

8-9-02 10 3-3-11 LOG#6

AIRFRAME MAINTENANCE **RECORDS**

Serial No.

Registration No. N414PF



AIRFRAME MAINTENANCE RECORDS

Log No. 6

Aircraft Registration No. No. 144PF

Model (ESSNa 4)4A

Serial No. 414H-0012

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

254/752-8381

FAX 254-752-3307

1-800-445-9713



Airframe Total Time: Hour Meter: 1879.4

Date: 08/08/02

RAM Aircraft, Limited Partnership • Waco Regional Airport

Cessna 414A0012 N414PF

Above referenced aircraft modified per STC SA09105SC per installation of STC SE09104SC engines and per STC SA8728SW to increase gross weight to 7105 lbs. See 337 and attached form 8110-3 for approval of compatibility of previously installed vortex generators. Installed propeller model 3AF32C515. Installed RAM/FAA/PMA 1719-3 Installed RAM overhauled engines L-509670 and R-509405. synchrophase system. Installed Shadin Fuel Flow Indicating System per STC SA5796SW. Transducer installation per STC SE5726SW. Installed General Aviation Modifications, Inc. turboGAMIjectors Kit No. GT14C on left and right engines I/A/W STC SE09289SC. Slick pressurized magnetos P/N 6320 installed per STC SE4651SW. Installed Alcor range-marked EGT gauge P/N 46160 per STC SA522SW. Re-used existing 6 point CHT, EGT system. Installed red silicone impregnated fiberglass baffle material on each engine. FAA-PMA replacement baffles. C/W AD2000-01-16 para (g) by removal of the exhaust system from the slip joints aft. Installed new RAM/FAA/PMA stainless steel exhaust slip joints P/N 1001-3 on left and right engines I/A/W STC SA4331SW. Inspected and re-installed left engine inboard exhaust elbow P/N 9910377-2 and outboard exhaust elbow P/N 9910377-1. Installed new right engine inboard exhaust elbow P/N K9910377-1, S/N 89858 and outboard exhaust elbow P/N K9910377-2, S/N 89801. Installed new left elbow to wye clamps P/N NH1000897-60. Installed new left and right turbo wye P/N 1967-1, left S/N I4283-0002 and right S/N I4283-0004. Installed new left and right wye to wastegate elbow P/N 1967-3, left S/N 207, right S/N 149. Installed new left and right wye to wastegate elbow clamps P/N NH10009109-10. Installed new left and right wastegate tailpipes P/N 1967-7. Inspected and re-installed left and right overboard tailpipe P/N 9910299-1 Inspected and re-installed overboard tailpipe clamps P/N NH1000897-50. and 9910299-2. Replaced left and right wastegate and valve assy's. Installed factory overhauled turbochargers P/N 466412-9003, left S/N CDN00658 right S/N CDN00657. Installed new left and right top turbo supports P/N 1234-1. Re-inspection per paragraph (g) due each 2500 hours TIS or 12 years, whichever occurs first. C/W para (b) by visual inspection of the exhaust system and found to be serviceable. Next visual inspection per para (b) due in 50 hours TIS or 30 calendar days, whichever occurs later. C/W para (c) by removal and visual inspection of exhaust tailpipes found to be serviceable at this time. Next removal and visual inspection per para (c) due each 12 calendar months. C/W para (d) by inspection of the outboard engine beams and canted bulkheads and found airworthy. Inspected left and right engine firewalls and found no distortion or overheating. Re-inspection per paragraph (d) due each 500 hours TIS. C/W para (e) by pressure check and inspection of left and right exhaust system. System checked satisfactory at this time. Re-inspection per para (e) due each 12 calendar months. Para (f) N/A per no multi-segment Vband clamps installed. Installed re-marked tachometer, manifold pressure gauge, airspeed indicators, and 3-in-1 gauges per STC requirements. Static system tested per FAR 91.411, para A 2. (Leak check of system only.) Installed new Aeroquip integral firesleeved fuel and oil hoses meeting TSO-C53 Type D and TSO-C75 Type III on each engine. Installed new left landing gear up-lock support P/N 5141204-3. Installed EZ Heat engine preheaters on left and right engines per manufacturers instructions. Installed new prop de-ice brush block on right engine. C/W AD 84-26-02 per replacement of air filters. RAM Aircraft recommends air filters to be replaced every 300 hours or annual with mandatory log entry required. Installed new left vacuum pump P/N AA442CW, S/N N09445. Installed vacuum pump cooling shroud on left and right engine vacuum pumps per STC SA3721SW. Installed RAM intercooler scoops, intercoolers and turbochargers per STC SA09105SC. New empty weight and balance computed. Aircraft is airworthy and is approved for return to service for engine run-in procedures and modifications performed. Pertinent details are on file under project no. 278 robers

