

N6822U

1982 Cessna 414A

Airframe Logbook

#2 of 4

1996 - 2003

MSN: 414A-0808



Prepared by the worldwide aviation specialists at RidgeAire, Inc.

#4



Standard Oil

AIRCRAFT LOG

#4

log

68224.

Aircraft Record General Information

Manufacturer Lessna Model 414A ~~1981~~
Serial 414A-0808 Registration Number N68224
Date of Manufacture 1981

Engine(s) currently installed:

Manufacturer _____ Model _____ Serial _____
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer _____ Model _____
HUB Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____

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.)
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8/15/96	4679.2	m.t.		Installed Stringer Doubler Per RAM Drawing No. 1135 Rev. G + Spar Fitting Rivets Per RAM Drawing No. 1137 Rev. B I/A/w STC No. SA4943SWI Rev. 7
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THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED BELOW WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION.

WORK ORDER# 3410

DATE

8/15/96

SIGNED

Peter H. Hall

NORTH STAR AVIATION, INC.

MANKATO, MN 56001

FAA CRS# NUTR521L

9-3-96	4680.2	M.H.		
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replaced 1 spring + 1 rod P/N 5111527-2 spring + 5711166-5 rod
in cabin door step assist actuator, replaced P/N 6599; installed power supply
C661040-0209 ind, S/N 6599; installed power supply
A409T-CF-M-1 1/2 28 S/N 00179, (see 337 dated 8-23-96) in tail
stringer lamp array + new lamp array A500,

cont →

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.)
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46802 *MT*

THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED BELOW WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIRS ARE ON FILE AT THIS REPAIR STATION.

WORK ORDER# 3459 DATE 9-3-96 SIGNED *Jim Engelbom*
 NORTH STAR AVIATION, INC.
 MANKATO, MN 56001 FAA CRS# NUTR521L

1996

10/25

4692.7 *Hobbs*

A+R right elevator, paint & balance T&W 414 maintenance manual. Service oxygen systems to limits.

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.# 3565 TOTAL TIME IN SERVICE 4692.7 DATE 10-25-96

SIGNED *Jim Engelbom* 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.

SIGNED _____ 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.)
10/31/96	Hobbs 4692.7			Replaced Comb blower brushes & heater sps ✓ <u>Enal</u>
<p>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</p> <p>W.O. # <u>3581</u> ^{Hobbs} TOTAL TIME IN SERVICE <u>4692.7</u> DATE <u>10/31/96</u></p> <p>SIGNED <u>[Signature]</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p> <p>I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>SIGNED _____ FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				
11/22/96	Hobbs 4707.2			Replaced nose gear ramp - black stop & boot
<p>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.</p> <p>W.O. # <u>3630</u> ^{Hobbs} TOTAL TIME IN SERVICE <u>4707.2</u> DATE <u>11/22/96</u></p> <p>SIGNED <u>[Signature]</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p> <p>I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>SIGNED <u>X X X</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				

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.)
11/27	4710.6	Hobbs		Placarded "Rt. eng prop de-ice inop" replaced 7 post light bulbs GE 327

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. # 3649 TOTAL TIME IN SERVICE 4710.6 DATE 11/27/96

SIGNED Jim Engelhorn 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

SIGNED _____ FOR NORTH STAR AVIATION FAA CRS #NUTR521L

12/8/96 Hobbs 4711.0 Complied with progressive Insp. operation
#2, 50 hr Insp Items, 400 hr Insp Items, Heater press decay,
600 hr Insp Items, 800 hr Insp Items, 1000 hr Insp Items,
1200 hr Insp Items, 1 year Items, 2 year Items, 3 year Items,
(de-Activated Engine Compartment Fire Ext. System), 5 year Items,
14 year Items, 400 hr/1 year Items, 600 hr/1 year Items, 1000 hr/
3 year Items, 1500/500 hour Items, C/W Type "A" Cabin Insp
(cont. Next Page)

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.)
<p>Complied with Type "B" wing Insp, ELT Insp per 91.207D, Replaced Cabin Fire ext. with New one, Complied with Wing spar web Insp, Replaced Cabin Entrance upper Hatch Extender strut P/N 5311330-5, Replaced Left wing ^{Fwd. Baggage} Door Extender strut P/N 5211349-11, Repaired Broken wires on Left Prop De-ice, Replaced Prop de-ice timer P/N P07257502 S/N 96/10/2810, Repositioned Left and Right Eng mount isolators to Eliminate Rubbing, Repaired pin holes in all De-ice boots, Adjusted Right Eng Prop De-ice Brush Block gap, Replaced Combustion Air Flow Switch on Cabin Heater P/N K42D36, Repaired Cabin Heater "Exhaust Sense Line" Tube, Adjusted Elevator Control Cable tension, C/W AD 96-20-07 Janitor Heat, Replaced Right Fwd Baggage door Extender P/N 5311330-5.</p>				

