## N6822U 1982 Cessna 414A

## Airframe Logbook #2 of 4 1996 - 2003

MSN: 414A-0808



Prepared by the worldwide aviation specialists at RidgeAire, Inc.

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44 Log Log.

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THE PROPERTY OF

## Aircraft Record General Information

	Model <i>4/4/</i> 4	<del>138</del> 1
	Registration Number	N68124
1981		
Model	Ser	ial
Model	Ser	ial
	Model	
Serial	Sec	rial
Serial	Serial	Serial
Serial	Serial	Serial
	198  Model Serial	Model  Registration Number    198

DATE 19	RECORDING . TACH TIME	TG@AYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8/15/94	4679.2	m.H.	Installed	Stringer Doubler Per RAM Drawing No. 1135
, ,		Re	1. 6 +	Spar Fitting Rivits Per RAM Orawing No.
		113	7 Rev.	B I/A/W STC No. SA4943SW Rev. 7 -
				RAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE AS REPAIRED AND INSPECTED IN ACCORDANCE WITH
				OF THE FEDERAL AVIATION ADMINISTRATION AND IS
	APP	ROVED 1	FOR RETURN	TO SERVICE. PERTINENT DETAILS OF THE REPAIRS
				REPAIR STATION.
	WORI	K ORDE	R# 3410	DATE 8/15/96 SIGNED Patrick Und
	NOK	TH STAI	K AVIATION	, inc.
	MANI	KATO, I	MN 56001	FAA CRS# NUTR521L
9-3-96	4680.2	MH.		
-	replace	di	ening	+ 1 rad PN 5111527-2 sping + 57 11166-5 rod soit actuals, replaced As ind with
	in coli	~ do	n steps o	soit actualor, respaced As ind with
	C6 6104	0-0	lon Pos	5/ 6599: untalled romer sugals
	A409T-	CF-M	-15/8 S/N	90179, (see 337 dated 8-23-96, Jin fail y & new lang asy A500,
	egnita	~ la	mpar	y + new lang asy A500,
	V			tron
© 1991 ASA				

DATE 19_96	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alentries must be endorsed with Name, Rating and Certificate Name, Technician or Repair Facility. (See back pages for other specific	Jumber of
	46802	nt			
					-
	CURRENT	REGUL D FOR	LOW WAS F ATIONS OF RETURN TO	, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE REPAIRED AND INSPECTED IN ACCORDANCE WITH THE FEDERAL AVIATION ADMINISTRATION AND IS SERVICE. PERTINENT DETAILS OF THE REPAIRS SPAIR STATION.	
		TAR AV	IATION, I	DATE 9-3-96 SIGNED fin Engelnace	
	MANKATO	), MN 5	66001	FAA CRS# NUTR521L	
1996					
19/25	4692.7	Habl	43		
-[	RARA		devata	Joann 4 bolance Tow 414 mainte	nave
	man	10	Same	e oxygen system to limits.	
	THE AIRCRAF	T. AND/OR	COMPONENT I	DENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO	
	SERVICE. PE	RTINENT D	ETAILS OF THE	REPAIR ARE ON FILE AT THIS REPAIR STATION.	
	- w.o.#_35	_		WE IN SERVICE	
		•	ALBORAST AL	FOR NORTH STAR AVIATION FAA CRS #NUTR521L	
	- I CERTIFY	INAL INE	AIRCRAFT AI	INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	© 1991 AS
	SIGNED			FOR NORTH STAR AVIATION FAA CRS #NUTR521L	<u> </u>

	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alto Entries must be endorsed with Name, Rating and Certificate Nu Technician or Repair Facility. (See back pages for other specific	mber of
10/31/54	Hobb	5 46	72.7	Replaced Comb blown brushes A	heake
Sips	WITH CUI SERVICE W.O. # SIGNED	RRENT REI PERTINEI	GULATIONS OF NT DETAILS OF	ENT IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO THE REPAIR ARE ON FILE AT THIS REPAIR STATION.  LETIME IN SERVICE 4/692.7 DATE 3/5/  FOR NORTH STAR AVIATION FAA CRS #NUTR521  T AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN	o
	SIGNED_		AIRCRAF	INSPECTION AND WAS DETERMINED TO BE IN ARTWORTHY CONDITION FOR NORTH STAR AVIATION FAA CRS #NUTR521I	l. ————————————————————————————————————
W.O.	# 36 )	NT DETAIL	PONENT IDENT IS OF THE FEDE IS OF THE REPA TOTAL TIME IN	IFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE RAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO LIR ARE ON FILE AT THIS REPAIR STATION.	

DATE 19 9 6	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11/27	4710.6 Pla 7 por	Hole core	led Ri	Leng prof de ue mas "placed
	WIGH CURRENT SERVICE. PERTI W.O. # 369 SIGNED June	REGULATION DET	ONS OF THE FED AILS OF THE REI	TIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE DERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO PAIR ARE ON FILE AT THIS REPAIR STATION  IN SERVICE 4710.6 DATE 1127/96  FOR NORTH STAR AVIATION FAA CRS #NUTR521L  OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN
,	SIGNED	À H		FOR NORTH STAR AVIATION FAA CRS #NUTR521L
1200	SO Ar In	in In	SPITA	of he Irsp Itans, Heater press decay,
(de-1 14 y 3 year	ew Iter	English 15	400 hr/1	year Items, 2 year Items, 3 year, Items partment fire Ext. System), 5 year Items year Items, 600 hr/1 year Items, 1000 hr hour Items, C/W Type A" Cabin Insp Crant. Next Dage) 01991 ASM

DATE	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of
19	TIME		SERVICE	Technician or Repair Facility. (See back pages for other specific entries.)
Compli	ed wit	4 74	pe B	wing Insp, ELT Insp per 91,2070,
Replace	ed Cab	in F	ic ex	to with New me, Complied with
wing	spar 1	106	Insp. 1	replaced Cabin Entrance suppor Hatch
Extend	or str.	ct P	185311	Replaced Cabin Entrance suppor Hatch 330-5, Replaced Left Took Baggagg Door
Extend	e-stru	+ P/0	152113	49-11, Repaired Broken wires on Lest
Prop 1	e-ice	, Re	placed	Prop de-ice timer P/N P07257502
S/N9	6/10/28	10,6	e post fil	nel Left and Right Eng mount isolators
				rel pin holes in all De-ice boots.
				De-ice Brush Block gap, Replaced
				tch on Cabin Heat = P/WX42D34,
				Exhaust Sense Line" Tube, Adjustal,
				ension, C/W AD 94-20-07 Janlfrollfeat
,, ,			_ //	ggoge doo Extender AN 5311330-5.
		AFT, AND/C	OR COMPONENT	IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO
	SERVICE P	PERTINENT	DETAILS OF TH	E REPAIR ARE ON FILE AT THIS REPAIR STATION.
	— WO # — SIGNED ✓	Zana	TOTAL	TIME IN SERVICE 4 111.0 DATE 12/4/96
		THAT TH	E AIRCDAET A	FOR NORTH STAR AVIATION FAA CRS #NUTR521L
€ 1991 ASA	progre	55,00°	ops#	IND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	HE AIRCRAFT, A		MPONENT IDEN	TIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE ERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO PAIR ARE ON FILE AT/THIS REPAIR STATION.
v	vo.#_36			N SERVICE DATE 12/11/96  FOR NORTH STAR AVIATION FAA CRS #NUTR521L
17/13/96	4714.	900c	Replace P/NG	Hydra-lie pressure switch. Lak, ops.
	—— WITH CUR	KRENI KEG	TOTA	TIDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE HE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO HE REPAIR ARE ON FILE AT THIS REPAIR STATION  LIME IN SERVICE 4714.8 DATE 12-13-96
	1 / 1	FY THAT	IN AIRCRAFT	AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN
	SIGNED			FOR NOTATION FAA CRS #NUTRS21L

