

AIRFRAME MAINTENANCE RECORDS

Registration No. 168157

Serial No. 414A0645



AIRFRAME MAINTENANCE RECORDS

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S	Aircraft Registration No.	N 6 8 15 T	•	
	ModelCessna	414A		-
	Serial No414A	0645	-	

J A AIR CENTER DuPage Airport/WestChicago, IL. 60185 DATE WORK Repair Station #NF2R029L AIRFRAME LOG TT 2620 Type CESSNA 414A TOTALS brought forward from p N # 6815T S/N 414A0645 REC. HR. METER 2620 At this time this aircraft was opened, cleaned, inspected & serviced per Cessna service manual for an Annual Inspection All flight controls were checked for proper travels, cable tensions, condition & lubricated as required. Lubricated control labyrinth seals. The electrical & lighting systems were checked for proper operation & condition. Electrical de-ice & anti-ice systems were checked for condition & operation. Surface deice systems were tested and serviced as required. Serviced the aircraft battery. Functionally tested the ELT and inspected as per FAR91.201. Battery exp date is 8 of 96. The vacuum system was checked for condition and serviced as required. The fuel system was inspected for security, leaks, and condition. Fuel filters and sumps were cleaned and serviced. The aircraft was jacked and landing gear was cleaned, lubricated, and operational checks were performed. Hydraulic systems were inspected for condition and leaks and filters were serviced as required. The brake system was serviced as required. Brake wear limits were checked. Cleaned, inspected, and greased the wheel bearings. The pressurization system was tested. Cleaned the outflow and safety valves. Fire, blowdown, and oxygen bottles were checked for security, condition and proper markings. External markings and placards were checked. These items were repaired, replaced, or corrected: Touch up paint and restrip the Nose. Restripped Radome using 44449U DK Chestnut Gold Metallic 5242U Las Vegas Gold Metallic. Restripped the RH Winglet using the same colors. Restripped the vertical stabilizer using the same colors. Feathered in the Inboard Wing Roots using G80021 Alumigrip and installed clear Radome Cover. IFR Certification 7/29/94. Next due 7/29/96. Hydrotested blow down bottle 5 years 6/01/92. Next due Hydrotested oxygen bottle 5 years 06/01/92. Next due Loose screw in pilots side window. Retorqued screw Lower aft fairing on left nacelle is cracked. Repaired crack with fiberglass patch and paintes fairing. Nose Door Support on RH side is bent. Swapped with the front. Installed one new door support rod on the left rear nose and swapped left front to right rear. Prop Govenor Rod End is worn. Installed new Rod End and Thru Bolt on RH Prop Control Cable at the govenor. Flap scissors links on both sides need shimming and retorquing. Retorqued scissors on flaps. Flaps need to be washed. Washed the inside of the flaps. The mose wheel steering cable tension is low. Adjusted nose wheel steering cable tension as per Service Manual. De-ice light inoperable. Installed new GE1385 bulb. LH Cowl light inoperable. Light was not plugged in. Reconnected the socket.

Check courtesy light. Installed CM-5 cabin breaker and

5 Static Wings are missing, DG16305. Installed the miss-

tested system.

ing Static Wicks.

Installed two new tubes assy to main gear doors.

Both hydraulic filters need changing every 400 hours. In-

stalled 2 new AN6235-2A filters. Next replacement is due

S/N 84615 as per STC SA577GL. Installation of a Shadin Company 910502, 910504, or 910514 Fuel Flow indicating System in accordance with Shadin Company Report No. 4026,

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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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		t Avionics		Date: <u>9-9-96</u> N#: <u>68157</u>
-		ge Airport Chicago, IL 60	1185	W0#: 163220
	Te	sted Altimeter	(s), Altitude R	eporting and Static System(s) in
2	acc FA	cordance with R 91.411 and	Part 43, Appe FAR 91.217.	endix "E" for compliance with
		Pilot's Altim	eter P/N 5	934 S/N V5716 Range 30
	Ċ			934 S/N V4998 Range 30
	Tra	ansponder Tes	sted in Accord FAR 91. 413	1: RT. 45 9A S/N: 9310/9645 ance with Part 43, Appendix "F" for
				029L-Class III.
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J A AIR CENTER DuPage Airport/WestChicago, IL. 60185 Repair Station #NF2R029L AIRFRAME LOG Type CESSNA TT 2784 N # 6815T MICHARITE RECEIPTERATE TO LIKE REC. HR. METER 2784 5/N 414A0645 Installed a new ELT battery P/N BP1020 and functionally tested the ELT. New expiration date is June of 1998. RH outboard de-ice boot -- one tube stays inflated. Troubleshot the system found left boots shuttle valve not operating properly. Removed the valve and disassembled. cleaned, and reassembled. Checked lines for leaks: none were noted. Reinstalled and retested with satisfactory results. Central vacuum filter is due in 74.7 hours by 2859.0 hours hobbs and total time. Oxygen system is lbw-Serviced the oxygen to 1850 psi. RH rear passenger seat back will not stay up. Removed the seat and checked the reclining mechanism; was able to duplicate the discrepancy. Checked actuator cylinder for proper rigging. Put seat into a full recline and allowed cylinder to release seat back to full position. Could not duplicate squawk after several positions. LH main gear up-lock switch is loose-Tightened the switch and checked for proper operation and rigging. LH and RH brake disc are worn below minimum limits. The brake linings are also worn to minimum limits. Installed two new brake disc assys P/N 164-06406 and 18 new 66-66 linings. LH and RH main gear actuator rod ends seem to have excessive movement. Cleaned, inspected and lubricated. Found the rod ends within servicable limits. LH main gear torque link is loose at the center hinge point. Disassembled, cleaned, inspected and lubricated. Reassembled, shimmed and retorqued the attaching bolt. Nose wheel grease felts are broken-Installed new felts on both bearings. Nose wheel has one defective race and bearing-Installed a new race and bearing. RH main wheel inboard race and bearing are defective-Installed a new race and bearing. Hydraulic system filters are due for replacement in 236.6 hours by 3020.9 hours hobbs and total time. AD82-07-03 Janitrol heaters-Complied with AD82-07-03 by pressure decay test and 100 hour heater inspection. No defects were found. Next inspection is required in 100 heater hours by 411.5 heater meter or 24 months by 9 of 98. AD84-26-02 Induction Airfilters is next due in 336.6 hours by 3120.6 hours hobbs and total time or on condition. AD95-09-13 Fuel Inlet Valves is due in 69.1 hours by 2853.1 hours hobbs and total time. I certify that this AIRFRAMEWas repaired and/or inspected in accordance with An Annual inspection and is approved for return to service. Pertinent details are on file at this Repair Station under W.O.# 2999 . Joliet Avionics Inc., DuPage Airport, West Chicago, IL 60185 F.A.A. Approved Repair Station #NF2R029L Deenel

