S/N 0315	
DATE: 6/10/2016	Hobbs Time: 240.6	AFTT: 6,793.4	1586
L ENG: GTSIO-520-H	S/N: 1012436	TSO: 13.6	815
R ENG: GTSIO-520-H	S/N: 234805-R	TSO: 784.9	1869
L Prop: PHC-C3YD-2UF	S/N: MJ55B	TSO: 531.3	1869
R Prop: PHC-C3YD-2UF	S/N: MJ53B	TSO: 531.3	1796
L Gov DCFS29D9-A/T6	S/N: 781908	TSO: 4.4	1786
R gov DCFS29D9-A/T6	S/N: 810067	TSO: 13.6	

Replaced 6.00-6 nose tire, instrument air filter, & cigarette adapters in the cabin.

Signature: [Signature] Alan Lance IA 337543694

N101DF	CESSNA 421B	S/N 0315	
DATE: 7/19/2016	Hobbs Time: 277.6	AFTT: 6,830.4	16-3227
L ENG: GTSIO-520-H	S/N: 1012436	TSO: 50.6	1549
R ENG: GTSIO-520-H	S/N: 234805-R	TSO: 821.9	778
L Prop: PHC-C3YD-2UF	S/N: MJ55B	TSO: 568.3	1832
R Prop: PHC-C3YD-2UF	S/N: MJ53B	TSO: 568.3	1832
L Gov DCFS29D9-A/T6	S/N: 781908	TSO: 41.4	1759
R gov DCFS29D9-A/T6	S/N: 810067	TSO: 50.6	1749

Complied with reoccurring AD 2000-01-16 on both engine exhaust systems. Inspection items completed were the 50-hour visual inspection of both exhaust systems, the tail pipe inspection, the bulkhead/beam inspection, and completed the exhaust system pressure test as detailed in the AD. Complied with reoccurring AD 2007-05-15 by complying with Continental Motors Mandatory Service Bulletin MSB94-4G on both engines starter drives. Changed both engines oil and filters. Serviced air-conditioning Freon system. Installed new starter on right engine P/N C24ST5.

Signature: [Signature] Alan Lance IA 337543694

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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
				N101DF CESSNA 421B S/N 0315 DATE: 7/29/2016 Hobbs Time: 280.6 AFTT: 6,833.4 <i>16-5131</i> L ENG: GTSIO-520-H S/N: 1012436 TSO: 53.6 1546 R ENG: GTSIO-520-II S/N: 234805-R TSO: 824.9 775 L Prop: PHC-C3YD- S/N: MJ55B TSO: 571.3 1829 R Prop: PHC-C3YD- S/N: MJ53B TSO: 571.3 1829 L Gov DCFS29D9- S/N: 781908 TSO: 44.4 1756 R gov DCFS29D9- S/N: 810067 TSO: 53.6 1746
				Serviced Freon air-conditioning system and trouble shot system for leaks. Placed a new starter onboard. Replaced right side electric aux fuel pump P/N 950-B S/N 152919. Swapped left main tire inboard to outboard, and installed new tire on right main wheel. Changed all the main wheel brake pads. Trouble shot right engine oil leak, tightened up oil lines at oil cooler. Repaired right engine upper engine cowling crack. Replaced standby altimeter with new P/N 5934PA-3 S/N 503844. Installed new Transcal altitude encoder P/N SSD120-3 S/N 21450. Signature: <i>[Signature]</i> Alan Lance IA 337543694

Premier Avionics, LLC

N: 101DF

Capt

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. X 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16	
TOL. ± FT.	20	20	20	20	25	30	30	35	40	40	60	80	90	100	90	110	
ACTUAL FRICTION	-1000	0	400	200	1400	1000	1000	3000	60	5000	1000	1000	1000	1000	1000	1000	
TEST ALT. X 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)							
TOL. ± FT.	120	130	140	155	180	205	230	255	280	28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
ACTUAL FRICTION	1700	1000	2000	1500	1500	1500	1500	1500	1500	1700	2000	2000	2000	0	500	800	600
HYSTERESIS (TOL. ± 75 FT.)				50% MAX. +65				40% MAX. +50	AFTER EFFECT (TOL. 30 FT.): +20				CASE LEAK: -72				

ALTIMETER MAKE <u>United</u>	BLIND ENCODER <u>Trans-Cal</u>	TRANSPONDER NAME <u>King</u>
MODEL <u>5934</u>	MODEL <u>SSA 120</u>	MODEL <u>KT-76C</u>
S/N <u>79966</u>	S/N <u>21450</u>	S/N <u>6294</u>

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 35000 FT. TO COMPLY WITH FAR 91.411.
 CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.
 CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.
 This aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 7-29-2016 Tech: JJP W.O. 4521 Signed: *[Signature]*

PREMIER AVIONICS, LLC • CRS# 7PMR634B • PH. (260) 747-4810 • 11007 W. PERIMETER ROAD • FORT WAYNE, INDIANA 46809

Premier Avionics, LLC

N: 101DF

Standby

ALTIMETER, STATIC AND TRANSPONDER CERTIFICATE

TEST ALT. X 1000 FT.	-1	0	.5	1	1.5	2	3	4	5	6	8	10	12	14	15	16	
TOL. ± FT.	20	20	20	20	25	30	30	35	40	40	60	80	90	100	90	110	
ACTUAL FRICTION	-1000	0	500	1000	1500	2000	2000	3000	15	5000	1000	1000	1000	1000	1000	1000	
TEST ALT. X 1000 FT.	18	20	22	25	30	35	40	45	50	BARO. SCALE ERROR (TOL. ± 25 FT.)							
TOL. ± FT.	120	130	140	155	180	205	230	255	280	28.10	28.50	29.00	29.50	29.92	30.50	30.90	30.99
ACTUAL FRICTION	1700	1000	2000	1500	1500	1500	1500	1500	1500	1700	2000	2000	2000	0	500	800	600
HYSTERESIS (TOL. ± 75 FT.)				50% MAX. +60				40% MAX. +35	AFTER EFFECT (TOL. 30 FT.): +15				CASE LEAK: -72				

