



**AIRFRAME  
MAINTENANCE  
RECORDS**

Registration No. \_\_\_\_\_

N414LA

Serial No. \_\_\_\_\_

414A-0077

Priority Aviation, Inc.

133 Polk 52 Mena, AR 71953

[www.priorityaviation.com](http://www.priorityaviation.com)

Cessna 414

N414LA

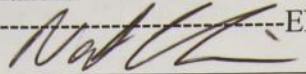
S/N

Aircraft was stripped, prepped, primed and painted by **AOG Paint Services**  
**479-394-5575.**

Base: Jet-Glo Matterhorn White #570-535

Trim: Black Velvet #10684A, Ruby Red #10701A, Carter Gold #10688A

All required flight controls were checked for balance in accordance with Cessna  
Maintenance Manual.

-----END-----  
Nathan Cline  A/P# 2960786 10-06-2009





## AIRFRAME MAINTENANCE RECORDS

Log No. 05

Aircraft Registration No. N 414LA

Model Cessna 414A

Serial No. 414A-0077

254/752-8381

Waco Regional Airport • P.O. Box 5219 • Waco, Texas 76708  
FAX 254-752-3307

1-800-445-9713

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[illegible]

**Suburban Aviation, Inc**

4383 Section Road  
Ottawa Lake MI 49267  
(734)856-6103  
[www.suburbanaviation.com](http://www.suburbanaviation.com)

Work Order: 08627

Opened: 3/14/2005

Department: SHOP

Closed: 3/16/2005

Sold To: Rimach Inc.  
326 Patillo Rd.  
Tecumseh, ON N8N 2L9 CANADA

<b>Aircraft Number:</b>		<b>N414LA</b>		<b>Type: CESSNA 414A</b>		<b>S/N: 414A0077</b>	
		<b>Total Time:</b>	7,021.7	<b>Hobbs Time:</b>	601.7	<b>Tach Time:</b>	0.0
<b>Eng#</b>	<b>Type</b>	<b>S/N</b>	<b>Time</b>	<b>Cycles</b>	<b>Prop Type</b>	<b>Prop S/N</b>	<b>Prop Time</b>
1	TSIO-520-NB	521235	4,376.7		3AF32C515	980261	1,490.0
		521248	4,376.7		3AF32C515	980308	1,490.0

**Aircraft Comments:**

Aircraft Comments:  
Both Engine TSMOH:1489.5 hrs

## Discrepancy: 3

**Problem:**

3/15/2005  
Replaced the Yaw Dampener servo cables and rigged per service manual. Replaced the ELT battery and tested per FAR 91.207(d), battery is due 2/28/2007.  
Heater Hobbs: 2105.4 Completed the Pressure Decay test and Air Pressure Switch test per AD2004-21-05, next due at Heater Hobbs: 2205.4 or 3/31/2006.  
Brian J. Eklund IA370744080

**Suburban Aviation, Inc**

4383 Section Road  
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(734)856-6103  
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Work Order: 08724

Department: SHOP

Sold To: Rimach Inc.  
326 Patillo Rd.  
Tecumseh, ON N8N 2L9 CANADA

## General Comments:

Annual was completed on 6/01/2005

Aircraft Number:		N414LA		Type:CESSNA 414A		S/N: 414A0077	
		Total Time:	7,078.1	Hobbs Time:	658.1	Tach Time:	0.0
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	TSIO-520-NB	521235	4,433.1		3AF32C515	980261	1,546.4
2	TSIO-520-NB	521248	4,433.1		3AF32C515	980308	1,546.4

**Aircraft Comments:**

TSMOH: 1545.9 on both Engines  
TSOH: 504.5 on both Propellers

## Discrepancy: 1

**Problem:**

6/01/2005  
Completed the 100hr Annual Inspection IAW the service manual and check list. AD's were checked per Adlog System. Replaced the battery as per FAR 91.207(d), battery is due 2/28/2007. Checked the lights and serviced the battery. Repaired the taxi light wiring. Replaced the vacuum regulator filters. Jacked aircraft and completed the landing gear retraction tests. Serviced the wheel bearings and cleaned the brakes. Oxygen bottle was hydro static tested and is due next 5/2010. Replaced the wheel bearings and cleaned the fuel strainers. Checked the controls and lubed. Cleaned the replaced the gauge line and serviced the system. Cleaned the fuel strainers. Checked the controls and lubed. Cleaned the aircraft. AD2000-01-16 inspections and pressure tests on exhaust systems per B,C,D and E. AD2004-25-16 R1 inspected the heater fuel shut off valve, due each annual or 100 hrs heater time. AD2005-12-13 is due at 8500 hrs Total Time. AD2005-14-11 DNA propellers were overhauled by Tiffin Aire.

Cleaned and dressed both propellers, tested the deice boots. Inspected mounting and spinners.

Left Engine:  
Oil and filter changed, filter cut and wear check was normal, serviced with Phillips 20/50 XC oil. Compressions were 1-78, 2-84, 3-76, 4-78, 5-79, 6-72/80. Magneto's were at 21 degrees. Serviced the spark plugs, cleaned the fuel nozzles. Serviced the air filter. Inspected the exhaust system and torqued the turbo mounting bolts. Rpaired the CHT wires. Cleaned the engine down and checked the engine controls.

Right Engine:  
Oil and filter changed, wear check reported high aluminum, cut the filter and found normal. Serviced the engine with Phillips 20/50 XC oil. Compressions were 1-79, 2-54, 3-79, 4-79, 5-79, 6-79/80. Magnetos were at 21 degrees. Serviced the spark plugs, cleaned the fuel nozzles. Cleaned the air filter. Inspected the exhaust system and tightened the flange nuts, torqued the turbo mounting bolts. Checked the engine controls and cleaned the engine down. Ground test ran.

I certify this Aircraft, Engines and Propellers was inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Brian J. Eklund IA370744080



**Suburban Aviation, Inc.**

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Ottawa Lake MI 49267  
(734)856-6103  
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DESCRIPTION OF WORK PERFORMED  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Work Order: 09012

Department: SHOP

Sold To: Rimach Inc.  
326 Patillo Rd.  
Tecumseh, ON N8N 2L9 CANADA

Aircraft Number:		N414LA		Type:CESSNA 414A		S/N: 414A0077							
Total Time:		7,131.7		Hobbs Time:		711.7		Tach Time:		0.0		LG Cycles:	
Eng#	Type	S/N		Time		Cycles		Prop Type		Prop S/N		Prop Time	
1	TSIO-520-NB	276704-H		4,119.7				3AF32C515		980261		1,600.0	
2	TSIO-520-NB	278308-R		1,594.0				3AF32C515		980308		1,600.0	
Aircraft Comments:													
TSMOH Both engines 0.0 hrs													

**Aircraft Comments:**

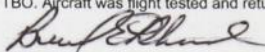
TSMOH Both engines 0.0 hrs

**Discrepancy: 1****Problem:**

11/11/2005

Aircraft was placed on jacks and replaced both main tires, serviced the wheel bearings. Trouble shot the power inverter and found the breakers were open under the avionics bay in the nose baggage. Reset and tested with a load and found working normal. Reinstalled the cabin door handle drive pins. Replaced the forward door cable with new part. Serviced the aircraft battery. Cleaned the aircraft. Repaired the skin cracks per service manual found at engine change under both engine nacelles. Trouble shot the hydraulic fluid leaks in the right wing and repaired the fluid lines found leaking. Engine were replaced with Newly overhauled Ram engines TSIO-520-NB with 1600 hr TBO. Aircraft was flight tested and returned to service.

Brian J. Eklund IA370744080


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Work Order: 09099

Department: SHOP

Opened: 12/20/2005

Closed: 12/20/2005

Sold To: Rimach Inc.  
326 Patillo Rd.  
Tecumseh, ON N8N 2L9 CANADA

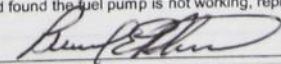
Aircraft Number:		N414LA		Type:CESSNA 414A			S/N: 414A0077						
Total Time:		7,141.8		Hobbs Time:		721.8		Tach Time:		0.0		LG Cycles:	
Eng#	Type	S/N		Time	Cycles	Prop Type		Prop S/N		Prop Time			
1	TSIO-520-NB	276704-H		4,129.8		3AF32C515		980261		1,610.1			
2	TSIO-520-NB	276308-R		1,604.1		3AF32C515		980308		1,610.1			

**Discrepancy: 1****Problem:**

12/20/2005

Cabin heater inop, trouble shot and found the fuel pump is not working, replaced with new electric fuel pump and ground tested the heater. Heater Hobbs: 2139.7

Brian J. Eklund IA370744080



SUB-TOTALS this page

TOTALS—Carry forward to next page

4383 Section Road  
Ottawa Lake MI 49267  
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Opened: 2/01/2006  
Closed: 2/01/2006

Department: SHOP

Sold To: Rimach Inc.  
326 Patillo Rd.  
Tecumseh, ON N8N 2L9 CANADA

Aircraft Number:		N414LA		Type: CESSNA 414A		S/N: 414A0077	
Total Time:		7,151.5		Hobbs Time: 731.5		Tach Time: 0.0 LG Cycles:	
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	TSIO-520-NB	276704-H	4,139.5		3AF32C515	980261	1,619.8
2	TSIO-520-NB	278378-R	1,613.8		3AF32C515	980308	1,619.8