RAM Aircraft Limited Partnership, P.O. Box 5219, Waco, Texas 76708 CRS VA1R551K

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

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	SIGNATU	DESCRIPTION OF WORK PERFOR RE & CERTIFICATE NO. OF PERSON PE	MED— RFORMING WORK
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				BOOK ENTRY		
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					e with scope and detail	
	duk	oblers just o	utboard of ma	ain landing gear.	nt inspection panels and as per cessna drawing. -04 or heater hobbs 877.7.	
	Re	placed right	hand landing	g light P# 45-014	88-9RX Replaced vacc. reg.	
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			•	e, AL 35968	
	B-4-	40.00.00	(256)84	⁽⁵⁻⁹¹²⁹ N# 414PF	
	Date Hobbs	10-28-02			1 17-12
	Installed	i Left hand	strobe pow	rer supply. P# 60-2799-1 S# 16800.	
	Perform	ed opps. an	nd aircraft a	pproved for return to service.	
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				Robert B. Cowart	1
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			lley Aviation Inc. Payne, AL 35968		the same of the sa
			256)845-9129	N# 414PF	
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Dat	e 2-7-0	Valley / F)3 h main tires	Aircraft Maintenany ort Payne, AL 3596 (256)845-9129	A&P424842614 Robert B. Cowart N# 414PF 650x8 8ply Goodyear. noved Oxygen valve	
Dat	e 2-7-0	Valley / F)3 h main tires	Aircraft Maintenany ort Payne, AL 3596 (256)845-9129	A&P424842614 Robert B. Cowart N# 414PF 650x8 8ply Goodyear. noved Oxygen valve	
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Page No.	-	Valley Aviation Inc.			
DATE	0.00.00	Fort Payne, AL 35968 (256)845-9129		ED-	
	Date 8-20-03		N# 414PF	FORMING W	/ORK
i/	Replaced Hobbs Me Reading 000.0.	eter Old Meter Reading	2053.9 New Meter		
	Reading ood.o.	RA	mtB lozart		
	-		ert B. Cowart		
	,				
	Date 10-21-03	LOG BOOK ENTRY Total Time 4996.4	N# 414PF		
	Hobbs 17		S# 414A0012		
-	Inspected and service	ed aircraft in accordance	M# 414A be with scope and detail		
	C/w AD 96-20-07 he	ater pressure test due 5-	05. Replaced vacc. reg. filter.	•	
	Inspected ELT in acc	cordance with 91.207 (d	-04 or heater hobbs 877.7.).Due 11-05. C/w exhaust		
	I certify that this airfr	ame has been increased	slipjoints and y connector.		
	with an 100hr. inspectairworthy condition.	ction and was determine	ed to be in		
off or any original	•		4842614		
		Robert	Cowart L	,	
The second second		Krund	D. Coward		
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	Date 10-21-03	ANNUAL INSPECTION Total Time 4996.4			
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DATE	TOTAL TIME	TOTAL TIME SINCE	TACH OR RECORDING METER SIGN	DESCRIPTION OF WORK PERFORMED— NATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	SERVICE	OVERHAUL	TIME	ght forward from previous page
_ R			Valley Aviation Inc. Fort Payne, AL 35968 (256)845-9129 E. P# ALV9510. Installed read 16.7.	N# 414PF new hobbs meter Society 42614
ho	te this date a	new hobb	Alteraft Maintenance Inc. Fort Payne, AL 35968 (256)845-9129 Someter was installed reand recording improper togs and came up with 62 etermined A&P42484 Robert B. C	HOODS 0.0 ATT 5055.0 N# 414PF rading - 0 Previous rly. With help from 2.0 hrs flight time added he correct total time.
	ate 2-19 emoved an ssy. from R ircraft test	9-04 d replaced am Aircraft	#5 cylinder on left enging. Test ran and leak check the colors of the c	(3000) 42614

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				
		0.00	t part of a	TOTALS brought forward from previous page				
	Logbook Entry 4-5-04 Removed C-830FD autopilot controller p/n 41780-1128 s/n 875 for service. Ref. Star Avionics, Inc. W.O. #23495. STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 !AA CERTIFIED REPAIR STATION # TA 4R537M							
		operation work ord	-01000-10	Log Book Entry d lithium battery, Argus p/n 427012, -00 s/n 002103. Setup as required. OK. Reference Star Avionics, Inc. r 23496. STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 LAA CERTIFIED REPAIR STATION # TA 4R537M				
	41780 — Centi	0-1128 s/ ral, Inc. #23495.	nced C-830 n 875 in Operation	ogbook Entry N414PF OFD autopilot controller p/n a aircraft after repair by Autopilots on checks ok. Ref. Star Avionics, Inc. STAR AVIONICS, INC. LOVELL FIELD CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATION # TA 4R537M				
	AVIATION	CO	MC	ODEL: CESSNA 414A DATE: 08-03-04				
CHER 1800 A BALL	OKEE COU IRPORT D GROUND, CED ALL 16 (UNTY AIRI RIVE GA.	PORT A/C A/C	DITTE: 00 05 07				