DATE 19 <u>96</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12/19/9	Hobbs	47	89-K	glaced Cabin press. Duct Lest side
between	2 Vente	wi a	& Heat	Exchanger PINCM3211-10B38.0 and
Replac	ed La	mps	in see	at belt light in pass. Cabin. Clenel
	fs an	Rt. F	Prop De	ice Ammeta
	THE AIRCRAF	T, AND/OR	COMPONENT I	DENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO
	wo#36			ME IN SERVICE 4718, 8. DATE 12/19/96
	SIGNED C	m	Nouve	FOR NORTH STAR AVIATION FAA CRS #NUTR521L
1/16/97	10tal 7	me	A/F 47	33,3 - Replaced FLt. hour meter with
Now (	MAGA	6-1,	NOW K	each 9000.0. Rik Manifold press, ind.
For Re	mark	and	Readh	erel inbut Edge or Lt. prop Deice Books.
	THE AIRCRA WITH CURRE SERVICE PE	IN I REGUL	ATIONS OF THE	DENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE
	wo.#3	720		REPAIR ARE ON FILE AT THIS REPAIR STATION.  MEJN SERVICE 4733.3  DATE 1/16/97
	SIGNED &	Bune	Nous	FOR NORTH STAR AVIATION FAA CRS #NUTR521L
				TOTAL
 1 1991 A' <sub>A</sub> A	1	1	[ ]	

DATE 19_ <del>97</del>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1/29/9°	Hobb	s 15		gean Strut- and Serviced with
5600	and	Nit	10900	Leuk, ops ck good.
W	TH CURRENT RERVICE PERTIN	<b>EGULATIO</b>	NS OF THE FEDI LS OF THE REP	TIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE ERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO AIR ARE ON FILE AT THIS REPAIR STATION.  SERVICE HOLDS 15.6 DATE 12997
	10.# 3 (-) IGNED B	me o	Vonot	FOR NORTH STAR AVIATION FAA CRS #NUTR521L
	-	-		
		-		
				O 1991 ASA

D	ATE RECORDING TODAYS	TOTAL Description	n of Inspect	ions. Tests.	Renaire and	Alterations	
<u>-</u> -	Unit  AIRFRAME  Registration N6822V	13801 Pio Eden Prairie, M	Service, Inc. neer Trail innesota 55347 o. KX5R005N				
_	DATE MFG. MC	DEL S/N	TSO	CYCLES	HOUR METER	TOTAL TIME	
	2-5-97 CESSNA 4	14A 0808	_	_	25.8	_	
	WEIGHED AIRCRAFT USING SCALES, WEIGHED WITH FULL OIL, 4 CABIN SEATS WITH AFT TOILET AND UNUSEABLE FUEL. UPDATED PILOTS OPERATING HANDBOOK. NEW EMPTY WEIGHT 5249LBS. EMPTY WEIGHT C.G. 153.21						
_	The aircraft, airframe, aircraft engine, propeller, or appliance indentified above was repaired and impedded in accordance with current Regulations of the Federal Ariston Administration and is approved for state to service. Pertunent details of the repair						
_		Was Ord 10 15148	Date 2	5-97			
_	(Authorized Representative)  (Authorized Representative)						
-		,	4.54				
_							
_						-	

1	DATE 19_ <del>97</del>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)	F
	<del>3</del> -3	29.3		4762.6		
		C/W a	perat	ion A.	Eg progressive care has program usin	10
i i		Cessna		ection g		
i		by repl	wing	40-6	ings + servicing with 5606 byd. duid	1
1		Had f	ire	bottles	insp + serviced, jorboth engines	
ý.		W 301	11109	5/N'S ?	8095AI, 00579AI see yellow tolgo dated	
-		2-21-91	7 in	talled	2 new squiles IN 13083-5, bulled Are	
] -		IAW M	mis	anone	manual.	
-						
_						
_		THE AIDCDAE	T AND/00	0011001151171	SENTIFIED ABOVE MAD DEBAIDED AND/OD INCOFERED IN ACCORDANCE	
_		WITH CURREN	NT REGULA	TIONS OF THE	DENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO REPAIR ARE ON FILE AT THIS REPAIR STATION	
_		w.o #_383			ME IN SERVICE 4762.6 DATE 3-3-97	
		SIGNED 1		ngeliel		
		I CERTIFY T	HAT THE	AIRCRAFT AN	ID/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION	
		SIGNED IN	- 6	nachil	FOR NORTH STAR AVIATION FAA CRS #NUTR521L	
						O 1991 AS

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DATE 19 <u>97</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3/18/97	Hobbs S	3.2 Cow(	Fabrica: , Serv	icel O2 system. (New door on order)
	WITH CL	JRRENT RE E PERTINE 385	I ' ID/OR COMPONI EGULATIONS OF ENT DETAILS OF	ENT IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO THE REPAIR ARE ON FILE AT THIS REPAIR STATION.  AL TIME IN SERVICE  FOR NORTH STAR AVIATION FAA CRS #NUTR521L
4-25-97	Hobbs Check	91.7 Hh of AD's,	rotio repla see li	+ 4825 r 9 Cosena approved Progressive Core sed nosegear uplock ramp IN 5742204-2 It in backs A/F hop # 3
	SERVICE WO.#_ SIGNED	PERTINE  3947  Time	NT DETAILS OF	NT IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO THE REPAIR ARE ON FILE AT THIS REPAIR STATION.  LATIME IN SERVICE 4825  DATE 4-25-97  FOR NORTH STAR AVIATION FAA CRS #NUTR521L  T AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.  FOR NORTH STAR AVIATION FAA CRS #NUTR521L