Inspector

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
	Repair Type C N # 68 S/N 41 Hydr Checke comming Replac Service sults. Prop All ele result Righ Instal found. Left Remove Compli lems f total LH e Repace Knisle The ai repair of the service repair Date 1 Joliet	Station ESSNA 15T 4A0645 aulic flue d the nose g from the ed with a ed the sy sync is ectrical chand fut ded new for thand int d panel a ely with A cound at for time. engine out d the ris ey Exhaust rcraft, e ed & insp Federal e. Pertir station 0-3-96, 8 Avionics	#NF2R029L 414A id is leaded area for the stem and intermitte tharnesses below could be drain fuel detain fuel detain fuel detain fuel fuel fuel fuel fuel fuel fuel fuel	REC. HR. METER 2802 aking from under nose. or leaks. Found the suction line reservoir partially chafed through. essure hose and AN fittings. ground ran with satisfactory re- tent. s were checked with satisfactory ld not be duplicated. is leaking. n P/N 79C1. No further leaks were l panel is leaking/ Installed new seal using pro-seal. 03 Fuel inlet check valve. 03 as outlined in AD note. No prob/ Due again in 600hrs at 3402 hrs haust riser assy is failing- with a new unit P/N K9910295-13 from
		Trans	68 Cetina Alt	WN FLYING SCHOOL, INC. Sky King Airport 898 North Clinton Street Terre Haute, IN 47805 Al NG815T 11-25-96 Al and filty beth engines Aliante. Field I A1783936 Time 2844.7

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME TIME TACH OR DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING V			
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				e Airport/WestChicago, IL. 60185 P 1		
	Rep	air Stati	on #NF2R			
	Typ	e CESSNA	414A	TT 2850		
	N #	6815T				
	SIN	4144064	5	REC. HR. METER 2850		
	A	DF and ma	ignetic co	ompass lights are out-		
	Tro	ubleshot	both sys	tems and found that the ADF had two		
	bad	bulbs.	Removed (ADF and installed new lamps. Found		
	con	pass to I	have a ba	d lamp socket. Removed old socket		
	and installed a new socket. Reassembled all of the					
	abo	ve. Ope	rational	check was satisfactory.		
	<u> </u>	t boot wo	n't defla	ate-		
	Inf	lated the	e deice s	ystem. Found a large hole in the		
	inb	oard boot	of the i	RH wing. Patched with some EC801.		
				ng valve to be sticking. Removed		
	for	cleaning	. Re-ins	stalled and the operational check		
	Was	satisfa	ctory.			
	The	aircraft	, engine	, appliance, or component identified was		
				in accordance with current regulations		
				ion Agency and is approved for return to 🔭 ——		
				etails of the repair are on file at this		
	rep	air stati	on under	W.O. # 3294		
	Sig	ned: BRU	CE P. REB	ECHINI Que Losling For		
				. DuPage Airport, W. Chicago, IL 60185		
	F. A	A.A. Appro	oved Repa	ir Station #NF2R029L		



Waco Regional Airport

2888.3 2888.3 Airframe Total Time: Hour Meter:

Date:

CESSNA S/N 414A-0645 N6815T

On above referenced aircraft flushed left coolant radiator. Radiator flushed for six hours with RAM high pressure/high temperature pump system using Mantek Radi-Flush. Flush system with distilled water to remove cleaner. Reconnect radiator to engine coolant system. Serviced system with 60/40 mixture of Texaco ETX 6024