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 # 3657 TOTAL TIME IN SERVICE 4711.0 DATE 12/6/96

SIGNED Bruce Norriss FOR NORTH STAR AVIATION FAA CRS #NUTR521L

I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN progressive ops # 2 INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

SIGNED Bruce Norriss

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.)
12/11/96				Removed and Reinstalled Emmer. L.G. Ext. N. Tray Bottle For Cleaning By C.M. Marine - Serviced with Na
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. # 3670		TOTAL TIME IN SERVICE N/A		DATE 12/11/96
SIGNED <u>Bum N. N. N.</u>		FOR NORTH STAR AVIATION FAA CRS #NUTR521L		
12/13/96	4714.8	16665		Replaced Hydraulic pressure switch. Leak, ops good. P/N 9910287-10.
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. # 3671		TOTAL TIME IN SERVICE 4714.8		DATE 12-13-96
SIGNED <u>John A. N. N.</u>		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.				
SIGNED <u>X</u>		FOR NORTH STAR AVIATION FAA CRS #NUTR521L		

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.)
12/19/96				
12/19/96				Hobbs 4718.9 - Replaced Cabin press. Duct Left side between Venturi and Heat Exchanger P/N CM3211-10B38.0 and Replaced Lamps in "seat belt" Light in pass. cabin. Cleaned contacts on Rt. Prop Deice Ammeter
<p>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.</p> <p>W.O. # <u>3675</u> TOTAL TIME IN SERVICE <u>4718.9</u> DATE <u>12/19/96</u></p> <p>SIGNED <u>Bruce Naudts</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				
1/16/97				
1/16/97				Total Time A/F 4733.3 - Replaced FLT. hour meter with New CM2926-1, Now Reads 9000.0, R/R Manifold press. ind. For Remark and Reattached in brd Edge of Rt. Prop Deice Boots.
<p>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.</p> <p>W.O. # <u>3720</u> TOTAL TIME IN SERVICE <u>4733.3</u> DATE <u>1/16/97</u></p> <p>SIGNED <u>Bruce Naudts</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				

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.)
19 <u>97</u>				
11/29/97		Hobbs 15.6		Replaced O-Ring in top of orifice tube of right main landing gear strut - and serviced with 5606 and Nitrogen leak; ops ok good.

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. # 3743 TOTAL TIME IN SERVICE Hobbs 15.6 DATE 11/29/97

SIGNED Burne Nant FOR NORTH STAR AVIATION FAA CRS #NUTR521L

DATE

RECORDING

TODAYS

TOTAL

Description of Inspections. Tests. Repairs and Alterations

Unit

AIRFRAME

Registration

N6822V

Elliott Flying Service, Inc.

13801 Pioneer Trail
Eden Prairie, Minnesota 55347

Certificate No. KX5R005N

DATE

MFG.

MODEL

S/N

TSO

CYCLES

HOUR METER

TOTAL TIME

2-5-97

CESSNA

414A

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 identified above was repaired and
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 Elliott Aviation of Minneapolis, Inc. under

Work Order No.

451486A

Date

2-5-97

Signed

David A. Zile

For

KX5R005N

(Authorized Representative)

ELLIOTT AVIATION OF MINNEAPOLIS, INC.

13801 Pioneer Trail

Eden Prairie, Min. 55347

DATE

19 97RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
TIME IN
SERVICEDescription 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.)

3-3

29.3

4762.6 TTAF

C/W operation # 3 g progressive core insp program using
Cessna inspection guide. Rebuilt shimmy dampener
by replacing 4 O-Rings + servicing with 5606 hyd. fluid.
Had fire bottles insp + serviced, for both engines.
P/N 30111102 3/11's 3095A1, 00579A1 see yellow tags dated
2-21-97 installed 2 new squibs P/N 13083-5, lubed A/C
IAW maintenance manual.