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41	L&M AIRCRAFT INC.	N - D-
DATE	ROME, GA 30165	DRMING WORK
1	N414PF Cessna 414A s/n 414A0012 August 25, 2004	
	Aircraft Weighed this date. See new Weight & Balance Data.	
	Larry A. Owen A&P 2050165 According to the control of the control	
		and the second of the second o
,	AIRCRAFT Cessna 414 N414PF S/N #414A0012	
	TOTAL TIME HOBBS:1909.8 MAINTENANCE RELEASE	
	1. INCOMING INSPECTION: REMOVE ALL FLIGHT CONTROLS AS REQUIRED FOR PAINT. INSPECTED AIRCRAFT.	
	2. CHEMICALLY STRIPPED, ETCHED, ALODINE, EPOXY	
	PRIMED AN PAINTED USING THE FOLLOWING JET GLO PRODUCTS: 1. PRIMER: #484-900 Jet Glo	
	2. BASE: Marathon White #00150 Jet Glo	
	 Light Burgundy #10629 Acry Glo Medium Silver #10568 Acry Glo 	
	PER MANUFACTURE'S MAINTENANCE MANUAL, BALANCED FLIGHT CONTROLS.	
L	1. BALANCED Elevators IAW Page 16-17 Section 6 Right +.41 in/lbs Left +.49 in/lbs	
	2. BALANCED AILERONS IAW Page 16-17 Section 5	
	Left -3.07 in./lb. Right -2.42 in/lb.	
	 3. BALANCE RUDDER IAW Page 16-16 Section 4 4. Balance -1.92in./lbs. 	
	REINSTALLED FLIGHT CONTROLS IAW MANUFACTURERS MAINT. MANUAL	
	 RUDDER IAW Page 6-1Figure 7-1 AILERONS IAW Page 5-24 Figure 5-11 	
	3. ELEVATORS IAW Page 6-2A Figure 6-1	
-	Persons involved in the stripping process was: L. Olmstead, A. Crumption Persons involved in the painting process were: D. Gunnells, T. Day, P. Maddox, P. Fox	
	T. McGahee, L. Scott	•
	Page 1 of 2	
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	and the second particle with the second particle and the second s	
	MAINTENANCE RELEASE	
	THE AIRCRAFT, AIRFRAME OR APPLIANCE IDENTIFIED ABOVE	
	WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT	
	FEDERAL AVIATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT	1
	LEGENDS AIRCRAFT REFURBISHING, INC.	
	DATE: 10/24/2002 SIGNED 5 Cau	_
	Bruce MacGregor A & P # 376709935	
l i	AIKEN MUNICIPAL AIRPORT	
4	10 FORWARD COURT AIKEN, SC 29805	-
	IDENTIFIER: AIK	
	803-648-9571	
	Page 2 of 2	
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	Date	11-18-04	Total Tir	me 5155.6	N# 444DE		
	Hobbs	117.6	• • •	0100.0	N# 414PF S# 414A0012		200
and the same	inspecte	d and service	ed aircraft	in accordance		- 1 m	
		appendix	d. O2 hydr	ro test due 5-05	with scope and detail Replaced vacc. reg. filte	ar .	
-	Inspected	1 FLT in a	ater pressu	ire test due 11-	 Replaced vacc. reg. filte of or heater hobbs 973.7. 		
	Ad 2000-	01-16 (para	ordance w	ith 91.207 (d).[06 or heater hobbs 973.7. Due 11-05. C/w exhaust		
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_	11-18-05.	(para d) du	e at 5304 (a c) removable	and insp of tail pipe next	due	
						ry	
_	installed.	(para g) Nex	d due at 7	304.9 or 8-8-12	multi-segment v-band cla	mps	-8
K.	· ociting til	iai iiiis aiitra	me hac ha	An inan-1-1:			
-			ion and wa	as fa te y mined t	e be in		
_	airworthy	condition.		Markor	Sel de man T	-	3
				A&P4248	f2614		
,				Robert B. C	owart		
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		ANA				100	
	Date 11-	10-U4 Tota	UAL INSP	4		1	
Н	lobbs 117	.6	u riiie 5		414PF		
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	TO Fort Payne, AL 35968	Paraphotician and the second
DATE	SEF Date 1-11-05 N# 414PF	MING WORK
	Hobbs 137.7 TT 5175.5	MING WORK
	TIONES TOTAL	77
	Installed Avionics Innovations model Al CD audio player i/a/w	
	STC SA09156RC using existing wiring. See 337 dated this date.	
	Equipment list and wight and balance revised.	and the second s
	A&P424842614	
	Robert B. Cowart	
	$\Delta \Delta $	
	Halm Couran	
	· 大型 · · · · · · · · · · · · · · · · · ·	
	LOG BOOK ENTRY	Section (1997) and the second section of
	11210 4_07.05 T_4_1 +	
	HODDE 17/0	-
	S# 414A0012	1
	Inspected and serviced aircraft in accordance with Progress care program Operation # 1, O2 bydro test due 5,05. Danier	The same of the sa
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		1
	4-07-06. (para d) due at 5304.9. Repaired nose gear door.	-
	, and at 6664.5. Repaired flose gear door.	
	0 1 10 7	registration manual transmission
	Kahnd B. / revard	
	VA-A&P424842614	The second secon
	Robert B. Cowart	
8	HOBBS: 0182 6 Lochack Entre	for the second
	5-11-05 Removed S-550A mode selector p/n 42710-0000 s/n s)
	TOT TEPATI. AULOPITOE IS DISCARDED "TNODEDATTUE" D.C. O.	032
-	Avionics, Inc. W.O. #24486.	ar
-	Vale Rasor	
	STAR AVIONICS, INC.	
	LOVELL FIELD	Special Control of the Control of th
	CHATTANOOGA, TN 37421	
	! AA CERTIFIED REPAIR STATION # TA 4R537M	and assembles to a second
- 1		
	Valley Aviation Inc.	
	Fort Payne, AL 35968	
	(256)845-9129 Date 5-5-05 Total Time 5253.7 N# 414PF	
	TO TO THE PARTY OF THE PAR	
	Oxygen bottle installed after hydro test and serviced with	
	1800psi avator oxygen. Next hydro test due 5-18.	/
	18.	
-	A&P424842614	
1	Robert B. Cowart	
1	Kalmo B. Coward	
	-	gland discounts
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DATE	7-7-05 Date	Valley Aviation Inc. Fort Payne, AL 35968 (256)845-9129 Total Time 5253.7	l# 414PF	FORMED—
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	Complied with AD 200	00-01-16, Visual inspection	of exhaust	10.00
r	next due 5303.7.	y paragraph (b) of this AD. F	aragraph (b)	
		A&P424842	614	
		Robert B, Co	wart	
		Robert B	Coward	
-		1 000, 01, 3	3 3 3 3	
		Logbook Entry	N414PF	
	6-8-05 Replaced	S-550A mode selector	p/n	
	42710-0000 s/n	932 in aircraft after	repair	i i
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	Wale Rason .	STAR AVIONICS, INC.		
	7,1000	STAR AVIONICS, INC.		
		LOVELL FIELD CHATTANOOGA, TN 37421		1
		AA CERTIFIED REPAIR STATION # TA	4852788	i l
			71.00716	
	Date 7-6-05 T	OG BOOK ENTRY		12.
	Date 7-6-05 T Hobbs 215.7	otal Time 5253.7 N# 414		
	10 1 X 2 1	S# 414/ M# 414/		
	Inspected and sen	liced aircraft in accordance wi	th Dragness	-14 2
	Program oberation	# / () Programme took due E 10	T	
	Due 11-05.	nspected ELT in accordance v	with 91.207 (d).	
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		Robert B. Cowart		
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		Valley Aviation Inc. Fort Payne, AL 35968	H Land Carlot
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		Robert B. Cowart	4