Discrepancy: 1

**Problem:**

2/1/2006  
Replaced the avionic master switch Circuit breaker with new CM3589-50. Dated 0603 per AD2005-20-25. Tested system.  
Erian J. Eklund IA370744080

4383 Section Road  
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Opened: 5/10/2006  
Closed: 5/10/2006

Department: SHOP

Sold To: Rimach Inc.  
326 Patillo Rd.  
Tecumseh, ON N8N 2L9 CANADA

Aircraft Number:		N414LA		Type:CESSNA 414A		S/N: 414A0077	
Total Time:		7,191.8	Hobbs Time:		771.8	Tach Time: 0.0 LG Cycles:	
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	TSIO-520-NB	276704-H	4,179.8		3AF32C515	980261	1,660.1
2	TSIO-520-NB	278308-R	1,654.1		3AF32C515	980308	1,660.1

Discrepancy: 1

**Problem:**

5/10/2006  
Replaced all 16 brake linings and the oil fill tube gasket on the right engine.  
Brian J. Eklund IA370744080

**TOTALS**—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TO TII SIN OVER
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**Suburban Aviation, Inc.**

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Work Order: 09454

Department: SHOP

Sold To: Rimach Inc.  
326 Patillo Rd.  
Tecumseh, ON N8N 2L9 CANADA

Aircraft Number:		N414LA		Type:CESSNA 414A		S/N: 414A0077							
Total Time:		7,226.2		Hobbs Time:		806.2		Tach Time:		0.0		LG Cycles:	
Eng#	Type	S/N		Time	Cycles	Prop Type		Prop S/N		Prop Time			
1	TSIO-520-NB	276704-H		4,214.2		3AF32C515		980261		1,694.5			
2	TSIO-520-NB	278308-R		1,688.5		3AF32C515		980308		1,694.5			

**Aircraft Comments:**

TSMOH: 94.5 on both engines

**Discrepancy: 1****Problem:**

7/06/2006

Completed the 100hr Annual Inspection IAW the service manual and check list. AD's were checked per Adlog system. EIT inspections per FAR 91.207(d), battery is due 2/28/2007. Checked the lights and serviced the battery. Serviced the wheel bearings and cleaned the brakes. Checked the controls and lubed. Jacked aircraft and completed retraction tests and greased fittings. Cleaned the aircraft. Replaced vacuum filters and regulator filters. Repaired co-pilot seat arm rest. Heater and air switch were inspected per AD2004-21-05 and 2004-25-16 R1. AD2006-03-08 DNA to air pumps. Dressed the propellers, AD2005-14-11 Fast de-ice boots by replacing all fast type boots with normal boots, replaced 2 leads and tested system.

Left Engine S/N: 276704-H TSMOH: 94.5

Engine oil was not changed at this time. Compressions were 1-78, 2-77, 3-78, 4-77, 5-79, 6-76/80. Magnetos were at 21 degrees. Serviced the spark plugs, the fuel screens and air filter. Inspected the exhaust system and pulled tail pipe per AD2000-01-16. Lubed and checked the engine controls. Cleaned the engine down and ground test ran.

Right Engine S/N: 278308-R

Engine oil was not changed at this time. Compressions were 1-78, 2-78, 3-79, 4-77, 5-75, 6-78/80. Magnetos were at 21 degrees. Serviced the spark plugs, the fuel screens and air filter. Inspected the exhaust system and pulled tail pipe per AD2000-01-16. Lubed and checked the engine controls. Cleaned the engine down and ground test ran.

I certify this Aircraft, Engines and Propellers was inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Brian J. Eklund JA370744080

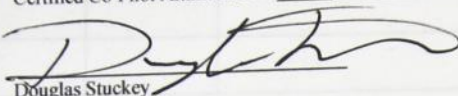
11-03-06

367.4

Rotated the Right main tire  
Replaced the left main tire  
and serviced wheel bearings.  
Brian Eklund JA 370744080

SUB-TOTALS this page

TOTALS—Carry forward to next page


DATE	TOTAL TIME IN SERVICE	<p>Meyers Avionics Inc. 20311 Airport Rd Defiance OH 43512 CRS# OF5R091N</p> <p>The ATC Transponder tests and inspections required by FAR 91.413 have been performed this date and found to comply with FAR 43, Appendix F.</p> <p>Mfg <u>King</u> Model <u>KT76A</u> SN <u>117285</u> Mfg <u>King</u> Model <u>KT76A</u> SN <u>117230</u></p> <p>The Altitude Reporting system test required by FAR 91.217 was performed in accordance with Appendix 1 of AC43-6A.</p> <p>The Static System tests and inspections required by FAR 91.411A were performed this date and found to comply with FAR 43, Appendix E.</p> <p>Certified Pilot Altimeter PN- 42540-6128 SN- 3104 in accordance with FAR 43, Appendix E,(b).</p> <p>Certified Co-Pilot Altimeter PN- 5934A SN-3D178 in accordance with FAR 43, Appendix E,(b).</p> <p> Douglas Stuckey</p>	<p>9/1/06 WO#5997 N414LA Cessna 414A SN-414A0077</p>
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Meyers Avionics, Inc.  
20311 Airport Road  
Defiance OH 43512  
CRS# OF5R091N



9/1/06  
WO#5997  
N414LA  
Cessna 414A SN-414A0077

While performing IFR Certifications found a static leak at sump bottle. Tightened connections. Checked ok.

  
Douglas Stuckey

		<b>MEYERS AVIONICS, INC.</b> N414LA Cessna 421A SN-421A0077 Pilot		<b>FAA APPROVED REPAIR STATION</b> OF5R091N DEFIANCE COUNTY AIRPORT 20311 AIRPORT ROAD DEFIANCE OH 43512	
<b>ALTIMETER SCALE ERROR</b> DATE 9/1/06				<b>PART NO.</b> 42540-6128	
<b>SERIAL NO.</b> 3104					
TEST PT (FT.)	ERROR	TEST PT (FT.)	ERROR	TEST PT (FT.)	ERROR
-1000	-20	10000	-10	40000	
00	-20	12000	-30	45000	
500	-10	14000	-50	50000	
1000	-10	16000	-65	51000	
1500	+5	18000	-70	52000	
2000	-20	20000	-70	53000	
3000	-15	22000	-60	54000	
4000	-15	25000	-90	55000	
6000	+5	30000	-80	60000	
8000	+10	35000	+100	70000	
<b>CERTIFIED TO 35 000 FT</b> <b>PER FAR PT. 43 APPENDIX (E) PAR "B"</b>					



4383 Section Road  
Ottawa Lake MI 49267  
(734)856-6103  
[www.suburbanaviation.com](http://www.suburbanaviation.com)

Opened: 9/01/2006  
Closed: 9/12/2006

Sold To: Rimach Inc.  
326 Patillo Rd.  
Tecumseh, ON N8N 2L9 CANADA

<b>Aircraft Number:</b>		<b>N414LA</b>		<b>Type:CESSNA 414A</b>		<b>S/N: 414A0077</b>	
Total Time:		7,262.7	Hobbs Time:		842.7	Tach Time: 0.0 LG Cycles:	
<b>Eng#</b>	<b>Type</b>	<b>S/N</b>	<b>Time</b>	<b>Cycles</b>	<b>Prop Type</b>	<b>Prop S/N</b>	<b>Prop Time</b>
1	TSIO-520-NB	276704-H	4,250.7		3AF32C515	980261	1,731.0
2	TSIO-520-NB	278308-R	1,250.0		3AF32C515	980308	1,731.0
<b>Aircraft Comments:</b>							

## Discrepancy: 1

**Problem:**

9/12/2006

1. Checked battery, slow cranking, Serviced and charged.
2. Check right brake, not holding, Bled system.
3. Replaced the right dip stick gasket.
4. Replaced the left dip stick gasket.

5. Trouble sho  
6. Left Engine

Completed the engine oil and filter change, filter cut and wear check sent in. Serviced with Phillips 20/50 XC oil. Cleaned the engine down. Completed the Exhaust system inspections and pressure test per AD2000-01-16. Engine was test ran.

### 7. Right Engine

Completed the engine oil and filter change, filter cut and wear check sent in. Serviced with Phillips 20/50 XC oil. Cleaned the engine down. Completed the Exhaust system inspections and pressure test per AD2000-01-16. Engine was test ran. Replaced #1 CHT probe.

Brian J. Eklund IA370744080

st system inspections and pressure test per AD200

3-6-07	2329.9	—	HOABS 909.9	new ELF Battery - 11-04-2004.
				C/w 2000-01-16 Exhaust Pressure test
				+ Visual Inspection on both Engines.
				SAVED 09908 from <i>[Signature]</i> FASDND058

**TOTALS**—Carry forward to next page

4383 Section Road  
Ottawa Lake MI 49267  
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Department: SHOP

Sold To: Rimach Inc.  
326 Patillo Rd  
Tecumseh, ON N5N2L9 Canada

Aircraft Number:		N414LA		Type:CESSNA 414A		S/N: 414A0077	
Total Time:		7,402.5		Hobbs Time:		982.5	
Tach Time:		0.0		LG Cycles:			
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	TSIO-520-NB	276704-H	4,790.5		3AF320515	980261	1,870.8
2	TSIO-520-NB	278208-R	1,304.8		3AF320515	980308	1,870.8

Engines 1 SMOH:270.8  
Props TSOH:829.0  
Heater Hobbs:2231.9

8/20/2007

Completed the 100hr Annual Inspection IAW the service manual and check list. AD's were checked per Adlog system. EIT inspections per FAR 91 207(d), battery is due 1/31/2009. Checked the lights and serviced the battery. Replaced the aux power plug door. Serviced the wheel bearings and cleaned and replaced the brake linings. Replaced the nose tire. Aircraft was jacked and gear retraction checks, hydraulic pressures checked. Greased the fittings. Replaced the air conditioner condenser blower motor and repaired the door closer cylinder and mounting bracket. Replaced the cabin door lower cable. Serviced the fuel strainers. JPI S/N:2075 was repaired and updated by MFG and reinstalled. Checked the controls and lubed. Replaced the right engine alternate air control cable. Cleaned the aircraft. AD2000-01-16 pressure tested and inspected both engines exhaust systems, AD2004-21-05 tested the air switch and pressure decay tested heater, next due 8/20/2009 or at 2331.9 Hobbs time, AD2004-25-16 R1 inspected the heater fuel shut off valve and is due at 2331.9 or 8/20/2008. AD2006-03-08 and AD2007-04-19 R1 both DNA.