DATE 19 <u>97</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				AF-4870.3 C/W EYENT #1 AND #2
PROGRE	ssive i	NSP.	1AW. C	ESSNA INSP. GUIDE, TIGHTENED CABIN
YENT HA	NOLE,	ORDE	RED P	LACARD AND PLASTIC ORING, GROUND
RUN -	-G001	>-		
	— WITH CURRE	NT REGUL	ATIONS OF THE	DENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO REPAIR ARE ON FILE AT THIS REPAIR STATION.
	w.o.#_40	027	TOTAL TI	MEIN SERVICE 4870-3 DATE 06-01-97
	SIGNED K	Jaw	DON.	FOR NORTH STAR AVIATION FAA CRS #NUTR521L
				ND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
	SIGNED	by,		FOR NORTH STAR AVIATION FAA CRS #NUTR521L
6/20/9	n Hobbs	17	Prop	Synchrophasen Inop-Deactivated
an	pla	4-0	fed B	me Nourla_ A: 9 468880083
7//9-	HOBBS	188 Pr	Repa	red Lt Cabin press. Cooler Cont. Lube Cable Ops BK good.
Bun	e No	not	Nu	TRS21L See NSA WO# 4105

DATE	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of
19	TIME		SERVICE	Technician or Repair Facility. (See back pages for other specific entries.)
7/3/9	Hobb	5 /	30 Re	placed Left Engine Cowl don
Cont	ol Ha	ndle	P/W	561-154-001 ops ck good.
				NTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE DERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO
	SERVICE. PERT	INENT DET		PAIR ARE ON FILE AT THIS REPAIR STATION.
	W.O # 4		Nour	FOR NORTH STAR AVIATION FAA CRS #NUTR521L
	J. SIGNED			
7/9/9	Ser	rice	d 02	See NSA WO# 4117.
			Bu	~ Nound A: 9 468880083
7-14-97	Hobbs	204,	1 Rep	AN ELT BATT + Testand FAN FAR 2076
EUT !	ue 8-9	9 -	Installe	I www Lift Detector installed wew
blob zi	uc sun	LL		Enl
	WITH CURRE	NT REGUL	ATIONS OF THE F	DENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO
	W.O. #	129	TOTAL TA	REPAIR ARE ON FILE AT THIS REPAIR STATION.  DATE THE PAIR STATION.  DATE THE PAIR STATION.
	SIGNED	By	J.L	FOR NORTH STAR AVIATION FAA CRS #NUTR521L
1 4 4 5 7	l j			

DATE	RECORDING TACH	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19	TIME		SERVICE	Technician of Repair Facility. (See back pages for other specific entires.)
7/3/9	Hobe	5 /	30 Re	placed Left Engine Cowl door
Cond	ol Ho	ndle	P/W	561-154-001 ops ck good.
	WITH CURREN	T REGULAT	IONS OF THE FE	NTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE DERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO
	SERVICE. PER	TINENT DET	TAILS OF THE RE	EPAIR ARE ON FILE AT THIS REPAIR STATION.
	w.o.#_411	<u>o</u>	TPTAL TIME	DATE //3/97
	SIGNED	me	Nous	FOR NORTH STAR AVIATION FAA CRS #NUTR521L
7/9/9	2 <~~	vice	d 02	See NSA WO# 4117.
777			1	Nound 1:9 468880083
7-14-97	Hobbs	204	1 Reg	THE ELT BATT + TESTED THE PAR 2018
EUT	Pue 8-	99 -	Installe	10
prop Sy	10c 5w	LL		Enl
-		ENT REGU	LATIONS OF THE	IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO
			•	REPAIR ARE ON FILE AT THIS REPAIR STATION.
	W.O.#	429	TODY	MEIN SERVICE 204. DATE MAY 197
	SIGNED	Dy	y.lin	FOR NORTH STAR AVIATION FAA CRS #NUTR521L
	1	1	1	
V A A	-	•	1	l

	DECODDING	TODAYO		4
19 <u>97</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
08-11-9-	HOBB:	\$ 22	4.6 4	W EVENT #3 AND #4 PROGRESSIVE INSP
IAW CE	SSNA (	NSP.	LIST,	SERVICED O2 BOTTLE W/ OXYGEN INSTRUCT
protect	VE COY	er on	STARTE	R CABLE AT RGT WNG ROOT TO STOP IT
CHAFFIN	G ON F	rom.	WITCH	CHECK VALVE HOUSING, TESTED SYNCHROPHAKA
REGLUE	P YELLR	D IN	NOSE B	AGGAGE LOCKER, REMOYED AND REINSTAUED
TURN+	BANK	MOIC	ATOR —	-OLD PIN- 509-0001-909, SIN-3021,
M/N-	12 TOOK	72B,	NEW -	P/N- 509-0001-909, s/N- M273,
WN-	15200	+2B,	GROC	ND RUN - GOOD -
	THE AIRCRAF - WITH CURREN SERVICE, PER	T, AND/OR NT REGULA RTINENT DI	COMPONENT ID TIONS OF THE F ETAILS OF THE F	ENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE EDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO REPAIR ARE ON FILE AT THIS REPAIR STATION.
	w.o.#_41	76	TOTAL TIM	9F IEIN SERVICE 4958.3 DATE 8-11-97
	SIGNED <u>L</u>			FOR NORTH STAR AVIATION FAA CRS #NUTR521L
				D/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION
	SIGNED	Buy		FOR NORTH STAR AVIATION FAA CRS #NUTR521L
		_		
		_		
				O 1991 ASA

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DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9/17/27 VArga Strobb			149)	RIR Pilot T&B AFTER repair by Repair (2) egt wires - Replace (B) when or sys - Don -
JVI 0 9-02	14071101	CRAFT, AN	ID/OR COMPONI EGULATIONS OF ENT DETAILS OF	ENT IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO THE REPAIR ARE ON FILE AT THIS REPAIR STATION.  DATE 9/29  FOR NORTH STAR AVIATION FAA CRS #NUTR521L
CABLE	PIN-	5117	39-61,	REPLACED RGT HEAT EXCHANGE DOOR PERFORMED HEATER DECAY TEST IAW ITROL HEATER, MOD-B4050, P/N-13ESS-1
	38 11 58 THE AIRCR WITH CURF	AFT, AND/ORENT REGU PERTINENT	OR COMPONENT DETAILS OF THE	
			50W -	FOR NORTH STAR AVIATION FAA CRS #NUTR521L  AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.  FOR NORTH STAR AVIATION FAA CRS #NUTR521L

DATE 19 <u>97</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
11-7-9	7 TACH	27	L. REI	PLACED RAIL ON COFFEE POT HOLPER
$\omega/3$	NEW	SCRE	ws, r	EPAIRED LEFT ENG. LWR LFT
COWL	w/ m	ETAL	PATCH	+ PAINTED, REPAIRED RGT, ENG.
LWR	LFT C	owy	· w/	METAL PATCH + PAINTED
WI SE 	TH CURRENT RE	GULATION INT DETAIL	S OF THE FEDE S OF THE REPA T A CH TOTAL TIME IN	IFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE RAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO LIR ARE ON FILE AT THIS REPAIR STATION.  SERVICE DATE
1128/98	Hobbs:	292.2	ζω Α	5 95-09-13 Annote. 37-9217 by functional check of Inspection due again at 892. 2 hrs. hobbs time.
	fuel in	let val	ves. OK.	Inspection due again at 892, 2 hrs. hobbs time.
	THE AIRCRAF	T, AND/OR ON REGULA PERTINENT	COMPONENT ID ATIONS OF THE DETAILS OF TH	FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN HE REPAIR ARE ON FILE AT THIS REPAIR STATION.
				C 1991 ASA