Work (order No.	vice for . 2585.	maintena	AM Service Manual Supplement. Aircraft approved for ance performed. Pertinent details are on file under
RAM	Aircraf	t corpo	ration, P	. 0. Box 5219, Waco, Texas 76708 CRS VAIR551K
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Page No	J A AIR CENTER DuPage Airport/WestChicago, IL. 60185 ~p~1	
	Repair Station #NF28029 AIRFRAME LOG	- 1
DATE	Type CESSNA MECALAA DITTUP 2926 OF WORK PERFORMED - SIGNATURE & CERTIFICATION OF PERSON TO SIGNATURE & CERTIFICATION OF SIGNATURE & CERTIF	ORK
	W # 68151	57111
	S/N 414A0645 REC. HR. METER 2926 Service times to proper pressures	
	Service tires to proper pressures- Serviced tires to prescribed pressures. Mains 70 PSI	
	and 35 PSI for the nose.	
W	Bent LH baggage door hinge-	-
	Removed hinge from left side nose baggage door. Dis-	
()	assembled and straightened, reinstalled and lubricated.	4
£	Door hinge mounts were also straightned. Checked the door	
	and latch for proper operation.	
	Propellers are due for overhaul-	
IL AN AL	Removed the LH propeller P/N 3AF36C514-C, S/N 901903 and RH	
	propeller P/N 3AF36C514-C, S/N 902167 with 1486.7 hours	
	total time and sent to Aircraft Propeller Service for over-	
	haul. Reinstalled the propellers as per McCauley and TCM	
1	service information.	
	The aircraft, engine, appliance, or component identified was	
1	repaired & inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to	- 4
12.	service. Pertinent details of the repair are on file at this	3
4	repair station under W.O. # 3759 Date: 2-20-97	
	Signed: BRUCE P. REBECHINI Succe Tolechium For Joliet Avionics, Inc. DuPage Airport, W. Chicago, IL 60185	
i de la constantina della cons	F.A.A. Approved Repair Station #NF2R029L	4
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1	J.A.AIR CENTER DuPage Airport/West Chicago IL 60185	s - 6
	N6815T 8/22/97 TT:2954 wo#167314	
1	WO#10/314	1 1 1
	Replaced pilot side altimeter with new unit	g1
+		
4	sn/391176. Tested static system and correlation.	4
2	MAINTENANCE RELEASE	* · · · · · · · · · · · · · · · · · · ·
	THE AIRCRAFT, AIRFRAME, ENGINE, APPLIANCE, OR COMPONENT IDENTIFIED WAS	
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGINATIONS OF	1
	THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER	J .
	WORK OF DER NUMBER 167314	
1 2		
	DATE 8-22-97 SISNED Dang Mal FOR	5 5
	JC LET AVIONICS INC.	4
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	West Chicago, IL 60185 FAA Repair Station NF2R029L	
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9-26-97	2957.7	3	3957.7	CERTIFY THAT THIS AIRCRAFT BAS BEEN INSPECTED IN ACCORDANCE WITH
				Annual INSPECTION AND WAS DETERMINED TO BE IN AS-
		4		WORTHY BOADTION THE DATE September 36, 1997
			4	chafenel subusale stight worked Guase luding gras
,				Etting Prefour retraction and extension on pich
,		1		clean and pack wheel bearings - Kextail Left
			i more many many many many many many many many	mein tire- thick light und electrical system
			1	Service battery Tunction test ELTgerqueord batter
				expire chak and frank no 351-10 host installed
				3-95/2-91 pu AD97-01-13 - chick and fubrish flight
				worther - Church wing year engine und engines
				attach futting
		-		fortinent designs of inspection on title this symmetry
				# der work order no. 4547 Date 9-26-97
			6	Simon Miller Miller DAVELORD
				6050 Clinton Road
1				hore blade, inchase 47805
4/41	98 H	OBDS ,	READ	5.3025.4.
/ /			s to people to the second seco	REMOVED BOTH GOVENORS,
				OVERHAULED AND REINSTALLED
y				tanggana j 326362844 AGF.
		s -		
4/	27/98	the Ba	BS RE	105 3031.3
	/		1	MOUSED, OVERHAVIED, AND
(Hypi	1	IC TEST OF OXYGEN BOTTLE
,				R BLOW DOWN BOTTLE AND
			1	D. Taul Jonnes 1 92636284 AV
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7			DuPage West C Test		N#: 68 WO#: porting and Static System(s) in	1702020	
		4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	FAR	91.411 and FAR 91.217.	dix "E" for compliance with	201/	
		v ·			34PA s/N 391176 Ra		
		A	Trar com	Date: 1/ 28/98 _{Model} :		/9310	
				Signature	bug Mall	Inspector	
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		Hobbs: 3	300.8 3,	\$	Cessna 414A N 6815T		
		(SF-2000- Also inst 337 refer	-021-009 D talled N.A cence this	isplay S/N 5846 an .T. AA80-060 Inter	ner Mapping System nd SF-2000-022 Anten rcom S/N 15824. For eight & Balance and	nna). ms	
	The state of the s			MAINTENANCE RE	LEASE		
			THE AIRCRAFT, AIRFRAME, ENGINE, APPLIANCE, OR COMPONENT IDENTIFIED WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER WORK ORDER NUMBER 170112				
		JOLIET AVIONICS INC Charles D. Walling DuPage Airport West Chicago, IL 60185					
				FAA Repair Station NF2R0	C9L		
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J A AIR CENTER DuPage Airport/WestChicago, IL. 60185 Page No. . Repair Station #NF2R029L AIRFRAME LOG TO TI prod**tt** n**3042** where matroamen... Type CESSNA 414A DATE DIGINITURE IS L'ESTIFICATE NO. OF L'EDRON LE PROPERMO N # 6815T SER REC. HR. METER 3103 S/N 414A0645 AIRFRAME INSPECTION (File is provided from providing place) AT THIS TIME THIS AIRCRAFT WAS OPENED, CLEANED, INSPECTED & SERVICED PER CESSNA SERVICE MANUAL FOR AN ANNUAL INSPECTION. ALL FLIGHT CONTROLS WERE CHECKED FOR PROPER TRAVELS. CABLE TENSIONS, CONDITION & LUBRICATED AS REQUIRED. LUBRICATED CONTROL LABYRINTH SEALS. THE ELECTRICAL & LIGHTING SYSTEMS WERE CHECKED FOR PROPER OPERATION & CONDITION. ELECTRICAL DEICE & ANTI-ICE SYSTEMS WERE CHECKED FOR CONDITION & OPER-ATION. SURFACE DEICE SYSTEMS WERE TESTED AND SERVICED AS REQUIRED. SERVICED THE AIRCRAFTR BATTERY. FUNCTIONALLYY TESTED THE ELT AND INSPECTED AS PER FAR91.207d. BATTERY EXP DATE IS AUG OF 2000. THE VACUUM SYSTEM WAS CECKED FOR CONDITION AND SERVICED AS REQUIRED. THE FUEL SYSTEM WAS INSPECTED FOR SECURITY, LEAKS, AND CONDITION. FUEL FILTERS AND SUMPS WERE CLEANED AND SERVICED. THE AIRCRAFT WAS JACKED AND LANDING GEAR WAS CLEANED, LUBRICATRED AND OPERATIONAL CHECKS WERE PERFORMED. HYDRAULIC SYSTEMS WERE INSPECTED FOR CONDITION AND LEAKS AND FILTERS WERE SERVICED AS REQUIRED. THE BRAKE SYSTEM WAS SERVICED AS REQUIRED. BRAKE WAER LIMITS WERE CHECKED. CLEANED, INSPECTED, AND GREASED THE WHEEL BEARINGS. THE PRESSURIZATION SYSTEM WAS TESTED. CLEANED THE OUTFLOW AND SAFETY VALVES. FIRE. BLOWDOWN AND OXYGEN BOTTLES WERE CHECKED FOR SECURITY, CONDITION AND PROPER MARKINGS. EXTERNAL MARKINGS AND PLACARDS WERE CHECKED. THESE ITEMS WERE REPAIRED, REPLACED OR CORRECTED: CONFIRM AD NOTE STATUS-COMPLETED A COMPLETE EQUIPMENT AUDIT CHECKED THE STATUS OF ALL AIRWORTHINESS DIRECTIVES. GENERATED A SIGNED COMPLIANCE LIST AND ATTACHED TO THE AIRCRAFT RECORDS. SAVED A COPY TO A FLOPPY DISK. LH SPINNER RUBBING ON NOSE COWL-INSURED PROPER CLEARANCE UPON REINSTALLATION OF COWLING. RH ENGINE PROP CONTROL NO CUSHION-ADJUSTED RH PROP CONTROL TO OBTAIN REQUIRED CUSHION AND MATCH LH PROP CONTROL. LH ENGINE OUTBOARD NOSE COWL HAS MISSING CAMLOCK AND MULT-IPLE CAMLOCKS WHICH ARE MISSING KEEPERS-INSTALLED NEW STUD P/N S2319-6, INSTALLED FOUR NEW RINGS P/N CM2791-1. LH ENGINE #6 CYLINDER BLAST TUBE CHAFFED THROUGH-SEALED TUBE WITH RTV BEFOR INSTALLATION OF HEAT SHIELD. RH ENGINE EXCESS PLAY IN ROD END FOR PROP GOVERNOR-REMOVED EXISTING ROD END AND INSTALLED NEW P/N S1106-3. CHECKED FOR PROPER RIGGING AND SAFETY. MULTIPLE FROZEN SCREWS IN AIRFRAME INSPECT PANELS-EXTRACTED FROZEN SCREWS AS NEEDED TO GAIN ACCESS FOR INSPEC-TION. ELT BATTERY REPLACEMENT DUE JUNE 1998-INSTALLED NEW ELT BATTERY DATED AUGUST 2000. TESTED UNIT ON SWITCH AND G SWITCH. ONE FUSELAGE BELLY DRAIN SEAL IS TORN-REMOVED OLD DRAIN SEAL AND RIVETED NEW SEAL INTO PLACE. SEVERAL SMALL FIN HOLES IN DEICE BOOTS ON HORIZONTAL STAB, ALSO IN RH WING DEICE BOOTS-PATCHED:PIN-HOLES-IN HORIZONTAL STABILIZER AND RH WING DEICE

BOOT.