Inspected, cleaned and dressed the propellers, tested the de-ice and reinstalled spinners.

Left Engine Oil and filter changed, wear check sent in, filter cut. Serviced with Phillips 20/50 XC oil. Compressions were 1-78, 2-74, 3-76, 4-76, 5-78, 6-78/80. Mags were at 20 degrees. Serviced the spark plugs, cleaned the air filter. Inspected the controls, fluid hoses and mounts. Replaced the wastegate valve with RAM overhauled unit S/N TE039807 due to piston leaks. Cleaned engine down.

Right Engine Oil and filter changed, wear check sent in, filter cut. Serviced with Phillips 20/50 XC oil. Compressions were 1-75, 2-77, 3-77, 4-78, 5-77, 6-78/80. Mags wce at 20 degrees. Serviced the spark plugs. Cleaned the air filter, fuel screens, checked the fluid hoses, mounts. Cleaned the engine down.

I certify this Aircraft, Engines and Propellers was inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Prin. I. Eklund 1A370744080

4383 Section Road  
Ottawa Lake MI 49267  
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**Closed:** 10/19/2007

Sold To: Rimach Inc.  
326 Patillo Rd  
Tecumseh, ON N8N2L9 Canada

Aircraft Number:		N414LA	Type:CESSNA 414A		S/N: 414A0077		
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time
1	TSIO-520-NB	276704-H			3AF32C515	980261	1,870.8
2	TSIO-520-NB	278308-R			3AF32C515	980308	1,870.8

10/18/2007

X Cabin Heater no air flow, found the air blower motor inop, removed and inspected motor, replaced the brushes and cleaned and lubed, replaced the brush springs and tested motor, reinstalled and tested in aircraft.

Brian J. Eklund 1A370744080





MEYERS AVIONICS, INC.

FAA APPROVED REPAIR STATION

N414LA

OF5R091N

Cessna 414A

DEFIANCE COUNTY AIRPORT

SN-414A0077

20311 AIRPORT ROAD

Pilot

DEFIANCE OH 43512

ALTIMETER SCALE ERROR  
DATE 9/05/08

PART NO.

42450-6128

SERIAL NO.

3104

TEST PT (FT.)	ERROR	TEST PT (FT.)	ERROR	TEST PT (FT.)	ERROR
-1000	-10	10000	+20	40000	
00	+10	12000	-40	45000	
500	-10	14000	-40	50000	
1000	0	16000	-30	51000	
1500	-10	18000	-60	52000	
2000	-5	20000	-65	53000	
3000	+10	22000	-60	54000	
4000	-15	25000	-65	55000	
6000	-5	30000	-80	60000	
8000	-10	35000	-70	70000	

CERTIFIED TO 35000 FT  
PER FAR PT. 43 APPENDIX (E) PAR "B"

*Douglas Stuckey*  
Douglas Stuckey

## Suburban Aviation, Inc.

4383 Section Road  
Ottawa Lake MI 49267  
(734)856-6103  
www.suburbanaviation.com

Work Order: 11004

Department: SHOP

Sold To: Rimach Inc.  
326 Patillo Rd  
Tecumseh, ON N8N2L9 Canada

Aircraft Number: N414LA		Type: CESSNA 414A		S/N: 414A0077	
Total Time: 7,481.3		Hobbs Time: 1,061.3		Tach Time: 0.0 LG Cycles:	
Eng#	Type	S/N	Time	Prop Type	Prop S/N
1	TSIO-520-NB	276704-H	4,469.3	3AF32C515	980261
2	TSIO-520-NB	278308-R	1,943.6	3AF32C515	980308

## Aircraft Comments:

Engines TSMOH:349.6  
Propellers TSPOH: 907.8  
IFR Certification next due: 9/30/2010  
ELT Battery Due Next: 1/31/2009

## Discrepancy: 1

## Problem:

9/25/2008

Completed the Annual Inspection IAW the service manual and check list. AD's were checked per Adlog system. EIT inspections per FAR 91.207(d), battery is due 1/31/2009. Checked the lights, replaced the tail beacon lamps and the tail nav lamp. Replaced the battery with a new Gill G-246 S/N: G02343456. Replaced the pilot side pitot tube due to a leak, system was tested and found to be tight. Tested the wing de-ice and the static and pitot heaters. Tested the cabin heater operation. Heater Hobbs: 2249.3 hr. Inspected the fuel regulator per AD2004-25-16 R1. Completed the fuel float valve tests per AD95-09-13 and replaced 3 cover seals. Due next at 1661.3 Hobbs time. Gear was greased and retraction checked, serviced the struts to correct pressures and serviced the tires. Serviced the wheel bearings and cleaned the brakes. Checked the controls and lubed. Cleaned the aircraft.

Left Propeller S/N:980308 TSPOH:907.8 hr Dressed blades, inspected the spinner and bulkheads, repaired the de-ice wires. Right Propeller S/N:980261 TSPOH:907.8 hrs Dressed blades, inspected the bulkheads and spinner, repaired and tested the de-ice.

Left Engine S/N:276704-L TSMOH:349.6

Completed the engine oil and filter change, filter cut and wear check sent in. Serviced with Phillips 20/50 XC oil. Cleaned the engine down. Compressions were 1-76, 2-72, 3-69, 4-62, 5-78, 6-74/80. Magnetos were adjusted to 21 degrees, replaced the left mag gasket due to leaking. Cleaned the fuel screens and leak checked the lines and hoses. Serviced the air filter. Serviced the spark plugs and rotated. Completed the Exhaust system inspections and pressure test per AD2000-01-16. Engine was test ran.

Right Engine S/N:278308-R TSMOH:349.6

Completed the engine oil and filter change, filter cut and wear check sent in. Serviced with Phillips 20/50 XC oil. Cleaned the engine down. Compressions were 1-73, 2-79, 3-71, 4-78, 5-75, 6-78/80. Magnetos were adjusted to 21 degrees. Serviced the spark plugs and rotated. Serviced the fuel screens, leak tested fluid lines and hoses. Serviced the air filter. Completed the Exhaust system inspections and pressure test per AD2000-01-16. Engine was test ran.

I certify this Aircraft, Engines and Propellers were inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Brian J. Eklund IA370744080



9/05/08

WO#006271

N414LA

Cessna 414A SN-414A0077



Meyers Avionics Inc  
20311 Airport Road  
Defiance OH 43512  
CRS# OF5R091N

The ATC Transponder tests and inspections required by FAR 91.413 have been performed this date and found to comply with FAR 43, Appendix F. Reference Phase Inspection #12.

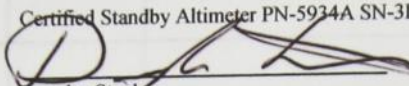
Mfg King Model KT76A SN 117285

The Altitude Reporting system tests required by FAR 91.217 was performed in accordance with Appendix I of AC43-6A.

The Static System tests and inspections required by FAR 91.411A were performed this date and found to comply with FAR 43, Appendix E.

Certified Pilot Altimeter PN-42540-6128 SN-117230 in accordance with FAR 43, Appendix E,(b).

Certified Standby Altimeter PN-5934A SN-3D178 in accordance with FAR 43, Appendix E,(b).

  
Douglas Stuckey

### Suburban Aviation, Inc.

4383 Section Road  
Ottawa Lake MI 49267  
(734)856-6103  
www.suburbanaviation.com

Work Order: 11004

Department: SHOP

Sold To: Rimach Inc.  
326 Patillo Rd  
Tecumseh, ON N8N2L9 Canada

Aircraft Number:		N414LA	Type:CESSNA 414A			S/N: 414A0077				
Total Time:		7,481.3	Hobbs Time:		1,061.3	Tach Time:		0.0	LG Cycles:	
Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N		Prop Time		
1	TSIO-520-NB	276704-H	4,469.3		3AF32C515	980261		1,949.6		
2	TSIO-520-NB	278308-R	1,943.6		3AF32C515	980308		1,949.6		
<u>Aircraft Comments:</u>										
Engines TSMOH:349.6										
Propellers TSPOH: 907.8										
IFR Certification next due:9/30/2010										
ELT Battery Due Next: 1/31/2009										

### Discrepancy: 1

**Problem:**  
9/25/2008

Completed the Annual Inspection IAW the service manual and check list. AD's were checked per Adlog system. Elt inspections per FAR 91.207(d), battery is due 1/31/2009. Checked the lights, replaced the tail beacon lamps and the tail nav lamp. Replaced the battery with a new Gill G-246 S/N: G02343456. Replaced the pilot side pitot tube due to a leak, system was tested and found to be tight. Tested the wing de-ice and the static and pitot heaters. Tested the cabin heater operation, Heater Hobbs: 2249.3 hr. Inspected the fuel regulator per AD2004-25-16 R1. Completed the fuel float valve tests per AD95-09-13 and replaced 3 cover seals. Due next at 1661.3 Hobbs time. Gear was greased and retraction checked, serviced the struts to correct pressures and serviced the tires. Serviced the wheel bearings and cleaned the brakes. Checked the controls and lubed. Cleaned the aircraft.