DATE	NORTH STAR Route 5, Box 120 Mankato, MN 56001 507-625-6006  Tof
19	ries.)
	Date 3/37/98  Tach/Hr. Meter 3.3/. 6  Total Time 5064. 9  Performed routine maintenance and lubrication as per Cesarce service manual.  C/W AD 98-04-38 39-10340 By: Port Addendum Next Due At One Time
	C/W AD By: Next Due At
	C/W AD By: Next Due At
!	TIS OR Engine #1 Prop #1 91.411 Alt.\91.413 Trans. due 8/98 TSMOH Engine #2 Prop #2 ELT Battery Due 8/99
i	C/w Anaval Msp As per Cessua source manual - this
	Alc is no lorger on the progressive insp format.
	seplaced was reg filters, replaced induction or filters the FAR
	Reptival brake linings on (2) — End — End —
	THE AIRCRAFT, AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.
	W.O. # 4707 TOTAL TIME IN SERVICE 5064.9 DATE 3/27/28
-	SIGNED FOR NORTH STAR AVIATION FAA CRS #NUTR521L
-	I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
1901 ASA	SIGNED YOUR John FOR NORTH STAR AVIATION FAA CRS #MILITES ALL

TAC 1998 DATE 11.6-8-224 CESSNA 414A SIN 414A 0808 Hobbs time 345,2 T.T. 5078.5 KEMOUR RIGHT STRUT LOWER PSSSMILE raplace Ring P/N 0841212-1 ad SEAL PIN A2749 an 'O'ning MS 20775-229. pa intall Lower STNUT ASSAUTY. SENICE SERVICE ALL times with Ain. AP 154501024 LINDEN AVIATION SERVICES CORPORATION Victor In Gorado **Unden Municipal Airport** Route 1, Linden, New Jersey 07036 (908) 8625557 FAX (908) 862-5805 . 1331 ASA

DATE	RECORDING TACK TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests. Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5/21/98	352.D			Installed new flight Custom to three on both main geors
			cleaned -	reported wheel bearings. Serviced air conditioning system  refrigerent, - metalled new condensor blower motor.
			1	yelon on grand, Op, check, Oil.
	WITH CUI	RRENT RE	GULATIONS OF T NENT DETAILS O	IT IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.
	W.O. #	4820	<del>101</del>	AL TIME IN SERVICE 352.0 DATE 5/28/98
	SIGNED	July 1	elelen -	FOR NORTH STAR AVIATION FAA CRS #NUTR521L

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
_6 11 98	THE AIRCRAFT WITH CURREN' SERVICE. PER' W.O.#_487 SIGNED I CERTIFY TI	AND/OR OF TREGULATION DE TINENT DE T	COMPONENT IDE TIONS OF THE FE TAILS OF THE RETOTAL TIME	inspection per checklist. C/W all 400 HR inspection inspection form. Installed services ble air conditioning condusor serviced air conditioning system with R-12 refrigeration.  OK.  Intified above was repaired and/or inspected in accordance DERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO EPAIR ARE ON FILE AT THIS REPAIR STATION.  EIN SERVICE 5110.3 DATE 417/98  FOR NORTH STAR AVIATION FAA CRS #NUTR521L  OF ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
	SIGNED Y	Re come		FOR NORTH STAR AVIATION FAA CRS #NUTR521L

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
7/21/98	Hobbs: 030			new rose tire, replaced both bearings - races. Rainstalled A Maintenance Manual.
	THE COLLE	PERTINEN	T DETAILS OF THE	DENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN HE REPAIR ARE ON FILE AT THIS REPAIR STATION.
	SIGNED $\frac{1}{2}$		IOTALT	HE IN SERVICE 0304,0 DATE 7/21/98
	SIGNED	Mull		FOR NORTH STAR AVIATION FAA CRS #NUTR521L
8-10-98	Hobbs 4	65.4		
	01 411	91 413 &	91 217 have be	een performed and found to be within the limits of FAR 43 appendi-
	Altimete	er Model	EA-SUA	#1 S/N 552 Model UNITED #2 S/N 24 746
	Transpo			4#1 S/N 1588 Model #2 S/N #2 S/N
	Altitude	Model E	1-801 A	#1 S/N 5:52 Model #2 S/N /
	SIGNE		andl	Kiolen
	NORTH	STAR AVI	ATION, INC. Mai	nkato, MN 56001
	FAA CR	S# NUTR5	21L W/O#	2290

DATE	NORTHSTAR	tions
19	Route 5, Box 120 Menkato, MN 56001 507-625-6006	r of ries.)
		j
	Date 8)19 98 Tach/Hr. Meter 408,8 Total Time 5142.1	
	Performed routine maintenance and lubrication as per Custon 414A service manual.	
	C/W AD By: Next Due At	
	C/W AD By: Next Due At	
	C/W AD By: Next Due At	
	TIS OR Engine #1 Prop #1 91.411 Alt.\91.413 Trans. due_8\2000	
	TSMOH Engine #2 Prop #2 D ELT Battery Due 8/99	
	Completed Annal 100 AR inspection. Completed 500 HR - Yearly inspection	
	items, Completed 500 HR inspection on magnetus, Installed new AND 1396-2	
	magneto filters. Removed both propellors a governors and had overhanted by	
	Maxwell Aircraft. Reinstalted Model PHC-C3YF-2UF/FC7643D8-20	
	SN+ EB-2124 and PHC-C3YF-2UF/FC7443DR-2Q SN+ EB-2116.	
	Installed overhauled govenors A210710 Rov. Y, SN# 1431230 - Model+	
	A210710 SN+ 1210399. Removed exhaust on both engines - sent to Acrospo	ي لياداط
	Reinstelled using new hordware. Installed PNA 1322-25 Shims under Fro	
	mounts IPAIN from Drowing 1367. Installed new intercooler ducts on both.	
	1 14 part - Alum Had Distribed 1200 to THE HALL COSTS CHICKS Of Some	

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries	f
	replaced	both a	in filter ele	ments. Replaced both B3-5-1 regulator fillers. Replaced	7
,				give. Adjusted both brush gaps on both engines after n	
	props. Re	1000 1	ff main 1	prakes, Installed new diode on left alternator. Inspected	o fr
				16 Amndt. 39-10259, found SK414-17 installed on bot	
	engine trus	ses. C	mplionec w	ith AD due at next engine change. Test run + checken	d for
	proper oper			<b>3</b>	
	WITH CURRE	NT REGUL	ATIONS OF THE	DENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN THE REPAIR ARE ON FILE AT THIS REPAIR STATION.	
				TIME IN SERVICE _51 42.1 DATE _\$ 19 98	
	SIGNED _	Till 1		FOR NORTH STAR AVIATION FAA CRS #NUTR521L	
	Annual /	HAT THE	AIRCRAFT AN	D/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.	
	SIGNED _	off whe	uis-	FOR NORTH STAR AVIATION FAA CRS #NUTR521L	
	-				
© 1991 ASA	<u> </u>		1		