TUTALS

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HOBBS: 465.3 Logbook Entry N414PF 5-2-06 Removed SA-832B gyro slaving accessory p/n 44720-00028 s/n 1-3899AR for repair. Replaced with Serviceable IC714 slaving DESCRIPTION OF WORK PERFORMEDaccessory p/n 44720-0001 s/n 1745. Checks ok. TURE & CERTIFICATE NO. OF PERSON PERFORMING WORK Ref. Star Avionics, Inc. W.O. # 25552. t forward from previous page Dale Rasor STAR AVIONICS, INC. Hobbs: 481.9 N414PF Log Book Entry 5-16-06 Removed avionics cooling fan p/n 19A3022 from pedestal at F.S. 108. Replaced CHATTANOOGA, TN 37421 at same location with new Lonestar Aviation TAA CERTIFIED REPAIR STATION # TA 4R537M Corp. cooling fan p/n CRB-122253 s/n 5736 using the existing mounting surface and wiring This is a minor alterarion with no change in weight & balance. Ops checked OK. This aircraft is approved for return to service with respect to work performed. Reference Star Avionics, Inc. work order number 25594. Hobbs: 481.9 Logbook Entry 5-16-06 Removed loaner IC714 slaving amp N414PF p/n 44720-0001 s/n 1745. Replaced with overhauled SA-832B (ID 755) slaving amplifier p/n 44720-00028 s/n 1-4758A. Made necessary CHATTANC V 1. TN 37421 calibration adjustments to meet manufacturers TAA CERTIFIED REPAIR STATION # TA 4R537M specification. Ref. Star Avionics, Inc. work order number 25552. Dale Rasar STAR AVIONICS, INC. LOVELL FIELD CHATTALOOGA, TN 37421 TAA CERTIFIED REPAIR STATION # TA 4R537M Fort Payne, AL 35968 (256)845-9129 N# 414PF 6-6-06 Total Time 5448 Date Complied with AD 2000-01-16, Visual inspection of exhaust system as required by paragraph (b) of this AD. Paragraph (b) next due 5598. A&P424842614 Robert B. Cowart

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		Totals	to, the parent injury as	
	Air Condition System	n was depleted due to compre	ssor failure. Removed and rep	olaced
	IAW Cessna 414 M/N	A the Compressor with Factory	New Compressor p/n 7088 and	New —
	Filter Dryer p/n 9910	157-5. Flushed system and chec	ked for leaks, both vac and pre	ssure,
	none noted. System s	serviced with R414b IAW STC	SA01639NY and Cessna M/I	M. No
		ime. Aircraft returned to serv	ice for work performed unde	r Stat
	the second of the contract of the second of	Work Order, M3925. END		
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	-1.	Sto	eve Rasor 269663771 A&P	
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		Valley Aviation Inc.		
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		Valley Aviation Inc.		
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			Valley Aviation Inc.		
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	in	spection	of exhaust sys	stem as required by par	agraph B	1
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	1aced PA495A-2	pitch servo p/n 4562 2 pitch servo p/n 4562	350-4013	
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	1 Produces		N414PF	
/	Logbook Entry	coding altimeter p/n	43300-512	
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har Mid-COII	Lillenc Independ	-ini (a) and (C). Ok.	
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		k Entry	6-11	
7-25-03 Repl	Laced KI209A Nav i	indicator p/n 066-305 209A Nav indicator p/	n 066-	
s/n 7910 wit	th serviceable KI2	209A Nav indicator p/ hed 8130-3 form from	Honeywell	
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- T-tomations	STAR LOVELL CHATTA	R AVIONICS, INC. FIELD ANOOGA, TN 37421 ERTIFIED REPAIR STATION # TA 4R53 Valley Aviation Inc. Fort Payne, AL 35968 (256)845-9129 Time 6045.4	7M N# 414PF	
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	*	DESCRIF SIGNATURE & CERT	PTION OF WO	ORK PERFORMED— OF PERSON PERFORMING WORK	
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					Valley Aviation			
					Fort Payne, AL 35 (256)845-9129	968		
			Date 5	i-1-08	Total Time	1032.6	N# 414PF	-
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						A328002	8	
						Joseph 7	Tanner Cochran	
			1			Joppa Tan	me Cochan	
					Valley Aviation	Inc.		
					Fort Payne, AL 38			
			Date	5-1-08	(256)845-9129 Total Tim		N# 414PF	
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			Date				V# 414PF	
			Hob	bs 1033.6	Heater Hobb		5# 414A0012 N# 414A	
			Inene	ected and se	erviced aircraft i		ce with scope and detail	_
			of FA	R 43 apper	dix d. Performe	ed landing g	gear retraction and emer.	
			exter	tion. Inspec	ted ELT in acco	ordance wit	h 91.207 (d). Due 9-08.	
			Rem	oved and re	placed r\h main	tire per mi	ms.	
			I cert	ify that this	airframe has be	en inspecte	ed in accordance	
		4, 5		rthy condition	spection and wa	as determin	ieu to be ili	_
			allWU	Tury Cortain	ZII.	,		
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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 SIGNATURE & CERTIFICATE NO. OF PE	V Last
			*	TOTALS brought forward from previous page)
		REPORTI REQUIRE	LLOWING A NG EQUIPM D BY FAR 9	Logbook Entry ALTIMETER SYSTEM AND ALTITUDE MENT TESTS AND INSPECTIONS AS 01.411, IN ACCORDANCE WITH FAR 43, BEEN PERFORMED.	N414PF
				STEMSTO 18000'	8-12-08
. September 1	47			R #1 TO 35000' s/n 2899	8-12-08
				R #2 TO 35000' s/n 404246	8-12-08
		PARA (c) ATC TRANSF AND MEETS	#1 G #2 F ONDER SYST	ED SYSTEM TO 35000' ETX327 s/n 83708183 RT859A s/n 634 FEM OPERATION CHECKED ENT OF FAR 91.413 TARP AVIONICS, IN LOVEL/ FIELD W. O. 303	8-12-08 8-12-08 8-12-08
			.	CHATTANOOGA, TN 37421 FAA CERTIFIED REPAIR STATIO	
Å		Troul Manu Four	Chatto Chatto Dieshot Prop S ual Supplement d wires crosse	r Avionics, Inc. N-414PF well Field W.O. M4546 tanooga, TN 37421 Hobbs: 1062. cynchrophaser with information from RAM Maintenance of for RAM 1719-3 Propeller Synchrophaser dated Maintenance of the right control coil. Rewired. Replaced exposed wand secured control box. Ground ran system and OP	ce y 5, 2004. rires butt
3.2			nalEnd	Robert E. Sutton A&P 3194823 IA	
		Date Hobbs	11-19-08 1088.1	Valley Aviation Inc. Fort Payne, AL 35968 (256)845-9129 Total Time 6126.1 N# 414Pf	\$c
		systen next d	as require ue 6176.1.	2000-01-16, Visual inspection of exhaused by paragraph (b) of this AD. Paragraph Removed fire bottles for servicing. Die fire bottles.	
		**************************************	"	A3280028 Joseph Tanner Coch Daget Tanner Corbon	nran.
Plant I de la constitue plant			i		
		1	1	SUB-TOTALS this page	1