J A AIR CENTER DuPage Airport/WestChicago, IL. 60185 Page No. Repair Station #NF2R029L AIRFRAME LOG TO Type CESSNA TT 3062 414A DATE N # 6815T BRK SER REC. HR. METER 3103 S/N 414A0645 CHIP IN LH AND RH WINGLET-REPAIRED USING FIBERGLASS RESIN AND PATCH REPAIR FILLER. AIR CONDITIONING DOOR IS HANGING UP-REMOVED DOOR AND TRIMED, BENT BACK FOLDED ALUMINUM AND IN-STALLED DOOR. PERFORMED OPERATIONAL CHECK, ALL FUNCTIONS FOUND NORMAL. WING FLAP PUSH RODS HEAVILY CORRODED BOTH SIDES-REMOVED CORROSION, PRIMED. REMOVED 4 FUSH RODS (2/SIDE). AND FAINTED ALL 4 RODS. REINSTALLED RODS CHECKED FLAPS FOR PROPER RIGGING AND OPERATION, ALL FUNCTIONS NORMAL. LH OUTBOARD FLAP PUSH ROD HAS BOLT SIEZED IN ROD END-REMOVED ROD FROM ROD END, DISCONNECTED PUSH ROD TO FLAP AND REMOVED BELLCRANK ASSEMBLY. EXTRACTED FROZEN BOLT, CLEANED AND INSPECTED BELLCRANK AND LUBRICATED NEEDLE BEARINGS. RE-INSTALLED BELLCRANK AND SAFETIED PIVOT BOLT. SEE ITEM 200. RH ENGINE OIL TEMP VERY LOW-REMOVED EXISTING PROBE, INSTALLED NEW OIL TEMP PROBE P/N MS28034-3, AND SAFETIED. PROP ANTI-ICE AMMETER INOP-REMOVED GLARE SHIELD AND CHECKED AMMETER CONNECTIONS, FOUND GOOD. REMOVED AMMETER AND BENCH TESTED, FOUND AMMETER OPER-ATIONAL. CLEANED SHUNT CONNECTIONS AND REINSTALLED. CHECKED OPERATION, ALL FUNCTIONS NORMAL. LIP HEAT INOP-TROUBLE SHOT SYSTEM, FOUND TWO DEFECTIVE RELAYS. PARTS ON ORDER. REPAIRED DEFECTIVE CONNECTOR FOR THE LH AND RH LH ENGINE ALTERNATOR NOISE FILTER WIRE BROKEN-REMOVED NOISE FILTER, FOUND ALTERNATOR GROUND TERMINAL LOOSE. SECURED GROUND TERMINAL, FABRICATED, AND INSTALLED NEW LEAD FOR NOISE FILTER, REINSTALLED NOISE FILTER. LH ENGINE ALTERNATOR OUT SENSOR MOUNTING IS BROKE-REMOUNTED ALTERNATOR OUT SENSOR. AUX TEMINAL ON ALTERNATOR IS CHAFFING ON SOMETHING-SHORTEN AUX TERMINAL TO KEEP IT FROM CHAFING ON THE LANDING LIGHT HOUSING IN COWLING. RH NAV LIGHT INOP-INSTALLED NEW LAMP IN RH WING TIP, FUNCTION CHECK NORMAL. LH ENGINE VACUUM PUMP DISCHARGE HOSE KINKED-REPLACED LE VACUUM PUMP DISCHARGE FITTING WITH 90 DEGREE TYPE, TRIMMED HOSE TO FIT. CENTRAL VACUUM SYSTEM FILTER REPLACEMENT-REMOVED EXISTING FILTER ELEMENT AND INSTALLED NEW FILTER P/N AM103535IS. NEXT REPLACEMENT IS DUE BY 500 HOURS AT 3603.5 HOBBS/3562.3 TOTAL TIME OR ON CONDITION. LH ENGINE FUEL FLOW TRANDUCER MOUNT BRACKET BROKEN-PART ON BACKORDER AT FACTORY. TRANSDUCER DETERMINED TO BE SECURE FOR FURTHER FLIGHT. LH WING INBOARD BOTTOM LEADING EDGE PANEL FUEL STAIN-REMOVED STAINS AND RETORQUED ALL PANEL SCREWS. ALLOWED TO STAND OVERNIGHT AND RECHECKED AREA FOR LEAKS, NONE DETECTED. RH AUX FUEL PUMP CASE DRAIN LINE DISCONNECTED AND CAPPED FOUND PORT ON FUEL PUMP NOT USED, NEW STYLE PUMP, DRAIN LINE OBSOLETE. REMOVED UNUSED DRAIN LINE. D2 SYSTEM LEAKING-

COULD NOT LOCATE LEAK, SYSTEM CURRENTLY HOLDING, 1500PSI.

J A AIR CENTER DuPage Airport/WestChicago, IL. 60185 Page No. . Repair Station #NF2R029L AIRFRAME LDG TT 3062 Type CESSNA 414A DATE N # 6815T ORK SE REC. HR. METER 3103 S/N 414A0645 RH PRESSURIZATION DUMP VALVE O-RING MISSING-REMOVED AND DISASSEMBLED DUMP VALVE. REMOVED BROKEN PIECES OF O-RING AND INSTALLED NEW P/N MS28775-228. REASSEMBLED VALVE AND RIGGED. CHECKED CONTROL FOR PROPER OPERATION, ALL FUNCTIONS NORMAL. AIR CONDITIONING OIL AND FILTER CHANGE-DRAINED HYDRAULIC FLUID AND REMOVED FILTER, INSTALLED NEW FILTER P/N 572744. INSTALLED BOWL USING NEW O-RINGS P/N MS 28775-226, SERVICED HYDRAULIC RESEVOIR. NEXT DUE AT 3462.3 HOURS TOTAL TIME/3503.5 HOBBS TIME. RH MAIN TIRE WORN-INSTALLED NEW 650X10 BPLY FSII TIRE ON RH MAIN GEAR. LANDING GEAR ACTUATOR HOSE STIFF, DATED 1980-REMOVE ALL ACTUATOR HOSES IN MAIN AND NOSE GEAR. INSTALL 1 NEW HOSE P/N 350-4-0100. AND 1 NEW HOSE P/N 350-4-0090 DN NOSE GEAR ACTUATOR, NEW HOSE P/N 950012-6-0122 AND 950004-6-00100 ON BOTH LH AND RH MAIN LANDING GEAR ACTUATORS. PERFORMED RETRACTION TEST, ALL FUNCTIONS FOUND NORMAL AND NO LEAKS DETECTED. GEAR WELL BRAKE HOSES NOT DATED, RECOMMEND REPLACEMENT-REMOVED OLD HOSES, INSTALLED 1 NEW HOSE P/N S1167-4-0520 ON RH AND LH MAIN GEAR. BLED BRAKES, INSPECTED FOR LEAKS, NO LEAKS DETECTED. EVIDENCE OF HYDRAULIC FLUID LEAKING AT RESERVOIR SIGHT GLASS PLASTIC TUBE-SECURED CLAMPS, CLEANED AREA, CHECKED FOR LEAKS, NONE DETECTED. HYDRAULIC SYSTEM FILTER REPLACEMENT-INSTALLED NEW HUDRAULIC FILTERS IN RH AND LH SIDES P/N 572760, WITH NEW O-RINGS. NEXT REPLACEMENT DUE AT 3420. 9 HOURS TOTAL TIME/3503.5 HOBBS TIME. LH ENGINE #6 CYLINDER EXHAUST HEAT SHIELD BREAKING UP-STOP DRILLED CRACK. LH ENGINE AFT INBOARD EXHAUST ELBOW SUPPORT CLAMP OFF-PUT CLAMP INTO PROPER POSITION AND TIGHTEN. LEFT ENGINE INBOARD REAR EXHAUST RISER DISTORTED-INSTALLED NEW RISERS P/ K9910295-14, S/N 57097 ON RH BANK OF LH ENGINE. SLIP JOINT FOR LH ENGINE, RIGHT EXHAUST BANK IS FROZEN-DISASSEMBLED SLIP JOINT, CLEANED AND INSPECTED, LUBED WITH ANTISEIZE AND REINSTALLED. LH ENGINE HAS CRACK IN LH EXHAUST BANK-INSTALLED NEW KNISLEY EXHAUST ASSEMBLY ON LH BANK OF LH ENGINE. P/N K9910295-13, S/N 56914. SLIP JOINT FOR LH ENGINE, LH EXHAUST BANK IS FROZEN-REMOVED AND SENT SLIP JOINT TO DAWLY FOR REPAIR. INSTALLED REPAIRED SLIP JOINT. RH EXHAUST COLLECTOR OFF OF CYLINDER #1 IS DISTORTED-INSTALLED NEW KNISLEY EXHAUST ASSEMBLY P/N K9910295-14. S/N 59757. RH WASE GATE TAIL PIPE IS CHAFFED FROM THE ACCESS PANEL -RELIEVED SCOOP AREA THAT WOULD CONTACT TAIL PIPE. RH EXHAUST CLAMP AFT OF SLIP JOINT IS LOOSE-TIGHTEN CLAMP IN PROPER POSITION. SLIP JOINT ON RH ENGINE EXHAUST BANK IS FROZEN-SENT SLIP JOINT TO DANLEY FOR REPAIRS. REINSTALLED REPAIRED