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DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10/14/38		E. PERTINE	I OR COMPONENT JLATIONS OF TH ENT DETAILS OF	IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN THE REPAIR ARE ON FILE AT THIS REPAIR STATION.  TIME IN SERVICE 434.9 DATE 10/14/98  FOR NORTH STAR AVIATION FAA CRS #NUTR521L
1:/24/98	THE AIRCR WITH CURI	I AFT, AND/O RENT REGU E. PERTINE	I OR COMPONENT JLATIONS OF TH ENT DETAILS OF	DENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE HE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN THE REPAIR ARE ON FILE AT THIS REPAIR STATION.  Sebis FOR NORTH STAR AVIATION FAA CRS #NUTR521L

, 149. 45A

DAT		itera
40	N Q R T H , S T A R	lumb
19_	Route 5, Box 120 Mankato, MN 56001 507-625-6006	fic e
	11/14/98 Hobbs: 458.0 C/W 50 He man to Police O July	
	11 10/40 HOBER: 438.0 C/W 30 HR inspection, Kelined night main	
	11/14/98 Hobbs: 458.0 C/W 50 HR inspection. Relined right main  gear brake. Replaced tail navigation light. Test run aircraft &	
	ops check. OIL.	
_		
	- THE AIRCRAFT, AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE	
	WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN  TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.	
	W() # 79 13W	
	SIGNED Cillians	
	- I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN A COORT AND A CREW WITH STAR AVIATION FAA CREW W	
	SIGNED Off Williams	
	FOR NORTH STAR AVIATION FAA CRS #NUTR521L	
D	his aircraft is dynamical, helps a Model 4/44 Holds Tach Time 463.6	
•	and an elait is dylialilically balanced to an IDC of OCO THE LOCAL	
	The state of the s	
Sc	ervice information; McCauley SL 1989-4B & Hartzell manual #202A or Hartzell SI 148B. Operating	
	chnician: Chuck Willette A&P 474155634 Clared 75 Clared 75 Clared	

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
13/35/98	Hobbs: 4	63,6 8130 3	Replaced Ops ch	right side electric fuel pump. AV 287-29 (See FAA
	THE AIRCRA	FT, AND/OF ENT REGUI	COMPONENT I	DENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR DETIION
	SIGNED C	H.W.	Liconton D	HE REPAIR ARE ON FILE AT THIS REPAIR STATION.  DATE 12 3-198  FOR NORTH STAR AVIATION FAA CRS #NUTRS21L
11े19/59	Hobbs: 481 Check. Ch		place& p	speller derice brush assemblies with new RAB40189. Ops
	THE AIRCRAI WITH CURRE TO SERVICE W.O. # 53	FT, AND/OR ENT REGUL PERTINEN	ATIONS OF THE T DETAILS OF T TOTAL	DENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN THE REPAIR ARE ON FILE AT THIS REPAIR STATION.  DATE 1/19/99  DATE 1/19/99
	SIGNED S	off (whi	uigner_	FOR NORTH STAR AVIATION FAA CRS #NUTRS21L

Ţ,	Route 5, Box 120 Mankato, MN 56001 507-625-6006						
Route 5, Box 120 Mankato, MN 56001 507-625-6008							
	Tach/Hr. Meter 492.2 Total Time 5225.5						
Performed routine maintenance	e and lubrication as per <u>Ccssna 414A</u> service manual.						
C/W AD	By: Next Due At						
C/W AD	By: Next Due At						
C/W AD	By: Next Due At						
TSMOH Engine #2 618.5 Completed 5000 Hr. In C+W All Yearly, 100 Manual. Replaced prec Rescaled both upper rib using original hol Replaced left main la	Prop#1 83.4 91.411 Alt. 191.413 Trans. due 8-2000  Prop#2 83.4 ELT Battery Due 8-1999  spections.  i + 600 Hr, + Special Inspection Items per Maintenance amatic system inlet filter. Replaced both hydraulic filters.  Chel access openings. Replaced right wing (outer flap)  les. Replaced both propellor de-ice circuit breakers, anding gear schrader value + serviced with MIL-H-50000  lap up + down limit switches, Test run + ops check. OK						
	OVER ->						

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DATE 19	WITH CURRENT F TO SERVICE. PER W.O. # .5485	REGULATION TINENT DE	NS OF THE FEDI TAILS OF THE RI _ TOTAL TIME I	ERAL AVIATION EPAIR ARE ON I N SERVICE _5	ADMINISTRATION TILE AT THIS REPA	AND IS APPROVING STATION.  DATE 4	1-6-99	d Alterations ate Number of pecific entires.)
	SIGNED AMMUA		RAFT AND/OF	R ENGINE HAS ECTION AND W	BEEN INSPECT AS DETERMINED T	ED IN ACCOR	A CRS #NUTR521L RDANCE WITH AN ORTHY CONDITION. AA CRS #NUTR521L	
	Sin 139	AFT, AND/OR RENT REGU E. PERTINE 559	SIN G 5  SIN G 5  R COMPONENT LATIONS OF TH	5. Ren 52, Ins 2 Shtic DENTIFIED ABO E FEDERAL AVI THE REPAIR AF	te 5, Box 120 Manka Moved Defect the led over the System Le OVE WAS REPAIRE ATION ADMINISTR E ON FILE AT THIS BE	DAND/OR INSPATION AND IS A REPAIR STATIC	ected in accordance for RE	ANCE TURN

to co

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5/19/99	ی عاطی	41.4 c	lw 50 Hr	Insp checked lights tires Brokes replaced 9910055-1 S/N 136 Ground Run + OP'S JON-
	WITH CURREN	NT REGULA	TIONS OF THE DETAILS OF TH	ENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN HE REPAIR ARE ON FILE AT THIS REPAIR STATION.  ME IN SERVICE
	SIGNED	Patrick HAT THE	AIRCRAFT AND	FOR NORTH STAR AVIATION FAA CRS #NUTR521L  O/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN NSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
	SIGNED	Home		FOR NORTH STAR AVIATION FAA CRS #NUTR521L
8/31/99	Hobbsi FAR 91.a	1 .	Replac	O ELT Battery with New. Uw Inspection per
WITI	AIRCRAFT, AND H CURRENT RE	) O/OR COMP GULATION	S OF THE FEDE	FIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE RAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN PAIR ARE ON FILE AT THIS REPAIR STATION.
	# 5819 NED Jeff	Wiei		FOR NORTH STAR AVIATION FAA CRS #NUTR521L