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 # 3822 TOTAL TIME IN SERVICE 4762.6 DATE 3-3-97

SIGNED Tim Engelstson FOR NORTH STAR AVIATION FAA CRS #NUTR521L

I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN
3rd operation INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

SIGNED Tim Engelstson FOR NORTH STAR AVIATION FAA CRS #NUTR521L

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.)
19 <u>97</u>				
3/18/97	Hobbs	53.2		Fabricated; installed Temp oil Drain door on Rt Eng Cowl, Serviced O2 system. (New door on order)
<p>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.</p>				
<p>W.O. # <u>3859</u> <u>Hobbs</u> TOTAL TIME IN SERVICE <u>53.2</u> DATE <u>3/18/97</u></p>				
<p>SIGNED <u>Bruce Nowak</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				
4-25-97	Hobbs	91.7		TTAF 4825
<p>C/w 4th operation of Cessna approved Progressive Care program, replaced nose gear uplock ramp PN 5742204-2 check AD's, see list in back of A/F log # 3</p>				
<p>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.</p>				
<p>W.O. # <u>3947</u> TOTAL TIME IN SERVICE <u>4825</u> DATE <u>4-25-97</u></p>				
<p>SIGNED <u>Jim Engelbison</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				
<p>I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>4th operation</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p>				
<p>SIGNED <u>Jim Engelbison</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				

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.)
06-02-97	HOBBS-0137	TTAF-4870.3		C/W EVENT #1 AND #2 PROGRESSIVE INSP. IAW. CESSNA INSP. GUIDE, TIGHTENED CABIN VENT HANDLE, ORDERED PLACARD AND PLASTIC ORING, GROUND RUN — GOOD —

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. # 4027 TOTAL TIME IN SERVICE 4870.3 DATE 06-02-97

SIGNED Blawson FOR NORTH STAR AVIATION FAA CRS #NUTR521L

I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN
#1 + #2 EVENT INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNED [Signature] FOR NORTH STAR AVIATION FAA CRS #NUTR521L

6/20/97 Hobbs 179 Prop Synchrophaser, Inop - Deactivated
and placarded Base North A/P 468880083

7/1/97 Hobbs 188 Repaired Lt Cabin press. Cooler Cont.
Cable and pressure Lube Cable ops OK good.
Base North NUTR521L See NSA WO# 4105

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.)
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7/13/97 Hobbs 190 Replaced Left Engine Cowling door
Control Handle P/N 561-154-001 ops ck good.

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. # 4110 ^{Hobbs} TOTAL TIME IN SERVICE 190 DATE 7/13/97

SIGNED Bume Naud FOR NORTH STAR AVIATION FAA CRS #NUTR521L

7/9/97 serviced O2 See NSA WOA# 4117.
Bume Naud A:P 468880083

7-14-97 Hobbs 204.1 Replaced ELT BATT + tested FAN FAN 2076
ELT Due 8-99 - Installed new Lift Detector, installed new
prop sync switch

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. # 429 ^{Hobbs} TOTAL TIME IN SERVICE 204.1 DATE 7/14/97

SIGNED Steve John FOR NORTH STAR AVIATION FAA CRS #NUTR521L

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.)
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7/13/97 Hobbs 190 Replaced Left Engine Cowling door
Control Handle P/N 561-154-001 ops ck good.

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. # 4110 ^{Hobbs} TOTAL TIME IN SERVICE 190 DATE 7/13/97
SIGNED Bume Nantz FOR NORTH STAR AVIATION FAA CRS #NUTR521L

7/9/97 serviced O2 See NSA WOA# 4117.
Bume Nantz A:P 468880083

7-14-97 Hobbs 204.1 Replaced ELT BATT + tested FAN FAN 207(2)
ELT Due 8-99 - Installed new Lift Detector, installed new
prop sync switch 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. # 4129 ^{Hobbs} TOTAL TIME IN SERVICE 204.1 DATE 7/14/97
SIGNED Thy John 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.)
08-11-97	HOBBS	22	4.6	C/W EVENT #3 AND #4 PROGRESSIVE INSP IAW CESSNA INSP. LIST, SERVICED O ² BOTTLE W/OXYGEN, INSTALLED PROTECTIVE COVER ON STARTER CABLE AT RGT WING ROOT TO STOP IT CHAFFING ON FLOW SWITCH CHECK VALVE HOUSING, TESTED SYNCHROPHASE REGULATED VELCRO IN NOSE BAGGAGE LOCKER, REMOVED AND REINSTALLED TURN + BANK INDICATOR — OLD P/N- 509-0001-909, S/N-3021, M/N- TS200B-2B, NEW — P/N- 509-0001-909, S/N- M273, M/N- TS200-2B, — GROUND RUN — GOOD

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.# 4176 ^{TAF} TOTAL TIME IN SERVICE 4958.3 DATE 8-11-97