ALTIMETER MAKE <u>United</u>	BLIND ENCODER <u>Aspen</u>	TRANSPONDER NAME <u>Garmin</u>
MODEL <u>5934PA-3</u>	MODEL <u>ARD 1000</u>	MODEL <u>GTX 33</u>
S/N <u>503844</u>	S/N <u>14647</u>	S/N <u>89123902</u>

CERTIFIED ALTIMETER PER FAR 43, APP. E (b) TO 35000 FT. TO COMPLY WITH FAR 91.411.
 CERTIFIED STATIC SYSTEM PER FAR 43, APP. E (a) TO COMPLY WITH FAR 91.411.
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING SYSTEM PER FAR 43, APP. E (c) TO COMPLY WITH FAR 91.411.
 CERTIFIED TRANSPONDER PER FAR 43, APP. F TO COMPLY WITH FAR 91.413.
 This aircraft and/or component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

Date: 7-29-2016 Tech: JJP W.O. 4521 Signed: *[Signature]*

PREMIER AVIONICS, LLC • CRS# 7PMR634B • PH. (260) 747-4810 • 11007 W. PERIMETER ROAD • FORT WAYNE, INDIANA 46809

N101DF		CESSNA 421B		S/N 0315	
DATE: 12/15/2016		Hobbs Time: 318.3		AFTT: 6,871.1 16-3239	
L ENG:	GTSIO-520-H	S/N:	1012436	TSO:	0.0 1600
R ENG:	GTSIO-520-H	S/N:	234805-R	TSO:	862.6 737
L Prop:	PHC-C3YD-2UF	S/N:	MJ55B	TSO:	609.0 1791
R Prop:	PHC-C3YD-2UF	S/N:	MJ53B	TSO:	609.0 1791
L Gov:	DCFS29D9-A/76	S/N:	801454	TSO:	82.1 1718
R gov:	DCFS29D9-A/76	S/N:	810067	TSO:	91.3 1709

DRK

Complied with reoccurring AD 2000-01-16 on both engine exhaust systems. Inspection items completed were the 50-hour visual inspection of both exhaust systems, the tail pipe inspection, the bulkhead/beam inspection, and completed the exhaust system pressure test as detailed in the AD. Complied with reoccurring AD 2007-05-15 by complying with Continental Motors Mandatory Service Bulletin MSB94-4G on both engines. Changed both engines oil and filters. Complied with a functional test of the ELT as per 14 CFR 91.207 D using the Artex test procedures. Installed all new brake pads. Replaced right engine exhaust turbo inlet gasket seal P/N 2274-30. Replaced right engine turbo exhaust inlet pipe P/N 9910379-30. Replaced left flex brake line at left master cylinder P/N 111417-4S-0152, bleed and serviced brake system. Repaired broken wire at left control yoke to altitude hold button. Installed recovered control yokes. Replaced all four forward engine mounts with new P/N J-9613-54. Installed new forward engine mount bolts and shims as required. Forward mounts were shimmed to achieve maintenance service manual minimum clearances, all four forward engine mounts were shimmed and have bolts lengths to match. Replaced right main tire. Remove cabin headliner tightened loose air-conditioning duct, inspect for air duct damage, replaced headliner, and tested air flow from cabin ducts. Removed right engine fuel metering valve, sent out for repair, reinstalled, and re-rigged. Re-rigged landing gear and tested. Tested Replaced main wheel brake pads. Replaced engine All current AD's complied with. I certify that this aircraft airframe, engines and the propellers were inspected accordance with an annual/100-hour inspection as per 14 CFR Part 43 appendix D. This aircraft engine has been

Signature: *Alan Lance* Alan Lance IA 337543694

*****MUNCIE AVIATION COMPANY C.R.S. # AJVR135C*****

Reg. Mark	Date	HOBBS	Make: CESSNA	Ser. No.: 421B0315
N101DF	1/13/2017	319.7	Model: 421B	Reg. Mark: N101DF
Removed PA-500A pitch servo s/n 1123, disassembled, removed all corrosion, repaired, reassembled, and bench checked good. Reinstalled in aircraft and aligned with the autopilot system. S-530A mode selector repair deferred at this time, parts unavailable. Upgraded GTN-650 and GTN-750 software to version 6.21 per Garmin SB 1656 rev. A. Upgraded GMA-35 audio panel software to version 4.20 per Garmin SB 1656 rev. A. AFMS was placed in POH in the aircraft. GTN maintenance manual downloaded to USB and given to pilot.			The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed. Pertinent details of the repair are on file at the Agency. Work Order No.: A005236 Date: 01-13-2017	
			Signed: <i>[Signature]</i> Inspector for	
			MUNCIE AVIATION COMPANY C.R.S.#AJVR135C	
			MUNCIE, IN 47303-9778 (765) 289-7141 MAC	

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