DATE 19*	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteration Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries
5/19/99	Hobbs 5	41.4 c	lw 50 Hr	Insp checked lights tires Brokes replaced 9910055-1 S/N 136 Ground Run + OPS JOK_
	TO SERVICE.	PERTINENT	DETAILS OF THE	ENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN IE REPAIR ARE ON FILE AT THIS REPAIR STATION.
	W.O. #	AT THE A	UL AIRCRAFT AND	ME IN SERVICEFOR NORTH STAR AVIATION FAA CRS #NUTR521L  D/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN  NSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
•	SIGNED	thil	M	FOR NORTH STAR AVIATION FAA CRS #NUTR521L
8/31/99	Hobbs!	<i>57</i> 0,0	Replace	O ELT Battery with new. Ofw Inspection per
	FAR 91.20	760).		
WITH	CURRENT REC	SULATIONS	OF THE FEDER	I IED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE RAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN PAIR ARE ON FILE AT THIS REPAIR STATION.
W.O.	# 5819			SERVICE 578.0 DATE 8/31/99
SIGN	ED Jeff	wee	omin	FOR NORTH STAR AVIATION FAA CRS #NUTR521L

	your property and the second										
DA	MODEL	CESSNA 414A	NOI	RTH STAR AVIATION	DATE	12-01-99	ons				
19	SERIAL#	414A-0808		RT. 5, BOX 120	W/O	5998					
	REG#	6822U		MANKATO, MN 56001	HOBB:	585	3.,				
			FAA RE	PAIR STATION #NUTR521	L ACT	5318					
				LOGBOOK INSERT	.						
1. COMPLETED ANNUAL INSPECTION IN ACCORDANCE WITH CESSNA 414A MAINTENACE MANUAL AND INSPECTION FORM.  2. CW EMERGENCY LOCATER TRANSMITTER INSPECTION I/AW FAR 91 207D.  3. REPLACED BOTH ENGINE AIR FILTER ELEMENTS WITH NEW  4. REPLACED ALL PRESSURE AND VACUUM REGULATOR FILTERS WITH NEW.  5. REPLACED RIGHT SIDE ELECTRIC FUEL PUMP WITH NEW UNIT.  6. REPLACED PROPELLOR DE-ICE AMMETER WITH NEW UNIT.  7. REPLACED PROPELLOR DE-ICE ANNUNCIATOR LIGHT SWITCH WITH NEW UNIT.  8. REBUILT BOTH MAIN GEAR BRAKE CALIPERS AND INSTALLED NEW BRAKE LININGS.  9. REBUILT BOTH BRAKE MASTER CYLINDERS AND BLED BRAKES.  10. REPAIRED BROKEN WIRE TO PROPELLOR DE-ICE BOOTS AS REQUIRED.  11. COMPLETER CABIN PRESSURIZATION TEST.  12. FILED AND REPAINTED PROPELLORS AS REQUIRED.  13. REBUILT BOTH MAIN STRUTS AND SERVICED WITH MIL-H-5606 AND NITROGEN.  14. TEST RUN, FLIGHT CHECK, OK.  THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AIR REGULATION AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS  OF THE REPAIR ARE ON FILE AT THIS FACILITY.  DATE 12 O 199 SIGNED WITH MIL-MAINTENANCE MAINTENANCE MANUAL AND SIGNED WITH CURRENT FEDERAL AIR REGULATION AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS											
						•					
							© 1991 ASA				

	Route 5, Box 120 Mankato, MN 56001 507-625-6006
	House 3, Box 120 Halikato, Mit 30001 307-020-0000
2-25-00 NG8	5274
7-20 00 10 We	s e cu
•	es system, transponder, and altitude reporter test required by FARs een performed and found to be within the limits of FAR 43 appendible TO 30,000 ft
Altimeter Model EA-80(A	-#1 S/N 1354 Model United #2 S/N 2A246
Transponder Model NT-859	
Altitude Model EA SolA	#1 S/N 13.5 4 Model #2 S/N
SIGNED January 2	Kuleum
NORTH STAR AVIATION, INC. Ma	nkato, MN 56001
FAA CRS# NUTR521L W/O#_	2867
	1

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)ATE	RECORDING TACH TIME	TACH FLIGHT TIME IN Entries must be endorsed with Name, Rating and Certificate Number of					
	32 Airp	Flyte, ort Drive, RS QFYR3	Westfield, M	A 01086-1508	Logbook Attachment Airframe		
	A/C	: 03/07/1 : N6822U : 5342.2	900	W.O. #: 1541 Model: 414A Tach: 609.2	S/N: 414A0808 Landings:		
	N	osecone Re	moved And Reins	ion Accomplished, The Engine Cowls, Installed. A List Of Findings Given To The	Operator		
		32 Airport	yte, Inc Drive, West OFYR349K	field, MA 01086-1508	Logbook Attachmen Airframe		
		Date: 0: A/C: NO AFTT: 5:		W.O. #: 1557 Model: 414A 609.2:	S/N: 0808 Landings:		
		1. Servi	ced Left Strut W	ith Nitrogen And Serviced Main Tires			

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Entries must be endorsed with Name, Rating and Certification or Repair Facility. (See back pages for other	ficate Number
7/13/0	Hok	05 6	39.4	RIR RH Air Cond. Evap	
m	to 1	P/N	C 41400	5-0101 RX S/Non ACM 101	16,
/</td <td>DFF</td> <th>ACM</th> <th>422</th> <td>Sprviced Freamin A/C</td> <td>. Systan</td>	DFF	ACM	422	Sprviced Freamin A/C	. Systan
BA	sino	N	UTR5	216 See WO# 6448.	,
				7	
	-				
	-		GREG	G AIRCRAFT SERVICES, INC.	
				903-643-0980	
	N6	822U	8-30-00	HR. MTR.: 649.3 TTA: 5382.3	HT, HR.
	Co	mplied w	ith an annua	al inspection in accordance with Cessna	MTR. 1322.
	414	4A check	list. Complie	ed with AD96-20-07 by pressure decay	
	tes	t of heat	er combustio	n tube and test of combustion air switch;	BW
	91	207/d\· •	. ELI TUNCTION	on tested in accordance with FAR Complied with AD2000-01-16 by	
	ins	pection o	of exhaust sv	stem in accordance with Fig. 1(b),	
	(C),	,(e) on le	ft and right s	ides. Found to be airworthy	
	I CE	ertify this	aircraft has	been inspected in accordance with an	
	an	nual insp	ection and w	as found to be in an airworthy condition.	
	Буі	ron C. W	illame	casilin	
			Byron !	Carloun	
€ 1991 ASA	IA2	2021731			<u></u>

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT TIME IN SERVICE Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)				
			GREC	GG AIRCRAFT SERVICES, INC. 903-643-0980		
		Timothy K.	Stroman K. Stru	hr. MTR.: 681.7 on coil P/N 200691. Heater function		
		A&P466594	./53			
						© 1991 AS
		TTA =	HO 6 b	s # 4733.D		

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alteral Entries must be endorsed with Name, Rating and Certificate Number Technician or Repair Facility. (See back pages for other specific entors)
	<u> </u>		GRI	EGG AIRCRAFT SERVICES, INC. 903-643-0980
	Re S/I	N A-1549	991. Functi Stroman	oo HR. MTR.: 681.7  ed right alternator with P/N 649304  tion check good.
		- a management		