SIGNED Randon FOR NORTH STAR AVIATION FAA CRS #NUTR521L

I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN
EVENT #3 + 4 INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

SIGNED [Signature] FOR NORTH STAR AVIATION FAA CRS #NUTR521L

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.)
19 <u>9/17/97</u>	<u>Hobbs 244.4</u>	<u>R+R Pilot T&B</u>	<u>After repair by</u>	<u>Varga (see yellow Tag), Repair (L) egt wires - Replace (R)</u>
<u>Strobe light</u>	<u>Assy -</u>	<u>Service 02 Sys</u>	<u>Don</u>	
<p>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.</p>				
<p>W.O.# <u>4259</u> TOTAL TIME IN SERVICE <u>4978.1</u> DATE <u>9/17/97</u></p>				
<p>SIGNED <u>[Signature]</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				
<u>10-14-97</u>	<u>HOBBS - 261</u>	<u>REPLACED RGT HEAT EXCHANGE DOOR</u>	<u>CABLE P/N- 5117239-61,</u>	<u>PERFORMED HEATER DELAY TEST IAW</u>
<u>AD 96-20-07</u>	<u>ON JANITROL HEATER, MOD-B4050, P/N-13E55-1</u>	<u>S/N-03811580</u>	<u>FOUND</u>	<u>OK.</u>
<p>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.</p>				
<p>W.O.# <u>4331</u> ^{HOBBS} TOTAL TIME IN SERVICE <u>261</u> DATE <u>10-14-97</u></p>				
<p>SIGNED <u>Rauson</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				
<p>I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p>				
<p>SIGNED _____ FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				

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.)
11-7-97	TACH	272	REINSTALLED REPLACED	RAIL ON COFFEE POT HOLDER w/ 3 NEW SCREWS, REPAIRED LEFT ENG. LWR LFT COWL w/ METAL PATCH + PAINTED, REPAIRED RGT. ENG. LWR LFT COWL w/ METAL PATCH + PAINTED

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. # 4417 ^{TACH} TOTAL TIME IN SERVICE 272 DATE 11-7-97

SIGNED R Lawson FOR NORTH STAR AVIATION FAA CRS #NUTR521L

1/28/98 Hobbs: 292.2 C/W AD 95-09-13 Amndt. 39- 9217 by functional check of
fuel inlet valves. OK. Inspection due again at 892.2 hrs. hobbs time.

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. # 4601 ^{Hobbs:} TOTAL TIME IN SERVICE 292.2 DATE 1/28/98

SIGNED Jeff Williamson FOR NORTH STAR AVIATION FAA CRS #NUTR521L

DATE

19

NORTH STAR

Route 5, Box 120 Mankato, MN 56001 507-625-6006

Date 3/27/99Tach/Hr. Meter 331.6Total Time 5064.9Performed routine maintenance and lubrication as per Cessna service manual.C/W AD 98-04-28 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 8/98TSMOH Engine #2 _____ Prop #2 _____ ELT Battery Due 8/99

C/W Annual Insp as per Cessna service manual - this
A/C is no longer on the progressive insp format.
replaced vac reg filters, replaced induction air filters. C/W FAR
297(d) (ELT insp due again 3/99) A/C 910 N5 - ops ✓ good
Replaced brake linings on (L) _____ 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 3/27/99SIGNED Nery John FOR NORTH STAR AVIATION FAA CRS #NUTR521LI CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.SIGNED Nery John FOR NORTH STAR AVIATION FAA CRS #NUTR521L

DATE

19

REC
TAC
TIME

April 21, 1998

N. 6.8224

CESSNA 414A S/N 414A 0808

Hobbs time 345.2

T.T. 5078.5

REMOVE Right STRUT LOWER assembly
replace Ring p/n 0841212-1 and
SEAL p/n A2749 and O'ring MS 20775-229.
reinstall LOWER STRUT assembly. Service
with 5606 nitrogen, replace Bearings and
SERVICE all times with Air.

**LINDEN AVIATION
SERVICES CORPORATION**

Linden Municipal Airport
Route 1, Linden, New Jersey 07036
(908) 862-5557 FAX (908) 862-5805

AP 154501024
Victor M. Grado

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.)
6/17/98	377.0		C/W 50	HR inspection per checklist. C/W all 400 HR inspection items per Cessna 414A inspection form. Installed serviceable air conditioning condenser new receiver/drier and serviced air conditioning system with R-12 refrigeration. Test run + leak checked. OK.