Left Propeller S/N:980308 TSPOH:907.8 hr Dressed blades, inspected the spinner and bulkheads, repaired the de-ice wires. Right Propeller S/N:980261 TSPOH:907.8 hrs Dressed blades, inspected the bulkheads and spinner, repaired and tested the de-ice.

Left Engine S/N:276704-L TSMOH:349.6

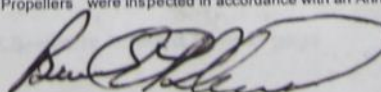
Completed the engine oil and filter change, filter cut and wear check sent in. Serviced with Phillips 20/50 XC oil. Cleaned the engine down. Compressions were 1-76, 2-72, 3-69, 4-62, 5-78, 6-74/80. Magnetos were adjusted to 21 degrees, replaced the left mag gasket due to leaking. Cleaned the fuel screens and leak checked the lines and hoses. Serviced the air filter. Serviced the spark plugs and rotated. Completed the Exhaust system inspections and pressure test per AD2000-01-16. Engine was test ran.

Right Engine S/N:278308-R TSMOH:349.6

Completed the engine oil and filter change, filter cut and wear check sent in. Serviced with Phillips 20/50 XC oil. Cleaned the engine down. Compressions were 1-73, 2-79, 3-71, 4-78, 5-75, 6-78/80. Magnetos were adjusted to 21 degrees. Serviced the spark plugs and rotated. Serviced the fuel screens, leak tested fluid lines and hoses. Serviced the air filter. Completed the Exhaust system inspections and pressure test per AD2000-01-16. Engine was test ran.

I certify this Aircraft, Engines and Propellers were inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.

Brian J. Eklund IA370744080





DATE	TOTAL TIME IN SERVICE	TOTAL TIME OVER	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK																																				
			<b>Suburban Aviation, Inc.</b> 4383 Section Road Ottawa Lake MI 49267 (734)856-6103 www.suburbanaviation.com																																				
			Work Order: 11158 Department: SHOP																																				
			Sold To: Rimach Inc. 326 Patillo Rd Tecumseh, ON N8N2L9 Canada																																				
			<table border="1"> <thead> <tr> <th>Aircraft Number:</th> <th>N414LA</th> <th>Type:</th> <th>CESSNA 414A</th> <th>S/N:</th> <th>414A0077</th> </tr> </thead> <tbody> <tr> <td>Total Time:</td> <td>7,502.3</td> <td>Hobbs Time:</td> <td>1,082.3</td> <td>Tach Time:</td> <td>0.0 LG Cycles:</td> </tr> <tr> <td>Eng#</td> <td>Type</td> <td>S/N</td> <td>Time</td> <td>Cycles</td> <td>Prop Type</td> <td>Prop S/N</td> <td>Prop Time</td> </tr> <tr> <td>1</td> <td>TSIO-520-NB</td> <td>276704-H</td> <td>4,490.3</td> <td></td> <td>3AF32C515</td> <td>980261</td> <td>1,970.6</td> </tr> <tr> <td>2</td> <td>TSIO-520-NB</td> <td>278308-R</td> <td>1,964.6</td> <td></td> <td>3AF32C515</td> <td>980306</td> <td>1,970.6</td> </tr> </tbody> </table>	Aircraft Number:	N414LA	Type:	CESSNA 414A	S/N:	414A0077	Total Time:	7,502.3	Hobbs Time:	1,082.3	Tach Time:	0.0 LG Cycles:	Eng#	Type	S/N	Time	Cycles	Prop Type	Prop S/N	Prop Time	1	TSIO-520-NB	276704-H	4,490.3		3AF32C515	980261	1,970.6	2	TSIO-520-NB	278308-R	1,964.6		3AF32C515	980306	1,970.6
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			Discrepancy: 1 Problem: 11/26/2008 1. Replaced the left vacuum pump with new AA442CW S/N N30459. 2. Replaced one vacuum hose clamp. 3. Serviced the right strut with nitrogen. 4. Trouble shot the prop heat and found a broken wire, repaired and tested system. 5. Freed the right landing light and lubed the gear. Brian J. Eklund IA370744080																																				



P.O. Box 555 Courtland, AL 35618  
 Phone (256) 637-0901 Fax (256) 637-0904  
 www.tvacenter.com

**August 27, 2009**

**N414LA, C-414A, S/N 414-A0077, Hobbs 1087.8, TTAF 7507.8**

Complied with AD 2005-12-13, by installation of Cessna Service kit SK402-47B. NDT was accomplished by The Hanger Inc, POB 1920 Southaven, MS 38671, a copy of test results can be found in aircraft records.

Weight and Balance was revised. in accordance with service kit instructions. All associated hoses were reinstalled and aircraft was test ran to normal operating temperature. No leaks or abnormalities were noted. Indications were within normal limits.

Inner de-ice boots are removed and tubes have been plugged.  
 Form 337 has been filed.

*Jeffrey L. McGuire*

Jeffrey L. McGuire  
 A&P 2861165 IA

Sub-TOTALS SEE PAGE

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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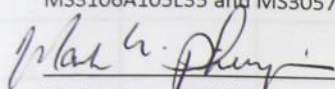
Flight 1 Aviation Maintenance LLC

Date: January 13, 2010

Hobbs: 1099.0

Registration: N414LA

Stripped paint from LH and RH inboard leading edges – alodined exposed aluminum. Fitted new FAA/PMA SMR pneumatic deicer boots – P/Ns SMR5070-07 and SMR5070-08 - see 8130-3. Installed boots and applied sealant per SMR installation guide. Removed and replaced worn LH main tire with new Goodyear Flight Custom III 6.50 x 10 tire. LH fuel panel leaking – drained fuel from LH tank, removed leaking panel. Cleaned panel and wing surface. Sealed with Proseal B1/2. Reinstalled panel. Refueled wing – no leaks noted. Reconnected cannon plug for RH fuel gauge. Ops check good. Installed new o-ring P/N MS29513-237 on fuel strainer, torqued and safety. Leak check good. Replaced defective cannon plug and adapter on RH tach generator/indicator with new – P/Ns MS3106A105L35 and MS3057-4A – ops check good. This airframe has been returned to service for the maintenance performed.



Mark McDonald Phillips

3371313 A&amp;P

Flight 1 Aviation Maintenance LLC

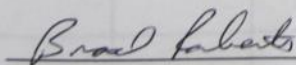
Date: February 18, 2010

Hobbs: 1100.9

Registration: N414LA

AFTT: 7520.9

Jacked aircraft. Cleaned and repacked wheel bearings. Replaced instrument filter with new – P/N AM103535IA. Replaced leaking RH wing rubber connecting hose at boost pump. Defueled RH wing. Resealed leaking fuel panels. Fueled aircraft and leak check performed satisfactory. Replaced inop LH de-ice light with new – P/N GE1385. Replaced inop fwd beacon bulb with new – P/N 7079B-24. Removed hydrogen blow down bottle and oxygen bottle for hydro test by James Oxygen and reinstalled after testing. Removed pistons and o-rings from LH MLG brake caliper and installed new o-rings – P/N MS28775-132 in caliper and reinstalled pistons. Rebuilt LH master cylinder P/Ns 095-02600 and MS28775-113. Bled LH brake. Removed and replaced LH and RH hydraulic filters – P/N AN6235-2A and o-rings P/N MS28775-222. Installed fuel quantity placards on LH and RH wing fuel filler ports. Replaced missing clamp on fire extinguisher holder. Removed RH vent window seal and installed new seal – P/N 5111141-4. C/W AD 84-26-02 by installing new air filters – P/N P12-8156 Rev 4 – inspection due every 100 hours and replacement due every 500 hours or on condition. C/W AD 2004-21-05 by inspection and pressure decay test at 1218.6 heater hours – due every 100 heater hours or 24 months whichever occurs first. C/W AD 2004-25-16 R1 by visual inspection – due every 100 airframe hours TIS or annual whichever occurs first. C/W AD 2000-01-16 inspection of exhaust system by visual inspection per para (b) – due every 50 hours or 30 days; para (c) by visual inspection – due every 12 months and para (e) by inspection and pressure test – due every 12 months. This airframe has been returned to service at this time for the maintenance performed.



Brad Roberts

2695590 A&amp;P

TOTALS—Carry forward to next page

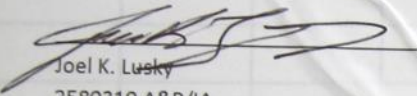


DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page

Flight 1 Aviation Maintenance LLC

Date: February 18, 2010  
Hobbs: 1100.9Registration: N414LA  
AFTT: 7520.9

Inspected aircraft IAW FAR 43 Appendix D annual inspection. Performed 6 fault free extension and retraction tests. Performed emergency extension test. Installed new ELT battery pack – P/N BS2173. Inspected ELT IAW FAR 91.207(d). Checked good. Battery due replacement March 2012. Lubricated all controls, cables and pulleys. I certify this aircraft has been inspected IAW FAR 43 Appendix D annual inspection and has been returned to service at this time.