SLIP JOINT.

Page No.	J A AIR CENTER DuPage Airport/West Repair Station #NF2R029L Type CESSNA 414A N # 6815T S/N 414A0645	AIRFRAME LOG	VORK
	NOT DUE AT THIS TIME. NEXT DUE BY 3162.1 HORBS TIME.	FILTER REPLACEMENT-	
	AD96-20-07 JANITROL HEATER- NOT DUE AT THIS TIME. NEXT INSPECT HEATER METER OR 9 OF 98. AD95-09-13 FUEL INLET VALVES- NEXT INSPECTION IS REQUIRED BY 3408		
	HOBBS TIME. AD98-04-28 ICING CONDITIONS- COMPLIED WITH AD BY INCORPORATING A THE AIRCRAFT FLIGHT MANUAL.		
	AD97-26-16 ENGINE MOUNT BEAMS- NOT DUE AT THIS TIME. SK414-19 KIT RADIOGRAPHIC INSPECTION DUE AT TACH HOBBS 10217.2 HOURS.		
	MAGNETO 500 HOUR INSPECTION- NOT DUE AT THIS TIME. ALL 4 MAGNET SPECTION AT 3284 TACH TIME/3242.8 H FLIGHT TEST AND FINAL ADJUSTMENTS FLIGHT TESTED THE AIRCRAFT AND CHEC	HOURS HOBBS.	
	OPERATION. CORRECTED THE RH ENGINE THE COOLENT SYSTEM. I CERTIFY THAT THIS HICELAFT WAS RE IN ACCORDANCE WITH AN ANUUAL INSPE	E FEATHERING. RECHECKED EPAIRED AND/OR INSPECTED CTION AND IS APPROVED FOR	
	RETURN TO SERVICE. PERTINENT DETAIL REPAIR STATION UNDER W.O.# 5150 J.A. AIR CENTER, DUPAGE AIRPORT, WE FAA APPROVED REPAIR STATION #NF2ROX	DATE 7-15-98 EST CHICAGO,IL 60185	
	* Suce Tobleding BRUCE P. REBECHINI INSPECTOR	ù	
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NEWS CHEAVES. HEATER FUEL STEA WER CLEANES! HEATER FUEL

CO FOLGONISTAL CONDITION TUTESTOR SEAT DECTS ATRACES CED DE

1-22-99 HOLDS 3311.B MEFT. TT. 15 3214.7 NUMBERS CHANGED AVE TO HOLDS RULLING while ACFT ON JACKS
FOR MINITENATIONS. TIMES MAJUSTED SO. 1 Ars. ACCORDINGLY.