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DATE	RECORD! TACH		Iterations
19	TIME	GREGG AIRCRAFT SERVICES, INC. 903-643-0980	Number of ific entries.)
		N6822U 10-9-00 HR. MTR.: 693.5 Replaced right main tire, brake disc and linings. Repacked wheel bearings and balanced assembly. Shimmed and tightened right torque link to align wheel. Timothy K. Stroman  A&P466594753	
		GREGG AIRCRAFT SERVICES, INC. 903-643-0980	
		N6822U 10-31-00 HR. MTR.: 700.3 Repaired crack in left upper cowl at oil access door. Timothy K. Stroman  A&P466594753	
		A&P466594753	

19	RECORDII TACH TIME	GREGG AIRCRAFT SERVICES, INC. 903-643-0980			
		N6822U 12-7-00 HR. MTR.: 756.7 Replaced left tire, brake disc and linings. Repacked bearings and balanced assembly. Shimmed to specification both left and right engine mount spacers to properly position engines in mount.  Byron C. Williams  A&P2021731			
	Altimeters LH S/N _ RH S/N _	Model AC S/N 588  Model A/A S/N N/A  N/A Date N/A W.O. 33-7343 Date 12 Dec 00  By Shreveport, Louisiana  Model A/A S/N N/A  W.O. 33-7343 Date 12 Dec 00  CRS #RTAR810H  Shreveport, Louisiana			

19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs a Entries must be endorsed with Name, Rating and Certific Technician or Repair Facility. (See back pages for other	icate Number of
			GREC	GG AIRCRAFT SERVICES, INC. 903-643-0980	
	Cor by i	nspectio defects r	n of exhaust noted. ELT	HOBBS: 775.4 AFTT: 5508.4 ur inspection. Complied with AD2000-01-16 t systems in accordance with Fig. "b" & "d". tested in accordance with FAR 91.207(d); missing rivet in left inboard flap trailing	

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	DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alternatives must be endorsed with Name, Rating and Certificate Nu Technician or Repair Facility. (See back pages for other specific	eration umber of c entries
			et do wi rig	tched, aloding or seal. Reging skin in exight outboard alve with new levator trim adjusted traveleses in whee EB00-9 by integraced left to bod. P/N on a district gear door a door alternomplied with rushes and exighest exchangles and exighest exchangles.	od. Removed corrosion in left wing exhaust area, ed, primed and painted. Replaced emergency exit placed left nacelle aft lower skin. Replaced lower right chaust area. Repaired right outboard flap. Replaced flap hinge and hinge pin. Replaced vacuum manifold part. Ops check good. Removed aileron, rudder and ctuators for overhaul. Reinstalled after overhaul and I stops. Ops check good. Rebuilt left and right brake I wells and bled. Ops check good. Complied with installing breather vent tubes on left and right engine. Coost pump with overhauled unit. Ops and leak check 2B7-29FR S/N on 4AK31. Replaced air conditioner and fluid. Repacked left strut and serviced. Adjusted and nose gear doors. Checked okay on gear swing. Inator inspection complied with on both alternators. 400-hour inspection of A/C condenser fan blades, vaporator fans. Complied with 400-hour inspection of gers. Serviced adjusting seats per 600-hour Cleaned and packed wheel bearings. Inspected	
1				. 1	CONT.	
	D 1991 ASA					

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
	light ins door hin inspection hinges postions skins ins Starter to I certify 100-hou	pection of ages inspon(6000) per MEBS spected for this aircraft inspector K. Strom	complied with ection (400) complied with 28-11. Also for debonding aft has been tion and was	handle shaft and pivot point. Exterior th per 800-hour requirement. Cabin -hour) and cabin door hinges eddy-current with by replacement of both cabin door replaced hinge pivot bolts. Wing ng per 400-hour/1 year requirement. er 400-hour requirement. In inspected in accordance with a s found to be in an airworthy condition.
	-	·		
	- i			- b

DATE	RECI						d Alte			
	TIME		GREGG AIRCRAFT SERVICES, INC. 903-643-0980							
		N6822U 5-24-01 TACH: 875.4 AFTT: 5608.4  Complied with a 100-hour inspection per Cessna 414A checklist.  All 100 hour items inspected. Replaced both engine fire ext. squibbs P/N 13083-5. Complied with hydrostatic test of blow-down bottle and oxygen bottle. AD2000-01-16 complied with by inspection of both exhaust systems per Fig. (b); satisfactory. I certify this airframe has been inspected in accordance with a 100-hour inspection and was found to be in an airworthy condition. Byron C. Williams								
		A&P2021731								
				· management of		ĺ				
			The Later of Section 1999							
© 1991 ASA										
				<b>5</b> ——						

DATE 19	RECORDING TACH TIME	GREGG AIRCRAFT SERVICES, INC. 903-643-0980	ations per of ntries.)
		N6822U 8-21-01 HOBBS: 998.4 AFTT: 5731.7 Completed an annual inspection using the Cessna 414A checklist. All 50-100-200 hour and annual items complied with. ELT functionally tested in accordance with FAR 91.207(d); satisfactory. ELT battery was replaced and next due 5-03. Seat belts and shoulder harness inspected per ME96-4. AD95-09-13, fuel float valve inspection, complied with satisfactorily. Complied with forward wing spar inspection. No defects noted. Complied with AD2000-01-16 (b)(c)(e) on both exhaust systems. Replaced left outboard riser assembly with new unit due to leakage. Right A.C.U. repaired and alternators paralleled. Replaced right strobe cover lens. AD2001-08-01 complied with by visual inspection and pressure test of heater fuel regulator and shut-off valve. No	
		leakage noted. Replaced both instrument air filters B3-5-1. I certify this aircraft has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.  Timothy K. Stroman  IA466594753	

)ATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE		on of Inspections, Tests, Rep t be endorsed with Name, Rating and or Repair Facility. (See back pages for	y Certinicat	e muniber of
			GR		AFT SERVICES, INC. 643-0980		
	R S s	/N on 26- ystem lea	•	ed altimeter A 43300-61288	DBBS: 1009.3 RC P/N on 43300-61288 S S/N off 1354. Static		
	A	1446659 148P46659	94753		This altimeter has been inspected tested, and certified to comply wit FAR 91.411 per FAR 43 Appendix to an altitude of	h E t	
					Inspection Encoding	_	
		-	+				

A24 100

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9-4-01	MP.	MIL	, 1011.5	REPLACED RIGHT EUDPORATION
				BLOWER MOTOR. SERVICED WITH
				K-12 FREAN. MOTON PLW HERINGS-2
				Byron C. William AV2021731
10-12-01	1052.7			RESpecial Rt. Alter NABR OB.
				Chk. good P/N on 649301 AZ
				S/N OU I TAO 34R. Think K. Stone
				AN 466594755
	@		GREG	G AIRCRAFT SERVICES, INC. 903-643-0980
	3/N	laced lef	Ops check	IMP with new Airborne 442CW
	- 7m	roth k	· Shom	· ·
	A&P4	4665947	53	O 1991 ASA