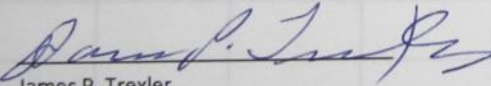
  
Joel K. Lusky  
2580319 A&P/IA

Flight 1 Aviation Maintenance LLC

Date: March 1, 2010  
Hobbs: 1110.7

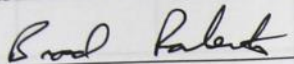
Registration: N414LA

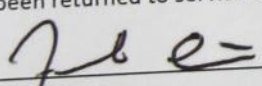
Inspected fuselage and associated pressure system components for leaks. Adjusted pilot and co-pilot vent windows. Replaced two rudder cable cabin seals – P/N S11K4R. Removed broken outflow valve – S/N 38-872 and installed exchanged repaired unit – P/N 103576-17, S/N 111-2154 – unit repaired by Cabin Air Systems under w/o #2309 – see 8130-3. Removed and replaced heater to plenum duct – P/N CM3211-18A4.2. Re-inspected to verify no leaks in affected areas. This airframe has been returned to service at this time for the maintenance performed.

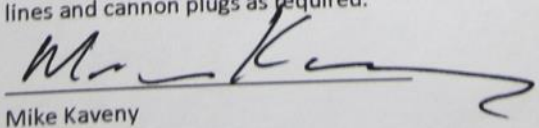
  
James P. Trexler  
266941553 A&P


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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
				<b>TOTALS</b> brought forward from previous page
				Flight 1 Aviation Maintenance LLC
				Registration: N414LA
Date: May 7, 2010				
Hobbs: 1138.3				
Removed and replaced worn RH main tire with new Goodyear Flight Custom III 6.50 x 10 tire. Removed broken de-ice strap on windscreen and installed new strap – P/N 5118552-17. This airframe has been returned to service for the maintenance performed.				
 Brad Roberts 2695590 A&P				

				Flight 1 Aviation Maintenance LLC
				Registration: N414LA
Date: July 7, 2010				
Hobbs: 1164.5				
Removed inop landin light. Installed overhauled exchange light – P/N 45-0148-4, X/N 61998 – ops check good. This airframe has been returned to service for the maintenance performed.				
 Fernando Contreras 3043074 A&P				

				Flight 1 Aviation Maintenance LLC
				Registration: N414LA
Date: July 15, 2010				
Hobbs: 1168				
Removed inop co-pilot HSI – P/N 520137-1332, S/N 1-11779C. Plugged lines and clamped. Secured lines and cannon plugs as required.				
 Mike Kaveny 3085524 A&P				
				<b>SUB-TOTALS</b> this page
				<b>TOTALS</b> —Carry forward to next page





DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTALS</b> brought forward from previous page Flight 1 Aviation Maintenance LLC				
Date: March 16, 2011				Registration: 414LA
Hobbs: 1164.5				ACTT: 7584.5
<p>Open access panels on aircraft. Inspect and lube flight controls, cables, pulleys, bell crank, and hinges. Check for correct movement of flight controls. Jack aircraft, remove wheels and clean and inspect wheel bearings. Replace R/H wheel bearings P/N LM 29749-20629, 07100-20629 and races P/N LM 29710-2629, 07196. Replace 2 nose wheel bearings P/N LM29749-20629 and races P/N LM29710-2-629. Inspect brakes for wear and leaks. Replace both brake rotors P/N APS164-06406 replace all brake linings P/N APS 66-06600 replace both brake shims P/N 068-03100. Inspect gear for signs of wear and leaks. Grease gear as needed. Perform gear retraction check and emergency extension satisfactory. Service hydraulic reservoir with 5606 hydraulic fluid. Service brake hydraulic system as needed. Perform lighting and electrical check of aircraft. Repaired wiring for navigation lights for L/H and R/H wing tip. Service battery as needed. Replace 2 instrument filters with P/N ARB-3-5-1. Cleaned both fuel strainers as needed. Repaired and re rigged L/H alternate air cable as needed verified proper operation. Replace L/H and R/H propeller de ice brushes P/N B40012. Repaired wiring for brushes on both L/H and R/H props. Replaced 2 defective leads P/N C165013-0602 on L/H prop. Replace 1 propeller de ice boot on L/H prop P/N B-40183-03 ops check prop de ice system ops check satisfactory. Inspect ELT IAW FAR part 91.207(d). Battery expiration date Mar. 2012. C/W AD 2004-25-16R1 by visual inspection of heater fuel regulator shutoff valve. C/W AD 2000-01-16 by visual inspection of exhaust system par. B C D and E. All work was done IAW Cessna maintenance manual and current FARs.</p>				
<p><i>Harold Gray</i>            Harold Gray            3498855 A&amp;P</p>				
Flight 1 Aviation Maintenance LLC				
Date: March 16, 2011				Registration: N414LA
Hobbs: 1164.5				ACTT: 7584.5
<p>This airframe has been inspected IAW with FAR part 43 app. D. as an annual inspection and was found to be in an airworthy condition at this time. All pertinent ADs were researched through ATP.</p>				
<p><i>Brad Roberts</i>            Brad Roberts            2695590 IA</p>				

## Flight 1 Aviation Maintenance LLC

Date: October 1, 2011

Registration: N414LA

Hobbs: 1225.9

Remove Battery from aircraft, service new battery p/n G-246 w/ acid, charge, install new battery in aircraft. Service tires w/ nitrogen to proper psi. this aircraft returned to service for work performed this date.

*Harold Gray*  
 Harold Gray  
 3498855 A&P

TOTALS brought forward from previous page

TOTALS carry forward to next page



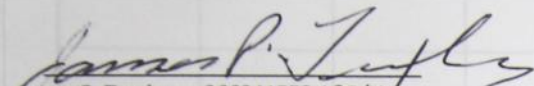
## Flight 1 Aviation Maintenance LLC

Date: November 3, 2011

Registration: N414LA

Hobbs: 1235.6

Ops chk LH landing light, repair connection, adjust travel as needed for proper fitment. Ops check satisfactory. This aircraft returned to service for work performed this date.

  
James P. Trexler 266941553 A&P/IA

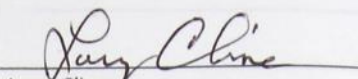
## Flight 1 Aviation Maintenance LLC

Date: February 16, 2012

Registration: N414LA

Hobbs: 1261.9

Troubleshoot prop deice system, repair broken grnd terminal #3 blade RH prop. Reposition and insulate #1 blade terminals LH prop. R&R prop deice ammeter p/n C662503-0101RX, secure all wiring and connections, perform function check, satisfactory. Adjust co-pilot vent window as needed. This Airframe returned to service for work performed this date.

  
Larry Cline  
244769401 A&P

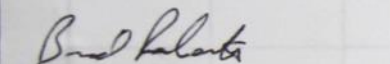
## Flight 1 Aviation Maintenance LLC

Date: February 16, 2012

Registration: N414LA

Hobbs: 1266.6

Remove damaged sheet metal on LH flap, clean corrosion from area, fabricate patch panel from T2024 .020" alodine and prime, install patch panel w/ cherry max rivets. This repair was done IAW AC 43013-1B section 4-59 metal repair procedures. Replace broken wires on nose gear taxi lt, ops check satisfactory. This Airframe returned to service for work performed this date.

  
Brad Roberts  
2695590 A&P

## Flight 1 Aviation Maintenance LLC

Date: April 19, 2012

Hobbs: 1271.8

Registration: 414LA

ACTT: 7691.8

Service battery as needed. Replace 2 vacuum filters with P/N ARB-3-5-1. Cleaned both fuel strainers as needed. Replace air cond hyd filter w/ new p/n AN 6235-3A and o rings. Replace 2 ac hydraulic system filters w/new p/n AN 6235-2A and o rings. Remove nose gear shimmy dampner, disassemble, clean and reassemble w/ new o rings, service w/ fluid, reinstall, torque and safety. R&R LH inboard deice actuating valve 90° hard line p/n 5100112-16, torque and secure. R&R RH deice actuating valve hard lines p/n 5100112-16 and 5100112-18, replace mil60005/8 hose, torque and safety. Replace bolt p/n AN4-12 in forward elevator control rod clevis, torque and safety as required. Replace "working" and missing rivets as needed OB of LH main LG door. R&R LH main landing gear actuator attachment bolt p/n 5741159-4 and 2 bushings p/n NAS75-12-006, torque and safety. R&R LH main landing gear strut Schrader valve assy p/n AN6287-1, service and charge w/ nitrogen as needed. Clean and treat w/ corrosion X exhaust corrosion inboard and outboard flap area both sides. Replace emergency exit seal p/n R581559 and secure. Install new bolts in nose gear down lock p/n NAS464P5-18 and AN5-16, torque and safety. Replace "working" and missing rivets as needed OB of RH main LG door. R&R RH brake caliper w/ new p/n 061-05400 w/new o rings, torque and safety. R&R LH brake caliper w/ new p/n 061-05400 w/new o rings, torque and safety. Bleed brakes and service w/5606 as needed. CW AD 2004-21-05 by replacement of combustion air pressure switch w/ new p/n 94E42-38/ ref pare (3), secure and safety as required, function check satisfactory. All work was performed IAW Cessna maintenance manual and current FARs.