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
4-23-99	AFT 3275.2	R-1001-8	Hobbs New	THIS DATE "O" TOTALS brought forward from previous page
HEATER HO	065 SOB.	a Iuspė	JES ACE	- ITATION CESSUA PROGRESSINE CARE PROGRAM
	OPERATIO	w #4 i	THE TH	APPROVED CHECKUST. TAIL POSITION LIGHT REPAIRES
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34	ALE COUN	MONING	Réservois	SERVICES. BRAKE RESERVOIRS SERVICES . BATTERY
4	zervices	ETRAT	OUE 8	-00 JE FAR 91. 207(1). AILELON CARLE TENSIONECIOSON
	Hystauce	K 54576M	CLOSOK. 6	HENGINE FUELFLOW TRANSDUCER BLACKET REMAKES
	DUE TO (PACK NC	RHSP	NUEL BULKHEND REPULCED QUE TO CRACK. LA ENGINE
	INNER	SCIPSOI	UT RAM	PIN INSTANCED 1001-3 PER STC 5AYBISW
201	SEE FAA	FORM 33	7 THIS DA	TE FOLDETAKS. AN'S CLOTHEOUGH ISSUE 99-08.
AD	95-09-17	(6-14-95)	FUELINE	ET FLOAT WALLE EACHGOOMES OUE 127.0
AA.	97-26-10	(2-2-98)	EUCINE A	NOUNT BEAMINSO ME 85-3 EAGEOWAYS QUE 6901.0
				MOUNTION FICTOR REPLACE CHR EACH SOOHIS DIE 388.0
AA	96-20-0	1 (11-14-0	16) JAN.	RERO Preses witch bELAYTST TYMOS HTROPS SUE 401
02/	برطم عر	E 4-03	Hyd Both	e Hydro DUE 4-03 HAND FIRE EXT. QUE 4-00
N. T. P. A. DOG N.		× ×		DATE 4-23-99 TACH Hobbs "O"
	- Con	UNIVERSIT	*	I CERTIFY THAT THIS AIRCRAFT ENGINE HAS
	AVIATIO	N SERVICE	5	BEEN INSPECTED IN ACCORDANCE WITH A PAGE TYINSPECTION AND WAS DETERMINED
	ROMEO	VILLE, ILLI	NOIS 604	SIGNED STATE TO BE IN AIRWORTHY CONDITION.
		* . ***		· ·
10/11/99	Hobbs 58	P	PROVED AS	REPLACED LEFT LANDING LIGHT MOTOR AND
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	Description	n of work done:	Dul	J.A. AIR CENTER Page Airport • West Chicago, IL 60185 FAA Repair Station #NF2R029L AIRFRAME LOG ENTRY	Type C 414 S/N 414A 0645 N# 6815T
		in a	ccordance v	er(s), Altitude Reporting and Static with Part 43, Appendix E for comp I FAR 91.217.	: System(s)
	Pi			h	Range 30K
	Copi	ilot Altimete	er P/N_59	34PAD-1S/N_V5116F	Range 30K
				sted in accordance with Part 43, A with FAR 91.413 this date.	ppendix F
	Da	te1/27	/00 Make	ARC Model RT -459	A s/N 9645/9310
	Federal	Aviation Agency at	nd is approved for	MAINTENANCE RELEASE omponent identified was repaired and inspected in according return to service. Pertinent details of the repair are on file Tach Hobbs 104 Signature	dance with current regulations of the eat this repair station under
	- individual graphs of the state		kody, semi	/	Doug Mall
4-20-00	1/225	13/0	- 340	L HENTEN HOSBS 572.4	
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	TURNBUCK	WES , 0~0 1	OIN LEADS	INSO. FOR CONDITION AND TO	ENSION. INSP. 1216HT CONTRIS
	FOR CON.	1 5 5 7	- F		US LANDING LIGHT ATTACK POINTS
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Page No. TOTAL TIME TACH OR RECORDING METER TIME TOTAL DESCRIPTION OF WORK PERFORMED-DATE SINCE OVERHAUL SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK SERVICE TOTALS brought forward from previous page 8/12/2000 Cessna 414 N6815T Recovered interior components with the following materials, Seats: Leather, Dalwhinnie, D/L 22410 Sidepanels: Leather, Dalwhinnie, D/L 22410, Fabric, J30 Crayons Carpeting: Ashton Sand Curtains: Eurostretch 0112 Foam: Chestnut Ridge Foam Headliner: N/A Baggage Comp.: Grospoint Grey Seatbelts: Re-webbed by Safety, LTD., conforms to TSO-C22F All materials burn tested in accordance with FAR 25.853 (a) Appendix F Part I (a) (1) (ii), see burn tests included with logbooks. Williams Aviation Inc. Eagle River Airport, Eagle River WI Barrett Williams AP388722362 Bary mile Installed overhouled vacuum pamp 10/11/00 with new accessory pad seal, on 1ft engine, test run of kind MAINTENANCE RECORD ENTRY NOVEMBER 3, 2000 N6815T CESSNA 414A-0645 COMPLETE EXTERIOR STRIP AND REFINISH PER U.S. PAINT ALUMIGRIP AND JET GLO SPECIFICATIONS. CONTROL SURFACE BALANCE AND REINSTALLATION PER CESSNA SERVICE MANUAL. PLACARDS INSTALLED. TENDER YELLOW **UB640** 4125 SAND HR10706 LAGOON 99U **BLACK** TAN (JAMBS) 1356 A&P322286320 SUB-TOTALS this page TOTALS-Carry forward to next page

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1/11/00	Hobb	5: 15%	9	Installed new Starting Vibrator, part no. 10-357487-242, test run
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HM Dec	ssure line - tall new proservice.	0 2000 following re — check val p deice tim	ives for deid	igged right prop control; replaced left and right engine vacuum pump ce boots and check operation; rewired right prop deice at engine and wiring at left engine landing light and lip boots. This aircraft returned
	ter County Ai I Murvihill K			
	paraiso, IN 4 -462-8781	16383		Same & Bre
	402-0701			Lawrence F. Bub, A&P/IA 1513912
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	<u> </u>	Gary	Jet (Center
5	D	ate: January	, 02 2001	HM:200.7 N6815T 99-1 Oxygen fill valve.
2		Daniel Paniel Hinsch P308767051	l 4 n	isila
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J A AIR CENTER DuPage Airport/WestChicago, IL. 60185 P. 4. NG WORK Repair Station #NF2R029L AIRFRAME LOG Type GESSNA 414A TOTALS brought (J.Tvari3482 previous page) N # 6815T S/N 414A0645 REC. HR. METER DYNAMICALLY BALANCED THE LH McCAULEY PROPELLER AS PER CHADWICK HELMUITH SMOOTH PROPELLER MANUAL AND McCAULEY SL 1989-4C FROM .5 IPS TO .07 IPS. DYNAMICALLY BALANCED THE RH MCCAULEY PROPELLER AS PER CHADWICK RELMUTH SMOOTH PROPELLER MANUAL AND MCCAULEY SL 1989-40 FROM 1.5 IPS TO .05 IPS. PROPELLER SYNC SYSTEM INOP-TESTED THE SYNC SYSTEM. FOUND THE LH AND RH GOVERNOR SPEED PICKUPS AND COILS OUT OF SPEC. REMOVED THE LH AND RH GOVERNORS LH P/N DCFS290D9/T3, S/N 920001 AND RH P/N DCFS290D9/T3, S/N 810557 AND SENT TO AIRCRAFT PROPELLER FOR BENCH TEST AND SETUR. REINSTALLED THE GOVERNORS AND TESTED THE SYSTEM. LH CAPTURED THE RH SIDE BUT RH WOULD NOT CAPTURE THE LM. RETESTED THE AIRCRAFT WIRING AND FOUND THE TP3 WIRE HAD A GROUND HAULT. ISOLATED THE WIRE AND FOUND THE SHIELD SHORTED TO THE CENTER CONDUCTOR. INSTALLED A NEW WIRE FROM THE GOVERNOR TO CONTROL BOX UNDER THE PANEL. REASSEMBLED AND TESTED WITH AN OSCILLOSCOPE AND VERIFIED SIGINAL. TESTED FOR PROPER OPERATION. RH DE-ICE BODTS ARE PARTIALLY INFLATE IN FLIGHT-TESTED THE DEICER SYSTEM. ISOLATED THE PROBLEM TO THE RH SEQUENCE CONTROL VALVE, REMOVED THE VALVE P/N 3D2352-01, S/N B\$01014 AND SENT TO B&S AIRCRAFT FOR REPAIR AND OVERHAUL REINSTALLED THE VALVE AND TESTED THE SYSTEM FOR PROPER OPERATION. REPAIRED A LEAKING RH OUTBOARD BOOT HOSE. NOSE WHEEL BEARING MAKING NOISE-REMOVED NOSEWHEEL. FOUND BOTH RACES AND BEARINGS WERE CORRODED. REPLACED RACES P/N LM29710 AND BEARINGS P/N LM29749. GREASED AND REINSTALLED THE WHEEL. SERVICE NOSE STRUT WITH NITROGEN-SERVICED NOSE TIRE WITH NITROGEN. THE AIRCRAFT, ENGINE, APPLIANCE, OR COMPONENT IDENTIFIED WAS REPAIRED & INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER W.O. # 8887 DATE: 92-22/01 SIGNED: BRUCE P. REBECHINI For heun J.A. AIR CENTER, DUPAGE AIRPORT, F.A.A. APPROVED REPAIR STATION #NF2R029L SUM-TOTALS this paul TOTALS—Carry forward to next page