O/ Sont 25 200	0	Logbook Entry	Aircraft TT:6172.8
Sept. 25, 200	9	Logoook Entry	Hobbs: 1117.8
N-414PF		Cessna 414A	S/N 414A0012
Validated tha	t the previous in	stallation of the GNS530 which was	installed IAW Garmin Instructions
and approve	d via an FAA-St	amped Field Approval Document on	FAA Form 337 dated January 18,
2002 Verifie	d this aircraft an	ed all interfaced equipment are covered	ed under the STC AML. The existing
wiring and sl	ielding was inst	pected and determined to be IAW the	STC AML installation data. The
existing GA5	6 Antenna was 1	removed and replaced with a GA35 A	ntenna using the approved mounting
_ previsions of	the previous ins	tallation.	
A summary o	f the modification	on done to the aircraft is as follows:	A GA25 GDS/WAAS Antenna
_ 1) Removed	Jarmin GA36 ai	ntenna P/N 011-00134-00 and installed using the provisions left behind from	n the standard antenna IAW with
P/N 013-002	33-00 3/N 40303	190-00357-06 Rev. D and STC no SA	A01933LA.
2) Removed	Garmin GNS 53	0 P/N 011-00550-10 unit and installed	d Garmin GNS 530W P/N 011-01064-40
S/N 7840410	7. using the prov	vision left behind from the standard 5.	30 unit. Installation done IAW with Garmin
upgrade insta	llation manual P	P/N 190-00357-06 Rev. D and STC no	SA01933LA.
3) The GNS-	530W was deter	mined to meet the Field of View Rear	irements without external annunciation.
4) The GNS	30W was config	gured identical to the original 530 uni	t. Each interface was checked out IAW the 300 W
 Series Install 	ation Manual P/I	N 190-00357-02 Revision G Dec. 200	8. A copy of the checkout log was completed.
5) Removed	he Aircraft Fligl	ht Manual Supplement for the GNS 53	30 and installed a GNS 500W Series Arivis
- P/N 190-003	6-03, Rev. B F	AA Approved date July 31, 2009 into	reflect the New WA & Sunit
Instructions	or Continued A:	ment List and Weight and Balance to rworthiness (ICA)	Tenect the New WAAD tint.
a) GNS 530V	7- Included Garr	nin document P/N 190-00357-65 GN	S 500W Series Instructions for Continued
		maintenance records.	on on artists and lead of
			I and the second
Note: These	upersede ICAW	data for the previously installed GNS	3-530.
- The Original	Instructions for	data for the previously installed GNS Continued Airworthiness (ICA) are lo	cated in the aircraft records. The ICA
- The Original	Instructions for	data for the previously installed GNS Continued Airworthiness (ICA) are loaspection/Maintenance Requirements.	cated in the aircraft records. The ICA
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STAR AVIONICS, INC. 208 NOWLIN LANE, HANGER #21 CHATTANOOGA, TN 37421 423-499-1100

N414PF

C-414A

S/N 414A-0012

Date: 9-25-2009

Aircraft Total Time: 6172.8

Hobbs: 1117.8

Inspected and service aircraft in accordance with the scope and detail of FAR 43 Appendix d. Performed hydro test of the landing gear blow down bottle P/N 991015 S/N 718 and Oxygen bottle P/N 801366/11 S/N 81, test performed by Chattanooga Fire Protection, Chattanooga, Tn. Reinstalled after test and serviced. Removed all three landing gears, cleaned and resealed. Replaced both main gear pin support rings p/n 0841212-1. Complied with 1000 hr. / 3 yr. inspection of the main gear pivot bearings. C/W 1000 landings SID insp. of main gear upper barrel. Main gear serviced and reinstalled in accordance with Cessna 414A MM. Replaced brake hoses with new and bled brakes. C/W 400 hr inspection of the nose gear drag brace, replaced bearing in the right side. C/W 1000 hr/ 3 yr. inspection of the nose gear pivot bearings. C/W 2500 hr/5000 landing SID inspection of the nose gear trunion assy. Reassembled nose gear with all new hardware, reinstalled and serviced. Replaced main landing gear retraction and extension hoses with new. Performed landing gear normal and emergency operational check and rigging check. Replaced both main wheel assemblies with used serviceable wheels P/N 40-13A due to corrosion. Wheels assembled with new bearings and disc P/N 164-20306. Replaced the left main tire. Resealed both brake calipers and installed new brake linings P/N 066-06600. Replaced the left brake torque plate p/n 075-01902 due to damage from wheel bolts. Replaced the oxygen system service line in the nose compartment. Replaced both the pilots and co-pilots oxygen mask assy. p/n C166009-0801. Fabricated and installed 5 new oxygen lines in the cockpit and cabin overhead. Replaced all gasper air ducts in the cockpit and cabin overhead under headliner do to corrosion. Serviced and installed a new aircraft battery P/N G-246. Cleaned and treated battery box with corrosion resistant paint. Installed new battery box vent tube. Cleaned, treated, primed and painted corrosion in the exhaust trails under both wings and flaps. Replaced bad rivets in skin doublers on both wings just aft and outboard of the main gear doors. Removed the aileron, elevator and rudder trim actuators for 1000 hr/ 3yr Overhaul. Reinstalled with new hardware and rigged after overhaul by, The Aviation Group, Inc., Peachtree City, GA. FAA RS#VGOR728L. Rudder Actuator P/N 5115275-4 S/N 074409, Aileron P/N 5115540-3 S/N 074309 and Elevator P/N 1260074-4 S/N 074209. Replaced the left aileron outboard bearing. Replaced springs on the APU connect Access door. Fabricated and installed Surface patch on the right wing Aft of the wheel well do to skin cracks. Primed and painted. Fabricated and installed flap well stiffener just outboard of the wing locker buy cutting out corroded section. Bonded with EA 9309 and riveting in place. Primed and painted. Replaced numerous rivets in wing and nacelle fairings due to looseness. Replaced Instrument air filter P/N AM103435IA and vacuum regulator filters P/N B3-5-1. Replaced both fire bottle cartridges P/N AE13083-5, Lot # AEN 1-127 MFD 6/09, these cartridges have a 10 yr total life. Installed P/N PM-56 nose cone erosion boot. Replaced 28 rivets in the left nose landing gear door hinge due to looseness. Inspected ELT unit in accordance with FAR 91.207 (d), replaced battery pack P/N 2020, new replacement date 8-2011, operational check was