  
Larry Cline

244769401 A&amp;P



Flight 1 Aviation Maintenance LLC

Date: April 19, 2012

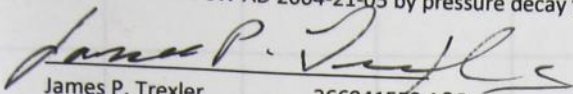
Hobbs: 1271.8

ACTT: 7691.8

Registration: 414LA

Heater Hobbs: 2301.6

Remove RH alternator for repairs (see 8130-3 dated 3/30/12), ground run and leak check satisfactory. Replace prop de ice brush block on RH prop w/ new p/n RAB 40012, adjust clearance and safety. Service aviators breathing oxygen as needed. C/W AD 2004-25-16R1 by visual inspection of heater fuel regulator shutoff valve, next due 100hrs/annual. C/W AD 2000-01-16 by removal of exhaust shields, visual inspection and pressure test of RH and LH exhaust system, no abnormalities noted, section par. B, C and E of compliance table complied with, par b next due 50hrs/annual, par C and E 12months/annual. CW AD 84-26-02 by installation of 2 new induction air filters p/n P128156 Replace LH wing fuel sump valve w/ new p/n 79C1 and o ring p/n MS 29513-020. C/W AD 2004-25-16R1 IAW par E1, no signs of leakage detected, next due 100hrs/annual. CW AD 2004-21-05 by pressure decay test IAW par 3.3.10 Janitrol maint manual, no leaks detected.

  
James P. Trexler 266941553 A&P

Flight 1 Aviation Maintenance LLC

Date: April 19, 2012

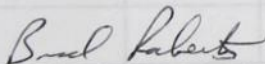
Hobbs: 1271.8

ACTT: 7691.8

Registration: 414LA

Heater Hobbs: 2301.6

Open access panels on aircraft. Inspect and lube flight controls, cables, pulleys, bell crank, and hinges. Check for correct movement of flight controls. Jack aircraft, remove wheels and clean and inspect wheel bearings. Inspect gear for signs of wear and leaks. Grease gear as needed. Perform gear retraction check and emergency extension satisfactory. Service hydraulic reservoir with 5606 hydraulic fluid. Service brake hydraulic system as needed. Perform lighting and electrical check of aircraft. Inspect ELT IAW FAR part 91.207(d), replace ELT battery p/n BS2173. Battery expiration date April 2014. All work was done IAW Cessna maintenance manual and current FARs. This airframe has been inspected IAW FAR Part 43 App. D as an Annual Inspection. Airframe was found to be in an airworthy condition at this time. All pertinent ADs were researched through Triton this date.



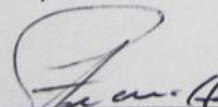
Brad Roberts

2695590 IA

Reg: N414LA  
S/N: A0077

Mod: C-414A  
Hobbs: 1292.7

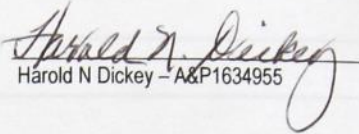
Replaced R/H Inbd. Fuel tank sump drain with new Cessna P/N 50C9C.

  
Stephen M. Howard  
AP 523642820 IA

07./05/2012

TOTALS—Carry forward to next page



DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<b>TOTALS</b> brought forward from previous page
<b><u>MIDSOUTHJET CORPORATION</u></b> 536 Airport Road Greenwood Mississippi 38930 662-392-2844  <b><u>Cessna 414A, s/n 0077, N414LA.</u></b> 10/04/2012. Hobbs: 1334.0. Installed new Goodyear Flight Custom III, 6.50X10-8 Ply tires and new tubes on L - R MLG. Installed new RA66-66 brake linings. Cleaned, inspected and repacked wheel bearings. Adjusted toe-in on both MLG. Serviced MLG struts with nitrogen as required. N414LA-12-A1. As pertains to work performed, this aircraft has been inspected, found to be in an airworthy condition and is approved for return to service.  <div style="text-align: right;">             Harold N Dickey - A&amp;P1634955         </div>				

**MIDSOUTHJET CORPORATION**

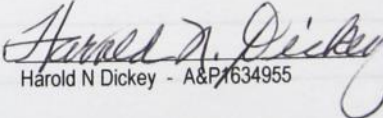
536 Airport Road  
 Greenwood Mississippi 38930  
 662-392-2844

**Cessna 414A, s/n 414A-0077, N414LA.**

10/16/2012. Aircraft weighed in accordance with Cessna Weight & Balance Data Form 1556-1, 414A. Weight & Balance Data is as follows:

Maximum T.O. Weight	7105 (STC SA8728SW)
Aircraft Empty Weight	5120.6
E.W.C.G.	+154.92 Inches Aft OF Datum
New Moment	793290.50
New Useful Load	1984.4 Lbs

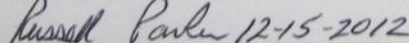
It is the Owner's/Pilot's responsibility to insure the aircraft is properly loaded. See Weight & Balance Computations attached to aircraft logs. N414LA-12-A2.

  
 Harold N Dickey - A&P1634955

BEVAN-RABELL, INC. 1880 S AIRPORT ROAD WICHITA, KS 67209 CRS KG2R951K  
 LOG ID# 5461 15-December-2012 WO# 52444 HOBBS 1398.9  
 N414LA S/N 414A0077 CESSNA 414A

Pg 1 / 1

SWAPPED MUSIC 1 AND 2 INPUTS TO AUDIO PANEL, OPS NORMAL.  
 INSTALLED SHRINK WRAP ON 2 WIRES ON R/H PROP, DE-ICE OPS NORMAL.  
 INSTALLED JP INSTRUMENTS FS450 FUEL FLOW, INSTALLATION DONE IN ACCORDANCE WITH JP INSTRUMENTS STC SA008615E, INSTALLATION MANUAL FS-450, REPORT NO. 400. REV. A DATED 6/15/2009. INSTRUMENT WAS PARALLELED TO EXISTING FUEL FLOW TRANSDUCERS. A COPY OF JP INSTRUMENTS FLIGHT MANUAL SUPPLEMENT NO. 1 HAS BEEN INCLUDED IN THE POH. NEGLIGIBLE CHANGE TO WEIGHT AND BALANCE.  
 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.

  
 RUSSELL PARKER Date

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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
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Total Air Group CRS 21TD987Y

## Transponder and Altimeter Certification



Total Air Group CRS 21TD987Y

## Transponder and Altimeter Certification

Left Alt PN: GDU-620	Right Alt PN: 42540-6128	Transponder #1
SN: 165001252	SN: 3104	PN: GTX-330
Tested to: 35,000 FT.	Tested to: 35,000 FT.	SN: 84134669
Air Data Computer or Encoder	Mode S: Yes	Transponder #2
PN: GDC-74A	PN: NA	PN: KT-76A
SN: 20607321	SN: NA	SN: 117230
Tested to: 35,000 FT.	Tested to: NA	

The Altimeters, Altitude Reporting, and Pitot/Static system test required by FAR 91.411 have been performed this date and found to comply with FAR 43 Appendix E.

The ATC Transponder test and inspections as required by FAR 91.413 were performed on this date and found to comply with FAR 43 Appendix F and paragraph C of Appendix E.

## Maintenance Release

The work identified here was performed and inspected in accordance with current Federal Aviation Regulations and was found to be airworthy for return to service.

Signature:

Employee #: 009

Date: 4-3-2013

Left Alt. Correction Factor				Right Alt Correction Factor			
0	0	14000	-30	0	-10	14000	0
500	-20	16000	-30	500	-10	16000	-20
1000	-20	18000	-30	1000	-20	18000	-20
1500	-20	20000	-30	1500	-20	20000	-40
2000	-20	22000	-30	2000	-20	22000	-40
3000	-20	25000	-30	3000	-30	25000	-80
4000	-20	30000	-40	4000	-40	30000	-80
6000	-20	35000	-60	6000	-40	35000	-120
8000	-20	40000		8000	-20	40000	
10000	-20	45000		10000	-10	45000	
12000	-20	50000		12000	0	50000	
Tail #: N414LA				Hobbs:			
Work Order: UTA2446							



Total Air Group, LLC  
2456 Winchester Road  
Memphis, TN 38116  
901-396-9707  
CRS 21TR987Y

## Standby Altimeter

Part #: 5934A

Serial #: 3D178

Tested to: 35,000 FT.