-	DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
<b>-</b>	1/20/01		HOBR	1073.2	Replaced heated fuel Regulable  Shut off VAIVE IAW A.D. 2001-17-13  Mext due & heated fuel regulator  Shut off VAIVE Replacement Reflect  heated Coil, Off. Oht. good:
					Shut off VAIVE IAW A.D. 2001-17-13
					Mext due a heater fre regulator
-					Shut off value replacement Replaced
•					heatel coil, Of. Ohk. good-
					Vinettek. Ston
					A11466594153
	er a a		ı I		

DATE 19	RECORDING TACH TIME	GI	REGG AIRCRAFT SERVICES, INC. 903-643-0980	rations mber of entries.)
		Performed 100 hour 100-hour inspection AD 2000-01-16 para 1155.5. Replaced s Replaced left and riggood. Replaced left left wing inboard defined See FAA Form 337. I certify this aircraft	inspection in accordance with Cessiform 100 hour items. Complied with "b". No defects noted. Next due ho pring on upper cabin door outside has the precooler door control cables. Operational light bulb. Opsicheck good. Item to be a landing light bulb. Opsicheck good. Item to be a la	bbs ndle. os check Replaced 0-07.
2-6-02	HR	MIR MIR. 1196	EXCHANGE UNIT PATEN	ASSEMBLY WITH
,		l lß	14500,5/n A02010017. 17R. 15 1394,3. Fun In C. William A4202	HEATER HA

DATE 19	RECOI TACH TIME	GREGG AIRCRAFT SERVICES, INC. 903-643-0980	e Number of ecific entries.)
		N6822U 1-9-02 HOBBS: 1157.8  Removed and replaced H.S.I. and co-pilot's artificial horizon.  Ops check good. H.S.I. P/N on 52D137-2331 S/N I-4887B.  Attitude gyro P/N on C661076-0101 S/N 64055F.  Timothy K. Stroman	77A: 5891,1
		A&P466594753	
		GREGG AIRCRAFT SERVICES, INC. 903-643-0980	Ra/
		Replaced linings on both brakes and broke-in to disk. Replaced Right Turn and Bank Gyro with overhauled exchange unit. Replaced both main tires and left tube. Goodyear Flight CustomII 650 x 10 8 ply.	OH BV TTA: 5962.7
D 1001 ASA		- Byron C. Williams - A&P2021731	

19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Teresties must be endorsed with Name, Technician or Repair Facility. (See back	sts, Repair	s and Alterations
			♥ GREGG A	NRCRAFT SERVICES, INC. 903-643-0980		Bu
	I certify 100-hou Jordan	eted a 10 ist. Comp this airc	oleted 50-10 raft has beer tion and was	HR. MTR.: 1396.9 TTA: 5 ection in accordance with Cessna 416 0 and 200 hour items. In inspected in accordance with a second to be in an airworthy condition	4A	TTA: 6054,0
		1				

DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	T Entries mu	sion of Inspections, Te st be endorsed with Name, or Repair Facility. (See bac	Hating and Certificate I	Numba
			de d				
				GREGG	AIRCRAFT SERVICES,	INC.	
					903-643-0980		
		Ne	8822U	9-17-02	HR. MTR.: 1478.1	TTA: 6059.0	_
		→ co	ompleted an	annual inspe	ection using Cessna 414		, —
		fur	nctionally te	sted in accor	dance with FAR 91.207(d	l); satisfactory.	
		EL	₋T battery cl	hange due 5-	03. Replaced tail strobe	assembly P/N	
		- A5	506. Repair	ed hydraulic	suction line in right inboa	rd leading edge	
		by	cutting out	damaged are	ea and installing an AN81	5-10D union	
		Le D'	eak check go	ood. Replace	ed both instrument air reg	ulator filters	
		ba	o-o-1. Repla	aced door ext	tender P/N 5311330-3 on	left fwd. most	
		- SV	stem hydrai	and both na	celle doors. Replaced lef d A/C system filter.	t and right	
		— i o	certify this a	ircraft has be	en inspected in accordance		
		ar	nnual inspec	ction and was	found to be in an airworth	ce with an	
		B	yron C. Willi	iam <del>s</del>		ly condition.	
		<del>-</del>		υ.	20/11		
			1200470	Fron C	Wille-		
			42021/31				
		1	•				
				<del>-</del>			
© 1991 ASA	L	1	1. ,	<u> </u>			

DATE  19	RAW 19.5  RECORDING TACH TIME	TODAYS TOTAL TIME IN SERVICE	Description of Inspections, Tests, Entries must be endorsed with Name, Rating Technician or Repair Facility. (See back page)	g and Certificate Number of
	HOI mai mai Cor and Jor	B22U 12-11-0 BBS METER CORRE in tires with Goodyea in wheel bearings. B mplied with AD2000-	G AIRCRAFT SERVICES, INC. , EAST TEXAS REGIONAL AIRPORT LONGVIEW, TX 75603 903-643-0980	1.0_ left acked
				© 199

9	TACH	TODAYS FLIGHT	TOTAL TIME IN SERVICE				ons, Tests, Repairs and h Name, Rating and Certifica (See back pages for other sp	
	1	,		Arrow	Aviat	ion		
1	1			ді і Ом	nviat	2011	Gaga	
		l <b>‡</b> :N6822U		SN:414A	0808		Page 1 HM/TACH: 1601.8	
	A/C 1		HEATER		.0		LANDINGS:	
			T.S.N. T.			CYCLES:	#1 PROP:	
1	#2 ENGIN		T.S.N. T.S		.0	CYCLES:	#2 PROP:	-
					1.4	V10220.	£ 11.01 •	
	LUBED WASTEGAT	E AND ADJU	USTED LEFT EN	GINE MANI	OLD PR	RESSURE. REMOV	ED #4 CYLINDER AND	_
	ULEBBUADO DIO	DAR FURN	ISHED CILINDER	(. 1N51AL	TED CI	ISTOMER FURNISHS	ED LEFT ENGINE TURBO	
	OVERBOARD PIPE	., P/(t N7)	10299-1, 5/N	108994.	טאטטאנ	RUN AND OPS CHE		_
	ROBERT BIRDL	ELL : AP45	57339876	$U \sim$	uln	rel	Date: <u>U-17-0</u>	3 -
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DATE 19	RECORDING TACH TIME	TODAYS FLIGHT	 Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)



RAM Aircraft, Limited Partnership • Waco Regional Airport

## Cessna 414A0808 N6822U

Airframe Total Time:

Hour Meter:

1602.3

Date: 05-29-03

Log book closed this date and total time. See RAM Log 5 for future entries. Pertinent details are on file under project no. 760.

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

TOTAL TIME BIRFRAME = 5.
HR. MTR. + 4637.6 = TTA
THIS TAKEN INTO ACCOUNT THE HR. MTA
Ennons. B. William
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