normal. Replaced rudder bonding strap at the center hinge. Removed and replaced heat normal and replaced near exchanger ducts both sides. C/W 400 hr replacement of the hydraulic filters. Replaced the exchange left evaporator Assy cover. Replaced o-ring in the right pressure air dump valve. Cleaned both evaporators. Replaced the airconditioner motor hydraulic filter, 400 hr item. Installed new lower cabin door snubber and rigged steps. Cleaned pressurization controller filter. Flight control Cable tensions checked. Performed 600 hr. tested of the pressurization barometric pressure switch, checked normal. 6000 hr eddy current inspection of the lower cabin door hinges performed by Epps Air Service, Inc. Atlanta, Ga. FAA RS# ESMR 688D. Checked OK at this time. Performed 1200 Pressure Cabin Type A & B inspection, no defects noted at this time. C/W the following SID's inspections: Elevator Torque Tube Assembly, next due @ Aircraft TT 7172.8. Outboard Elevator hinge bracket and attachment, next due @ Aircraft TT 7172.8 Wheel well close-out rib inspection, next due @ Aircraft TT 7172.8. Type "B" wing & stub wing inspection, next due @ Aircraft TT 7372.8. Forward wing spar web inspection, next due @ aircraft TT 7172.8. Inspection-Acrylic windshield, next due @ aircraft TT 7172.8. Repaired left wing leading edge forward of fuel filler do to small pin holes from corrosion under de-ice boot. Corrosion was removed by cutting out area and installing a patch in accordance with Cessna MEB 95-11. See 337 this date for details. Removed and replaced All surface de-ice boots. Installed direct replacement SMR Technologies /Ice Shield Boots. Installed Left outboard boot P/N SMR5070-37 S/N 1062, LH Inner P/N SMR5070-38 S/N 1059, RH outboard SMR5070-07 S/N 1094, RH inner SMR5070-08 S/N 1110, LH Stab P/N SMR 5070-11 S/N 1415, RH Stab P/N SMR5070-11 S/N 1401, Vert. Stab P/N SMR5070-14 S/N 1091. Work performed in accordance with Cessna 414A MM and SMR Install and MM. Removed and replaced the follow surface de-ice system flow control vales with Overhauled or serviceable Valves LH P/N 3D2352-01 S/N 7054, RH P/N 3D2352-01 S/N2233, tail P/N 3D2352-01 S/N 4986. Operational check of surface de-ice system was normal. Complied with Kelly Aerospace (Janitrol Heater) AD2004-21-05, Pressure decay and pressure switch test. Checked ok at this time, Next due @ Heater HM 1201.2 0r 10-14-2011. Complied with Kelly Aerospace (Janitrol Heater) AD2004-25-16R1, Fuel Shut off valve test, check ok at this time. Next due @ Heater HM 1201.2 or 10-14-2010. Current Heater HM reads 1101.2. Complied with Cessna AD 2000-01-16 Exhaust system inspection Par's. (b), (c), (d) & (e) by visual and pressure check. Checks ok at this time. Next due @ Par (b) @ 6222.8 Aircraft TT or 11-14-2009 whichever is later, Par (c) & (e) due @ 10-14-2010, Par (d) due @ aircraft TT 6672.8. Par's (f) & (g) are N/A, No Multi segment "V" band clamps. Cessna AD 95-09-13 Fuel Inlet Float Valve test is due by Aircraft TT 6253.6. Cessna AD2005-12-13 Forward wing spar eddy current due at 8500 hrs aircraft TT, and Spar strap install by 9000 hrs TT. Cessna AD97-26-16 Radiographic inspections of the engine mount beams due @ Aircraft TT of 12,766.7. AD' checked through this date. I certify that this aircraft has been inspected in accordance with an annual inspection and was found to be in an airworthy condition. Details on file at this location under the follow WO #'s M4807, M4808, M4810 & M4822 . End-----

Clinton E. Renner, Jr. Clinton E. Renner, J. AP3418727IA
For Star Avionics, Inc.

	VICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING V	WORK
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		brake hose	e fitting in left w	P/n: 511520-4 on upper cabin door outside handle. Tightened loose upper rheel well. I certify, with respect to the work accomplished above, that this turn to service.	, , , , , , , , , , , , , , , , , , ,
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		AW	Tel:954-816	-7399 Fax:954-792-2516 afmohamed@hotmail.com	
			11-11	-7399 Fax:954-792-2516 amonanico Entre 1149.5 -09 N414PF C-414A S/N: 414A0012 H.M: 1149.5	
		AIRFRAME:	alternators du	e to shaft oil seals leaking. Removed H: P/n: ALV-9510R S/n:	
		_H025687. € H:	P/n: ALV-9510	S/II. E 1227 TV. Lott agree Diable eleganical pot reanirable due to	
		worn shaft. Re	piaced right all	emator with overhause and state of the state	
		01/30/2009. In	stalled both alt	otech of Louisville Inc. (CRS#: PO4R453M) under Work. ernators with new hardware and gaskets. Repaired broken wire terminal and ops tested O.K. I certify, with respect to the work accomplished and ops testing to service.	
		bn left alternat above, that thi	or. Ground run s aircraft is app	proved for return to service.	
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9			Tel:954-816	Specialty Services Corp. 6-7399 Fax:954-792-2516 afmohamed@hotmail.com	
		<u>12-1</u>	7-2009 N4	14PF Cessna 414A SN: 414A0012 HM: 1155.9	
		AIRFRAM	E:		
		Serviced ti	re pressures	s. Installed new hose assy's on both crew oxygen masks	
		PN: C1660 - G0247774)05-0706. R 8 in accorda	eplaced aircraft battery with new Gill G246 SN: ance with Gill Installation Instructions. Ground run	
		charging s	vstem check	ked satisfactory. I certify, with respect to the work	
	- 10	accomplish	ned above, t	his aircraft is approved for return to service.	V 190 1 1
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		<u>01-</u>	Tel:954-8 -16-2010 N	N414PF Cessna 414A S/N: 414A0012 HM: 1177.4
		AIRFRA	ME:	
		nutnlates	and reinsta	ket on left outb'd gear door. Drilled out old loose bonded alled bracket with structural screws P/n: AN525-10R16 and
		- nute P/n·	MS21043-3	3. Reinstalled door and performed landing gear swing ed broken nutplate inside of upper cabin door extender
		rainforce	ment hracke	et with new P/n: MS21059L3K. Replaced extender P/n: w. Replaced extender cable P/n: 5119066-3 with new. I
		certify, w	rith respect t	to the work accomplished above, that this all chart is
		approved	d for return t	o service.
		Ameer F	Mohamed	
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			viatio	n Specialty Services Corp.
			Tel:954-	816-7399 Fax:954-792-2516 afmohamed@hotmail.com N414PF Cessna 414A SN: 414A0012 HM: 1178.0
-		AIRERA	MF.	
		Diagod (alevator trim	n system and painted white line on indicator. Replaced upper n guide with new P/n: 5111531 see Cessna FAA Form
10 000 May 1000		- 8130-3 (dated 11-06	-00, and adjusted linkages. Replaced baggage door nandle
		 reinstalle 	ed I certify.	25-7. Repaired right nose baggage door extender and with respect to the work accomplished above, that this
		aircraft i	s approved	for return to service.
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Page No. DESCRIPTION OF WORK PERFORMED-TOTAL TIME TOTAL TACH OR SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK RECORDING TIME DATE METER IN SINCE TIME SERVICE OVERHAUL Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com 02-26-2010 N414PF Cessna 414A S/N: 414A0012 HM: 1189.7 Removed Gill battery P/n: G-246 S/n: G02477748. Battery installed on AIRFRAME: 12/17/2009 @ H.M: 1155.9. Installed Concorde battery P/n: RG24-20 S/n: 40336040 in accordance with Concord Owner/Operator Manual P/n: Drawing: 5-0164 Rev. B dated 09-09-2005. Instructions for Continued Airworthiness Maintenance Manual Supplement P/n: Drawing: 5-0142 Rev. J dated 02-20-2007 provided. Ground run accomplished, charging system op's check satisfactory. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service. Ameer F Mohamed A&P 3270645 Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com 06-29-2010 N414PF Cessna 414A S/N: 414A0012 HM: 1243.7 AIRFRAME: Replaced inoperative left auxillary fuel pump switch with new P/n: MS35059-21. Reparied wire terminal attached to high pressure side of switch due to heat damage. Rotated both main tires on wheel halves. Cleaned and repacked wheel bearings. Adjusted toe out on right main landing gear. Trim newly installed upholstry away from sight glasses on lower cabin door lock indicators. Checked pitch trim rigging. Found indicator at control wheel limiting full nose up travel. Adjusted indicator and verified correct travel of trim tab. Complied with AD 00-01-16, exhaust system leaks IAW para. (a) and (d) by visually inspecting. No defects found. Installed anti-chaffing tape on aft section of left engine where top cowl contacts. Replaced both propeller spinners with new P/n: D5212 due to de-ice wire clamps installed incorrectly and chaffing through old spinners. Repositioned clamps correctly and installed missing rubber insualtor in several clamps. Shimmed new spinners upon installation. Ground run performed satisfactory. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service. Ameer F Mohamed A&P 3270645 CPR Aviation Window Repair 9/3/2010

Polished/Repaired Co-pilot Windshield outer Surface.

I.A.W. Cessna 414A Maintenance Manual # AC4313. Verified thickness using a Calibrated thickness gauge.