N414LA

0	0	14000	0
500	+10	16000	0
1000	+20	18000	0
1500	+20	20000	0
2000	+20	22000	+10
3000	+20	25000	+30
4000	+20	30000	-20
6000	+20	35000	0
8000	+40	40000	
10000	+20	45000	
12000	+20	50000	

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**MIDSOUTHJET CORPORATION**

536 Airport Road  
Greenwood Mississippi 38930  
662-392-2844

**Cessna 414A, s/n 414A-0077, N414LA.**

5/21/2013. Hobbs: 1462.3. ACTT: 7882.3. Heater Hobbs: 2358.3. Aircraft inspection completed using Inspection Forms, Cessna 414A Service Manual. ELT inspection/operational check completed as required by FAR 91.207(d). ELT battery expires: 4/2014. Repaired broken ground wire, RH nav light circuit. Installed new nav light lamp. Serviced oxygen system. Replaced defective deice pressure switch. Replaced vacuum system garter filters. Serviced hydraulic reservoir with 5606 fluid. **Replaced both hydraulic systems filters.** Replaced defective CHT probe, left engine. R & R pilot side #2 horizon for overhaul. (See FAA Form 8130-3, dated 5/16/2013, Kelley Instruments, FAA CRS OP2R065L. Dual tachometer was repaired by Rudy Aircraft Instruments, FAA CRS RIZR316K. See FAA Form 8130-1, dated 5/13/2013. R & R autopilot computer amplifier, CA 550A/FD, control unit, C-531A, and mode selector, S-550A for repair and inspection by Bevan-Rabell, ICT, FAA CRS KG2R951K. See FAA Forms 8130-3, dated 5/16/2013. Performed landing gear retraction/extension in normal and emergency modes. Reserviced nitrogen bottle. Replaced both bearings and races in nose wheel. C/W **AD 98-04-28**, by installation of AFM Supplement. C/W **AD 98-24-14**, inspection of exhaust system (both engines) for leaks. C/W **AD 2000-01-16**, Par. (a)(3), (b), (c), (d) and (e), inspection of both engine exhaust systems. Heater inspection per **AD 2004-21-05**, next due @ Htr Hobbs: 2401.6 or 4/2014. C/W **AD 2004-25-16**, R1, 6/2005, Par. (e), (1) & (2), inspection of heater fuel shutoff valve for leaks. **See Airworthiness Directive Compliance Record** for history, current status and due times of recurring AD's. Completed all other items of inspection and routine maintenance as required. N414LA-13-A1.

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

*Harold N. Dickey*  
Harold N Dickey - A&P1634955 IA

**MIDSOUTHJET CORPORATION**

536 Airport Road  
Greenwood Mississippi 38930  
662-392-2844

**Cessna 414A, s/n 414A-0077, N414LA.**

6/06/2013. Hobbs: 1477.5. ACTT: 7897.5. Replaced dual EGT, ALCHOR PN 46158, s/n 264876, instrument with an overhauled unit. Replaced o-rings on pistons, and four (4) linings on right brake caliper. Brake system serviced and bleed. N414LA-13-A2.

*Harold N. Dickey*  
Harold N Dickey - A&P1634955

**MIDSOUTHJET CORPORATION**

536 Airport Road  
Greenwood Mississippi 38930  
662-392-2844

**Cessna 414A, s/n 414A-0077, N414LA.**

10/10/2013. Hobbs: 1513.5. ACTT: 7933.5. Cleaned connection on LH engine fuel transducer. Operation restored to normal. Replaced worm gear, PN A6582 and limit switch PN 1SM3 on LH landing light assembly. Operation restored to normal. As pertains to work performed, this **Aircraft** has been inspected and found to be in an airworthy condition. N414LA-13-A3.

*Harold N. Dickey*  
Harold N Dickey - A&P1634955

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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

# **CARPENTER** **AVIONICS, INC.**

## **Maintenance Entry**

November 14, 2013    N414LA    Cessna 414A    S/N 414A0077

Repaired a broken PTT wire on the yoke. Function tested satisfactory. The work described above has been inspected and found airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order #0H715.

11/14/2013

Date

Signed for Carpenter Avionics, Inc. Repair Station RH4R492M

## **MIDSOUTHJET CORPORATION**

536 Airport Road  
Greenwood Mississippi 38930  
662-392-2844

### Cessna 414A, s/n 414A-0077, N414LA.

12/13/2013. Hobbs: Replaced taxi light bulb, 4596. Cleaned and repaired loose connections on left fuel flow transducer. Serviced oxygen. Repaired chaffed wire on left prop heat. Operational check of systems repaired was performed and found to be normal. N414LA-13-A4.

As pertains to work performed, this Aircraft has been inspected, found to be in an airworthy condition and is approved for return to service.

*Harold N. Dickey*  
Harold N Dickey - A&P 1634955

2456 Winchester Rd Hgr 14  
Memphis, Tennessee 38116

## **Total Air Group**

CRS #: 21TR987Y

901-396-9707

901-396-9708 Fax

## **Airworthiness Release**

N: N414LA    S/N: 414A0077    W/O: MEM-4443    Hobbs: 1,587.30    TT: 1,587.30    Cycles: N/A

COMPLIED WITH GARMIN SERVICE BULLETIN 1368 REV. B BY LOADING GDU620 SOFTWARE VERSION 6.21, GAD43 SOFTWARE VERSION 2.01 & GDC74 SOFTWARE VERSION 3.09. UPDATED POH, OK FOR SERVICE.

The work identified above under the w/o number was performed and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.

AMT:

*Harold N. Dickey*

Date:

7-10-14

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2456 Winchester Rd Hgr 14  
Memphis, Tennessee 38116

## Total Air Group

CRS #: 21TR987Y

901-396-9707  
901-396-9708 Fax

PERFORMED—  
PERSON PERFORMING WORK

### Airworthiness Release

N: N414LA S/N: 414A0077 W/O: MEM4332  
Hobbs: 1,587.30 TT: 1,587.30 Cycles: N/A

INSTALLED NEW LEFT WINDSHIELD ASSEMBLY, P/N ON: 152600-009 S/N: 1233. INSTALLED NEW GROMMETS, P/N: 5111602-16 (70 EACH) AND NEW HARDWARE. GROUND RUN AIRCRAFT AND PRESSURIZATION OPERATION CHECKED GOOD & WINDSHIELD HEAT CHECK SATISFACTORY AT THIS TIME. WORK PERFORMED IAW CESSNA 414A SECTION 3.-----END-----

The work identified above under the w/o number was performed and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service.

AMP: 

Date: 7/21/14

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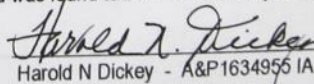
### MIDSOUTHJET CORPORATION

536 Airport Road  
Greenwood Mississippi 38930  
662-392-2844

#### Cessna 414A, s/n 414A-0077, N414LA.

7/21/2014. Hobbs: 1587.3. ACTT: 8007.3 Heater Hobbs: 2388.3. Aircraft Inspection completed using Inspection Forms, Cessna 414A Service Manual. C/W ELT inspection/operational check required by FAR 91.207(d). Installed new ELT battery with expiration date: 8/2016. Serviced oxygen system. R&R'd autopilot computer and control head after inspection/repair by Bevan-Rabel (ICT), WO's 56057-1 & 56057-2. Installed new Amerex Halon 1211 Cabin Portable Fire Extinguisher. Installed new fuel quick drain, rear position left wing. Replaced garter filters both vacuum regulators. Aircraft battery was inspected, serviced and charged. Replaced three belly drains/seals. Installed overhauled outflow valve, PN 103576-17, s/n 29-1171. Resealed wire bundles on forward pressure bulkhead. Fuselage was pressure checked for leaks and was found satisfactory. Replaced LH evaporator, PN HE81202 and overhauled A/C compressor, PN 7088, s/n 4318394270. Air-conditioning system leak checked and serviced with freon as required. Installed new DS107 ball joint on LH cowl flap. Installed new Goodyear Flt Custom III tire on LMLG. C/W AD 2014-03-03, Par (g)(1), copy of AD placed in AFM and maintenance records. C/W AD 2000-01-16, Para. (a)(3), (b), (c), (d) & (e), inspection of both engine exhaust systems. C/W AD 2004-25-16, R1, 6/2005, Par. (e), (1)&(2), inspection of heater fuel shutoff valve. No leaks were found. C/W AD 2004-21-05, heater inspection and pressure decay test. No defects found. C/W AD 95-09-13, 600 hr inspection of Fuel Inlet Float Valves. No faults found. C/W AD 84-26-02, replacement of both induction air filters. See AD Compliance Records for history, current status and due times of recurring AD's. Completed all other items of inspection and routine maintenance as required. N414LA-14-A1.

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

  
Harold N Dickey - A&P1634955 IA

### MIDSOUTHJET CORPORATION

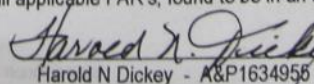
536 Airport Road  
Greenwood Mississippi 38930  
662-392-2844

#### Cessna 414A, s/n 414A-0077, N414LA.

8/12/2014. Hobbs: 1590.9. ACTT: 8010.9.

Aircraft submitted with a major leak around the LH windshield. Prepped aircraft for test flight. Removed instrument panel glareshield and moulding around windshield for access. Test flight accomplished and leaks were located. Leaks were sealed with PRC as required. After sealant cured, aircraft was flown again and no further leaks were detected. Pressurization system was tested and found to operate normally. Reinstalled glareshield and moulding. Installed overhauled AC compressor, PN 7088, s/n 1939512400. Replaced both expansion valves, PN HE81212, nsn. AC system was vacuumed down and no leaks were detected. Serviced system with Freon as required. AC system operation normal. N414LA-14-A2.

As pertains to work performed, this Aircraft has been inspected in accordance with all applicable FAR's, found to be in an airworthy condition and is approved for return to service.