ATE TIME		TOTAL TIME SINCE VERHAUL	TACH OR ECORDING METER TIME	DESCRIPTION OF WORK PERFO SIGNATURE & CERTIFICATE NO. OF PERSON P		OF PERSON PE		ORK		
				Burlington A 3 Airport Road Bur (262) 763-3544 fax	lington, WI. 5310 (262) 763-2910)5				1,100
	Date 7/9/2001		Air	craft Mainte	nance Reco	rd	Reg. Nur N6815		-	
Aircraft Serial Number		Make Cessna				Model 414AW		-		
414A-0645 Total Time Aircraft Landings 3539.50		L. Eng. TTSN L. Eng. TTS0			L. Tot Cyc. SOH		L. Prop. TTSOH			
Tach Hobbs 264.3		R. Eng. TTSN	R. Eng. TTSOH	R. Eng. TTSHSI	R. Tot Cyc. SOH	R. Prop. TTSN	R. Prop. TTSOH			
				frame Mainten						
	and bearing			accordance with an	Annual Inspection		mined to be in ai	rworthy		
Repai Type N # 6 S/N 4 BRO REPLA	r Stat CESSNA 815T 14A064 KEN ST ACED BR	ion # 15 ATIC ROKEN	WICK RH	OUTER WIN	AIRFR TT 3 REC. NG- DG16305.	AME LOG		1		
RH IN	BOARD URIZED	BOOTS THE	BOOTS A	MOVE MOIS ND MARKED	TURE FROM ALL HOLE	THE SYS	CUATED TH			
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Authorized Signature

Telephone: (219) 922-2632 • 800-247-7070



RAM Aircraft, Limited Partnership • Waco Regional Airport

Airframe Total Time: 3593.0 Hour Meter: 317.8

Date: 06-06-02

Cessna 414A0645 N6815T

On above referenced aircraft, Installed RAM overhauled TSIOL-550-A engines S/N L-800533 and R-800587and overhauled McCauley propellers S/N 901903 and 902167. Slick pressurized magnetos P/N 6320 installed per STC SA7633SW. C/W AD 2000-01-16, para. (g) by removal of the exhaust system from the slip joints aft. Re-installed existing RAM/FAA/PMA stainless steel exhaust slip joints P/N 1001-3 on left and right engines I/A/W STC SA7633SW. Inspected and re-installed left and right engine left exhaust elbows P/N 9910377-1, and right exhaust elbow P/N 9910377-2. Inspected and re-installed elbow to wye clamps P/N NH1000897-60. Inspected and re-installed left and right turbo wye P/N 1967-1. Inspected and re-installed left and right wye to wastegate elbow P/N 1967-3. Inspected and re-installed left and right wastegate overboard tailpipes P/N 1967-7. Inspected and re-installed wye to wastegate elbow clamps P/N NH1009109-10. Inspected and re-installed left overboard tailpipe P/N 9910299-1. Installed new right overboard tailpipe P/N HWS340414-20, S/N 245. Inspected and re-installed overboard tailpipe clamps P/N NH1000897-50. Replaced left and right wastegate and valve assy's. Installed new RAM turbochargers P/N 2059-1, left S/N FAL1688, right S/N DFL13133. 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 within 5 years on right tailpipe and each 12 calendar months on left tailpipe. 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 V-band clamps installed. Installed re-marked tachometer, manifold pressure gauge, airspeed indicators, 3-in-1 gauges, coolant pressure and cylinder head temperature 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, oil, hydraulic and coolant hoses meeting TSO-C53A Type D and TSO-C75 Type III on each engine. Installed wing stringer doublers and increased zero fuel weight to 6515 lbs I/A/W STC SA4943SW, Rev. 7 Flight manual Supplement AFMS 1026 furnished. Installed new co-pilot windshield P/N 5111604-202. Installed new co-pilot side window P/N 5111605-4. Installed new left and right cowl light lens P/N 1317-29 and 1317-30. overhauled prop de-ice meter P/N C662503-0101RX, S/N 01E475. Installed new left fuel tank forward Installed new pressurization air ducts in wings P/N CM3211-10B38.0. pressurization outflow and safety valves. Installed new elevator trim control placard P/N 1394-15. 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 vacuum pump cooling shroud on left and right engine vacuum pumps per STC SA7633SW. Installed RAM vortex generators on wing and vertical fin and strakes on outboard nacelles and on fuselage per Dwg. 1536, Rev. E, dated 6/16/94 with Flight Manual Supplement AFMS 1026 furnished with change in airspeed markings; I/A/W STC SA8204SW. Negligible weight and balance change. Aircraft is airworthy and is approved for return to service for engine run-in procedures and modifications performed. Pertinent details on file under project no. 131.

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

Total Time: 3598.6
Hour Meter: 323.4
Date: 06-07-02

Aircraft test flights complete under project no. 131 and aircraft is airworthy and approved for return to service.

ATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME		OF WORK PERFORMED— E NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from pro	evious page
	Description of	work done:	FA	J.A. AIR CENTER te Airport • West Chicago, IL 60185 AA Repair Station #NF2R029L AIRFRAME LOG ENTRY	Type Cessna 414A S/N_ 414A0645 N# 6815T
	R	Removed two	(2) Narco	AR-850 Encoders (S/N 57740 and	i S/N 39227).
	A	nstalled A K-350 #2 E tion.	meri-King Al ncoder S/N	K-350 #1 Encoder S/N 48208 and 48207. Form 337 references th	l Ameri-King nis install-
	N	lo change to	o Weight & 1	Balance.	
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	Description	o of work done:	DuP	J.A. AIR CENTER Page Airport • West Chicago, IL 60185 FAA Repair Station #NF2R029L	C414A Type S/N 414A0645
	Description	n of work done:	DuP	J.A. AIR CENTER Page Airport • West Chicago, IL 60185	C414A
	Description	Test in a	ted Altimeter	J.A. AIR CENTER Page Airport • West Chicago, IL 60185 FAA Repair Station #NF2R029L AIRFRAME LOG ENTRY r(s), Altitude Reporting and Station the Part 43, Appendix E for com-	C414A Type s/N 414A0645 N# 6815T tic System(s)
		Test in a FAR	ted Altimeter ccordance w R 91.411 and	J.A. AIR CENTER Page Airport • West Chicago, IL 60185 FAA Repair Station #NF2R029L AIRFRAME LOG ENTRY r(s), Altitude Reporting and Station the Part 43, Appendix E for com-	C414A Type s/N 414A0645 N# 6815T tic System(s)
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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
11/1/00	Itables 30	54.5	h	Removed N.L.Co. Loner Strat tube
				Arsy. Installed men orings I ven
			,	Bearing Ph 0841200-60 (See Attached hig).
	· · · · · · · · · · · · ·		1	Installed strut ASY As per Cessia
-				Service runal Serviced strut of 5
			4	V Good.
		a a		(site 1) for And 35-7 72 8427
	4 4			For Bruhy Enterprises w/o #15
1/2-8/03	3668.9		393.7	re-scaled all fuel tank access
		1	443.7	panels, installed new seals in
	Hobbs a	xcerden	taly	pose strut, serviced with
		ted X		nitragen and 5606, installed
	1403. VI	thite or	jacks	new nose gear door bracketts.
				painted bracketts and noice
				gear for, touched up wets
				on nose grar door installed
				New bulb for prop sync. indicater
(light Tours man. HP 35072236
31	Airfra	me	NOR	THERN AIR
		BOOK ENTR' Make: Cess al Time: 3678 A total of 2	na .7	Dated: 03/17/03 N 6815T Model: 414A SN: 414A0645 Hobbs time 476.0 e ran up on the Hobbs meter while the aircraft was on jacks.
	Perfor	rmed an Annu	al inspection o	on this airframe per the Cessna 414A series service manual
	bat	ttery which ex	pires April of 2	and operational checks per FAR 91.207(d). Installed a new ELT 005. installed an overhauled unit p/n 22A667, serial AT-14537.
	Comp AD20	lied with AD2 01-17-13 was	001-17-13 by p previously con	performing a of visual inspection of exhaust system per part b. Inplied with per the instructions listed in part (1) of AD2001-08-01.
	Repla Rigge	ced vacuum r d Aileron trim	egulator filters, tab and adjust	, and central gyro filter. Torqued and safety hardware as needed. ed left and right travel stops.
	Adjust	ted rudder cal	ole tension.	and cleaned and rigged valve
	Adjust	ted flap return	and extend ca to-pilot servo c	ble tensions for both wings, follow-up cable, and pointer

Re-sealed lower vertical stabilizer de-ice boot.
Resealed banjo fitting on air conditioning pressure valve forward of wing locker.
Left temperature control cable installed new, and rigged. Cable P/N 5117239-61

Safetied rudder stop bolts as required.

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				
		Replaced left Installed new of Sent oxygen by Complet oxygen sys Sent emergen Aero Syste spec per m	engine de-ice block emergency exit doo ottle P/N 616601-0 te Vessel Care CRS tem to 1850psi. cy gear bottle P/N 9 ms, inc. CRS# YN aintenance manual	or handle cover and placard. 083, S/N 1358X for hydrostatic check. Hydrostatic check performed S# VUPR187Y WO# 2187(1). Reinstalled bottle and serviced				
		was determined W/O# DATED:	I certify that this aird to be in airworthy co 37909 03/17/03	craft has been inspected in accordance with an Annual Inspecton and inditionon this date. Pertinent details on file at this agency under; Signed: for B1R812N, GERALD R, FORD INT'L AIRPORT, GRR, MI. 49512				
	DATE:4/2 N# 6815T MODEL:4 S/N:414A	14A	ACTT:UNKNO HOBBS:492.6					
	REMOVED RIGHT VACUM PUMP P/N 442CW, S/N 5AK406. INSTALLED OVERHAULED VACUM PUMP P/N 442CW, S/N 105587. BLEW OUT VACUM LINES AND CHANGED VACUM RELIEF FILTER. GROUND RAN FOR OPERATIONAL CHECK. OK FOR RETURN TO SERVICE.							
	_ 3606 Madi	Consin Aviation Conson, WI 537 268-5003		☐ Wisconsin Aviation - Watertown _ 1741 River Drive Watertown, WI 53094 920-261-4567				
	Certifie #1 & # #1 & # complie	3-13-6 ed Altimet #2, Static #2, I.A.W. es with pa	<u>93</u> REPA ers #1 & #2 Systems #1 91.411 & 91					
		0 m		SUB-TOTALS this page TOTALS—Carry forward to next page				

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			e V	TOTALS brought forward from previous page
	MFG Ces A/C RE REALL AFTER ALL AS AS REG	GN 6815T ALIGNED SERVICE SOCIATED BUIRED BY	ALP COM WAS PERFO SYSTEMS FAR 43.1	MAYDAY AVIONICS INC. HOBBS 476.0 -0045 SO#38983 POUTER REINSTAILED + RMED THIS SYSTEM AND WERE GROUND TESTED 3 AND THE AIRCRAFT ETURN TO SERVICE.
	100	IT5R947M	***************************************	DATE 3/17/3
	— MFG A/C A/C PA — AFTE ALL AS I	REGN681 THE AU 495A-1 ER SERVIC ASSOCIAT REQUIRED BEEN APF U U	MDL 4/ ST S/N4/ 1 TS200: SN824 E WAS PER ED SYSTEM BY FAR 43 ROVED FOR	MAYDAY AVIONICS INC. 4A HOBBS 476.0 14A-0645 SO# 38983 -2B SN.189 AND ARC 9. OPS CHECKED GOOD. REFORMED THIS SYSTEM AND IS WERE GROUND TESTED 8.13 AND THE AIRCRAFT R RETURN TO SERVICE. DATE 3-7-03
	MFG_A/C — Lg — AFTE	REG <u>N6815</u> R SERVICE	MDL 64 T S/N 4/ KY 196 WAS PERI	MAYDAY AVIONICS INC. 3/4A HOBBS 476.0 444-0645 SO# 38983 COMIN SIN \$3762 FORMED THIS SYSTEM AND
	AS R HAS CRS	EQUIRED E BEEN APPE WM - 970 # IT5R947	ROVED FOR	
	MFG A/C AFT ALL AS	REGNESSIA REGNESSIALLE RCUIT ER SERVIO ASSOCIA REQUIRED BEEN API	MDL 4/ ST S/N4 BREAKE CE WAS PEI TED SYSTEI BY FAR 4 PROVED FO	MAYDAY AVIONICS INC. 14A HOBBS 476.0 114A-0645 SO# 38983 W YAW DAMPNER R. DRS CHECKED G-000. REFORMED THIS SYSTEM AND MS WERE GROUND TESTED 3.13 AND THE AIRCRAFT R RETURN TO SERVICE.
	cres	# 115R9	47M	DATE 3-7-03 LOGBOOK ENTRY MAYDAY AVIONICS INC. MFGCOSDA MDLC414A HOBBS 503.7 A/C REGNIGIST S/N 414A 0645 SOFFECT HOSOFFSET REPAIRED A/P COMP. TO CONCER HOSOFFSET WE BANK Angles CDD Val Good AFTER SERVICE WAS PERFORMED THIS SYSTEM AND ALL ASSOCIATED SYSTEMS WERE GROUND TESTED AS REQUIRED BY FAR 43.13 AND THE AIRCRAFT HAS BEEN APPROVED FOR RETURN TO SERVICE. DATE 5/23/3