OK to return to service. N414PF 5/N414A0012 A4P#2805141 813-728-1346

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		AIRFRAN Air conditi	<u>/IE:</u> ioner not blo	wing cold air. Found condenser fan inop	. Replaced fan
		motor ass	w with service	ceable P/n: 9910155-1 S/n: 459, see sen	viceable
		acknowled	dgement inv	oice no. 228711 from Atlanta Air Exchan fire extinguisher and made cabin drawer	ge Inc. dated · latch.
		→ Troublesh	noot low air f	low from overhead vents. To be correcte	ed at annual
		inspection	n. I certify, w	ith respect to the work accomplished about righturn to service.	ove, that this
		allCraft is	approved	Tretain to service.	
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		Com #1 P	# KT4R32 ipleted 91.4 IN EA80	2M 9 11 Altimeter test per FAR 43 7	Reads Room H
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			_	Corvices Corp.							
		Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com 10-06-2010 N414PF Cessna 414A S/N: 414A0012 H.M: 1285.4									
2											
		AIRFRAME: Replaced right main tire with new Good Year Flight Custom III P/n: 650C86-3 (6:50 x 10 8-PR) S/n: 01312321. See Good Year tire & rubber Co. FAA (6:50 x 10 8-PR) S/n: 01312321. See Good Year tire & rubber Co. FAA Approval No. DMIR831193CE FAA Form 8130-3 dated 09-09-2010. Cleaned, Approval No. DMIR831193CE FAA Form 8130-3 dated 09-09-2010. Cleaned, inspected and repacked wheel bearings. Inspected brake linings and caliper and found in satisfactory condition. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service.									
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		Aviation Specialty Services Corp.									
		Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com 11-12-2010 N414PF Cessna 414A S/N:414A0012 ACTT: 6354.7 HM: 1299.7									
	11-										
	AIRFRAME	AIRFRAME: ELT inspected IAW FAR 91.207(d), Battery due replacement 08-2011. FAR 91.411 & 91.413 NEXT ELT inspected IAW FAR 91.207(d), Battery due replacement 08-2011. FAR 91.411 & 91.413 NEXT									
	DUE 09-201	DUE 09-2012. Checked required placetus and stiller payt due ACTT 6572.8. Barometric									
	pressure sw	bs 10 ozs (4 lbs 14 ozs +/- 4 ozs). All condition my lines hear bette hydro test next due									
	09-2014. Ox	9-2014. Oxygen cylinder hydro test next do 59-2014. Oxygen cylinde									
	surface edd	y current insp	next due ACTT	97/2.5. NES & MES & AD's researched through							
•	FAA Issue 2	curface eddy current insp next due ACTT 97/2.6. NLG & MLG truthing processors of the									
		FAA Issue 2010-23. AD 05-12-13 lower wing spar caps due at ACTT mount beams due at ACTT 12,766.7. CW AD 95-09-13 fuel tank inlet float valve next due at ACTT 6954.7. AD 90-02-13 MLG barrel inner bearing no longer applies per AD Compliance List dated 107-27-2006. AD 10-11-04 hyd valve lifters NA by excluded engines in AD. AD 09-19-07 EQ3									
		AD 10-11-04	hyd valve litters	NA by excluded engines in AB. AB 05-15-07 Equation (AB. AB. AB. AB. AB. AB. AB. AB. AB. AB.							
	Cymrusi nea	24 OF 46 D4 Such roa shut off valve next due H.M. 1399./. AD 04-21-05 Cabili fieder and an									
	04-25-16 R1	Hab raid di	haatar 🗀 Mi. 120	pressure switch next due heater H.M: 1201.2 or 10-14-2011. AD 10-07-08 early turbine wheel failure NA by PN's.							
	pressure sw	itch next due	heater H.M: 120	The state of the s							
	pressure sw	itch next due	heater H.M: 120	CONTINUED							
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Page No. TOTAL TOTAL TACH OR RECORDING METER TIME TIME DESCRIPTION OF WORK PERFORMED— SINCE DATE IN SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SERVICE OVERHAUL TIME TOTALS brought forward from previous page Specialty Servi Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com AD 00-01-06 exhaust system cracks & corrosion: CW par (b) recurring ACTT 6404 or 12-29-2010, par (c) recurring 11-2011, par (d) recurring ACTT 6854, par (e) recurring 11-2011. Cleaned both induction air filters elements. Replaced leaking LH wing aft fuel drain valve with new valve P/n: 79C1 & "O" ring MS29513-020. Installed brass screws on flux valve insp panel. Replaced fuel cap "O" rings P/n: MS29513-338. Replaced damaged nutplates for RH stub wing insp panel. Shimmed LH & RH mounts up due to intake pipe chafing on nose bowls, shims P/n: 5056010-4, one new mount bolt P/n: AN7-37A, two lock tabs P/n: 0851559-1. Tightened loose clamp for cabin heater duct on fwd side of fwd pressure bulkhead for pressurization leak. Replaced hydraulic filter elements P/n: AN6235-2A. Cleaned & resealed fuel strainer bowls seals P/n: 600-001-625 & N674-70-151 & "O" rings MS28775-8. Replaced both vacuum regulator filters P/n: RAB3-5-1. Serviced brake reservoir, A/C hyd reservoir, landing gear reservoir, tires & charged battery. Troubleshoot inop overhead air vents, found plenum under flooring behind pilots seat cracked & broken. Removed LH A/C evaporator for access. Repaired plenum & replaced ducting P/n: 5117218-1. Reinstalled evaporator. Replaced two forward damaged moisture drain seals P/n: CM3575-2, removed & reinstalled RH A/C evaporator for access. Vacuum & serviced air condition system. Replaced LH fuel selector valve with OH unit P/n: 9910201-1 S/n: 138 due to valve not shutting engine off in the off position, see the Aviation group Inc. FAA Approval # VGOR728I WO # 34057 & FAA Form 8130-3 dated May 21, 2010. CONTINUED Aviation Specialty Services C Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com Troubleshoot # 3 & # 4 display on RH GEM engine indicator display. Cleaned & repacked all wheel bearings. Clean rust off nose wheel axle. Replaced torn nose wheel bearing dust cap felt seals with new P/n: 154-01300. Adjusted toe on LH MLG torque links. Safety nose gear actuator rod end hardware. Replaced worn out RH MLG up-lock hook with new P/n: 5141312-1. Performed landing gear retraction and extension tests. Paint touched up around nose bowls, baggage doors, dorsal fin, LH wing tip, propeller tips. Treated entire airframe with ACF-50 corrosion inhibitor. I certify this AIRCRAFT has been inspected in accordance with a 100 hour/ANNUAL INSPECTION within the scope & detail of FAR 43 App D and Cessna 414A M.M. inspection outline and was determined to be in AIRWORTHY CONDITION. Ameer F Mohamed A&P 3270645 IA SUB-TOTALS this page TOTALS—Carry forward to next page

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	Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com 12-16-2010 N414PF Cessna 414A SN: 414A0012 ACTT: 6366.9 HM: 1311.9								
	AIRFRAME: Removed pilot's divider and seat to gain access to voltage regulators. Paralleled both alternators to 27.5 VDC. Ground run and tested. Reinstelled interior. Landing gear will not cycle. Found hydraulic 27.5 VDC. Ground run and tested. Reinstelled interior and the statement of the stat								
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	bleed system.	Landing gear	retraction and	extension tests performed satisfactory.					
				epaired gauge P/n: 18C452-1 S/n: A63800 see Nylor's . NYJR148L WO # 17493 and FAA Form 8130-3 dated 	- Transfer				
	Dec/10/2010.	Ops tested ga	auge OK. I ceπi	fy, with respect to the work accomplished above, that this					
	aircraft is appr	oved for retui	n to service.						
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	V-61-2011 1971-11 SWEET 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1								
	AIRFRAME:	ed out right la	nding light lamp	with new P/n: GE453, ops tested O.K. Disassembled					
	1 1 -1 -		A with A77/19 D	olyPal seal, MS28775-228 "O" ring, S33756 scraper id and nitrogen. Polished out deep grooves on outside					
	of lower strut be	earing. I certif	y, with respect t	to the work accomplished above, that this aircraft is					
	approved for re	turnto servic	е.						
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Tel:954-816-7399 Fax:954-792-2516 afmohamed@hotmail.com 03-03-2011 N414PF Cessna 414A S/N: 414A0012 H.M: 1336.5

AIRFRAME:

Jacked left wing, removed left wheel. Disassembled wheel, cleaned and inspected wheel halves and bearings. Repacked bearings. Replaced LH main tire with new 6.50x10 8 PR FIt Custom III S/n: 03012287. Serviced all tires with nitrogen. I certify, with respect to the work accomplished above, that this aircraft is approved for return to service.

Ameer F Mohamed A&P 3270645