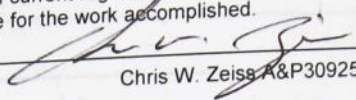
  
Harold N Dickey - A&P1634955



Donald S. Brown

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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
<h1><b>LUBBOCK AERO</b></h1> <p>6304 N. Cedar Ave Lubbock, TX 79403 806-747-5101 Fax: 806-767-8000</p>				
12/8/2015				<p><b>CESSNA 414A S/N 414A0077</b> Aircraft Logbook</p> <p>N414LA</p> <p>Hobbs Hours: 1702.8</p> <p>Removed and replaced Nose landing gear ramp assy. P/N 5742204-2.</p> <p>The above work was completed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work accomplished.</p> <p>Signed  Chris W. Zeiss A&amp;P3092522</p>

**SkyWest Aviation Inc.**

N414LA Cessna 414A

S/N: 414A0077

**November 25, 2015**

Tach: 1692.2

- Replaced Pilot Artificial Horizon with new PN 10-05792
- Replaced O rings on LH engine Fuel nozzles with PNs 630979-9 & 633958-3
- Replaced Door Seal with new PN 9910408-2
- Replaced LH MLG hydraulic line with new PN 5100111-41
- Replaced Fuel pump with overhauled pump PN 632818-11 SN B03AA236R

Paul Armstrong 

AP3154322

**SkyWest Aviation Inc.**

N414LA Cessna 414A

S/N: 414A0077

**December 31, 2015**

Tach: 1702.1

- Replaced LH and RH Oil filters with new PN CH48108-1 and Serviced Engines with Aeroshell W100.
- Complied with AD 2000-01-16 Exhaust Inspection IAW Figure 1 of Docket No. 97-CE-67-AD (b) (c) Amendment 39-11514. No defects found at this time.
- Replaced De-Ice flow Valve with new PN 302352-01

Paul Armstrong 

AP3154322

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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
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SkyWest Aviation Inc.

N414LA Cessna 414A

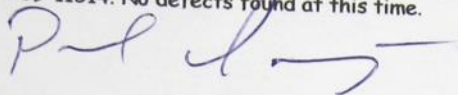
S/N: 414A0077

March 28, 2016

Hobbs: 1714.0

- Replaced Oil Filter CH48108-1 and Serviced engine with Aeroshell W100.
- Removed RH Engine Starter and sent to Aircraft Specialties for Overhaul See PO# 414LA07. Reinstalled Starter on RH Engine upon return from overhaul. No defects found at this time.
- Complied with AD 2000-01-16 Exhaust Inspection IAW Figure 1 of Docket No. 97-CE-67-AD (b) (c) & (e) Amendment 39-11514. No defects found at this time.

Paul Armstrong



AP3154322

SkyWest Aviation Inc.

N414LA Cessna 414A

ACTT: 61431

S/N: 414A0077

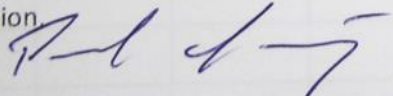
August 9, 2016

Hobbs: 1723.1

- Complied with Annual Inspection IAW FAR 43 appendix D using the Cessna 414A Maintenance Manual.
- Complied with AD 2000-01-16 Exhaust Inspection IAW Figure 1 of Docket No. 97-CE-67-AD (b) (c) & (e) Amendment 39-11514. No defects found at this time. Next Due 1773.1
- Complied with MEB 27-02 - Inspection of elevator trim system.
- Complied with AD 2004-25-16 R1 Fuel Regulator Shutoff Valves- No Defects noted Next Due 1823.1 or 08/01/2016 WCF.
- Complied with FAR 91.207(d) ELT inspection no defects noted.
- Replaced ELT battery with new P/N BP-1020. Next Due 08/01/2018
- Replaced Co-pilot Air Conditioning bezel with new P/N 154G.
- Adjusted right engine idle to proper range per Engine MM.
- Serviced O2 to max allowable pressure per AMM
- Retimed right magneto on right engine per Engine MM
- Replaced fuel selector long rod assemblies with new P/N PS856007-1A
- Applied Conductive edge seal to all de-ice boots with P/N 74-451-K
- Left engine cylinders #2, #4, #6 installed new ring sets, P/N CN110, and seals, P/N AEC520T1S.
- Right engine cylinder #3, installed in ring sets, P/N CN110, and seals, P/N AEC520T1S
- Replaced nose will bearings and races P/N LM29710 and P/N LM29749-20629
- Replaced Left Nav light with new P/N GE 305.
- Vacuum filters replaced with new P/N B3-5-1
- Serviced air conditioning system with 2.7lbs of R12 Freon
- Replaced left blower motor with new P/N JBS27-5
- Replaced missing Vortex Generators with P/N - VG345

I Certify that this Airframe has been inspected IAW an annual inspection and was determined to be in an airworthy condition

Paul Armstrong

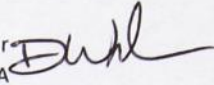


AP3154322

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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
				OmniAero 1933 Valley View Dr. San Angelo, TX
				2/13/2017
				Make: Cessna
				Model: 414A
				S/N: 414A0077
				N414LA
				Hobbs: 1768.4
				AIRFRAME LOG
				1. Replaced main battery with new Concorde RG24-20.
				This aircraft approved for return to service for work performed.
				Dan Webre Jr.  AP3501544IA

DEER HORN AVIATION, LTD.June 8, 2017

N414LA Cessna 414A S/N: 414A-0077

Acft TT: 8223.9 Acft HM: 1803.9

1. Complied with AD 2000-01-16, eff/rev date 2-15-2000, exhaust system inspection IAW figure 1 (b). Next Due in--50 hrs TIS or 30 days whichever is later.
2. Changed oil and oil filters. Serviced each engine with 12 quarts Aeroshell W100 and a CH48108-1 oil filter. Engines were ground ran and leak checked with all indications normal.
3. Repaired wiring at LT wind ice light
4. Performed pressurization ground check to check cabin for air leaks.

This aircraft is approved for return to service for the work performed. Pertinent details of the work accomplished on this aircraft are on file at this agency under work order number M414LA02.

Jared L. Anderson 

AP3159154

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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
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**DEER HORN AVIATION, LTD.****N411LA Cessna 414A S/N: 414A-0077****October 18, 2017****Acft HM: 1817.7 ACFT TT: 8237.7**

1. Complied with an annual inspection IAW FAR 43 appendix D and referencing the Cessna service manual 414/414A inspection - Time Limits guide (change 29).
2. Complied with AD 2017-10-09, eff. Date: 6-7-17, Inspect Nacelle fittings IAW Cessna MEL-54-02-R2, Inspected nacelle fittings with no discrepancies found **Next Due** hobbs: 1890.0
3. Complied with AD 2016-17-08, eff. /date 9-12-16, Elevator trim hardware inspection/replacement, replaced hardware IAW with Cessna MEB-27-02, inspection next due at HM: 1917.7 or 12 Months whichever is first.
4. Complied with AD 2000-01-16, eff. /date 2-15-00, exhaust inspection, C/W para (b), (c), (e) and (g). **Next Due:** (b)-30 days or 50 hrs. TIS whichever is later, (c) - 12 months, (e) - 12 months, (g) 12 yrs. or 2500 hrs TIS.
5. Complied with ELT inspection and check IAW FAR 91.207 (d), and found it to be in satisfactory condition.
6. Complied with as oil and oil filter change. Serviced each engine with 12 quarts of Aeroshell W100 oil and a CH48108-1 oil filter. Engines were ground ran and leak checked with all indications normal.
7. Removed RT engine and installed overhauled engine and accessories from RAM Aircraft. TSIO-520-NB, removed S/N: 278308-R, installed S/N: 514389. Installed with new isolator mounts.
8. Replaced Vertical stabilizer de-ice boot. P/N 27S705070-14
9. Replaced cabin window inner liners with new G&D Aero Products window liners IAW with STC: SA7063NM. 337 Completed and Mailed to FAA.
10. Replaced LT landing light assy, with overhauled assy, P/N off: 45-0148-4, S/N off: 61998, P/N on: 45-0148-10, S/N on: 65389
11. Replaced rotating beacon assy with new Whelen LED beacon. P/N off: 40-0100-21RX, S/N: ukn P/N on: 010790088-12, S/N: 00767
12. Replaced RT engine air filter housing with serviceable, P12-8156
13. Replaced LT prop deice harnesses with new, P/N: SMR2071-3
14. Replaced door latch sight glasses with new.
15. Removed and replaced 15 Cherry Max rivets on trailing edge of LT engine lower cowl
16. Removed all control cable pressure seals, cleaned, replaced as necessary with new. Greased and reinstalled all control cable pressure seals.
17. Repaired several small pin holes in LT and RT wing deice boots.
18. Replaced LT ice light with new. 1385
19. Repaired wiring to RT nav light, ops check good.
20. Cleaned and treated minor corrosion under floor at RT flap bell crank.
21. Re-secured stall heat element to stall warning vane, operation check good.
22. Secured LT engine Alternate air door cable to door lever.

I Certify that this Aircraft has been inspected IAW an annual inspection and was determined to be in an airworthy condition. Pertinent details of the work accomplished on this aircraft are on file at this agency under work order number M414LA03.

Jared L. Anderson

AP3159154IA

**DEER HORN AVIATION, LTD.****N414LA Cessna 414A S/N: 414A-0077****February 8, 2018****Acft HM: 1849.8 ACFT TT: 8269.8**

1. Flaps failed to retract after landing, repaired broken wire at flap position selector. Ops check good
2. Removed and Replaced Pilot's artificial horizon gyro with overhauled. P/N: 102-0041-04, S/N off: 215E140, S/N on: 216M333G

This aircraft is approved for return to service for the work performed. Pertinent details can be found on file at this agency under W.O. M414LA13

Jared L. Anderson

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