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. # 4872 TOTAL TIME IN SERVICE 5110.3 DATE 6/17/98

SIGNED Jeff Williams FOR NORTH STAR AVIATION FAA CRS #NUTR521L

I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN 50 Hour INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNED Jeff Williams 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: 0304.0			Installed new nose tire, replaced both bearings + races. Reinstalled. Work done I/A/W Cessna 440A Maintenance Manual.
<p>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.</p> <p>W.O. # 4944 ^{Hobbs:} TOTAL TIME IN SERVICE 0304.0 DATE 7/21/98</p> <p>SIGNED <u>Jeff Whelan</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				
8-10-98	Hobbs 405.4			<p>I certify that the altimeter, static system, transponder, and altitude reporter test required by FARs 91.411, 91.413 & 91.217 have been performed and found to be within the limits of FAR 43 appendices E & F and AC 43.6a TESTED TO <u>30,000 ft</u></p> <p>Altimeter Model <u>EA-801A</u> #1 S/N <u>552</u> Model <u>United</u> #2 S/N <u>2A 246</u></p> <p>Transponder Model <u>RT-855A</u> #1 S/N <u>1588</u> Model <u>X</u> #2 S/N <u>X</u></p> <p>Altitude Model <u>EA-801A</u> #1 S/N <u>552</u> Model <u>X</u> #2 S/N <u>X</u></p> <p>SIGNED <u>Dan M. Blum</u></p> <p>NORTH STAR AVIATION, INC. Mankato, MN 56001</p> <p>FAA CRS# NUTR521L W/O# <u>2290</u></p>

DATE

19



NORTH STAR

Route 5, Box 120 Mankato, MN 56001 507-625-6006

 tions
 or of
 ries.)
Date 8/19/98Tach/Hr. Meter 408.8Total Time 5142.1Performed routine maintenance and lubrication as per Cessna 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 #1 091.411 Alt./91.413 Trans. due 8/2000

TSMOH Engine #2 _____

Prop #2 0ELT Battery Due 8/99

Completed Annual /100 HR inspection. Completed 500 HR + Yearly inspection items. Completed 500 HR inspection on magnetos. Installed new PN# 1396-2 magneto filters. Removed both propellers + governors and had overhauled by Maxwell Aircraft. Reinstalled Model# PHC-C3YF-2uF/FC7643DB-2Q SN# EB-2124 and PHC-C3YF-2uF/FC7643DB-2Q SN# EB-2116. Installed overhauled governors A210710 Rev. Y, SN# 1431230 + Model#

A210710	SN# 1210399.	Removed exhaust on both engines + sent to Aerospace Welders.
Reinstalled	using new hardware.	Installed PN# 1322-25 Shims under from engine
mounts	7/A/W Ram Drawing 1367.	Installed new intercooler ducts on both engines.

over © 1991 ASA

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.)
10/14/98	Hobbs:	434.9		Installed new Gill 246 Battery. Test run + ops check. OK
<p>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.</p> <p>W.O. # <u>5154</u> ^{Hobbs:} TOTAL TIME IN SERVICE <u>434.9</u> DATE <u>10/14/98</u></p> <p>SIGNED <u>Jeff Williamson</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				
10/26/98	Hobbs:	446.4		Installed new PN# 90E87-1C cabin blower motor. Replaced baggage door lock. Replaced missing turbo cover. Ops check. OK.
<p>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.</p> <p>W.O. # <u>5188</u> ^{Hobbs:} TOTAL TIME IN SERVICE <u>446.4</u> DATE <u>10/26/98</u></p> <p>SIGNED <u>Jeff Williamson</u> FOR NORTH STAR AVIATION FAA CRS #NUTR521L</p>				

DAT

19



NORTH STAR

Route 5, Box 120 Mankato, MN 56001 507-625-6006

Iterations
Number of
fic entries.)

11/16/98 Hobbs: 458.0 C/W 50 HR inspection. Reline'd right main gear brake. Replaced tail navigation light. Test run aircraft & ops check. O.K.

- 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. # 452 5238

TOTAL TIME IN SERVICE 5192.1

DATE 11/16/98

SIGNED Jeff Williamson

FOR NORTH STAR AVIATION FAA CRS #NUTR521L

- I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN 50 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNED Jeff Williamson

FOR NORTH STAR AVIATION FAA CRS #NUTR521L

Date 12/30/98 Aircraft Make Cessna Model 414A Hobbs Tach Time 463.6

This aircraft is dynamically balanced to an IPS of .067. The balancing was done by 'Willette Aero Balance' IAW Chadwick/Helmuth manual AW-9511-2 and/or applicable propeller service information; McCauley SL 1989-4B & Hartzell manual #202A or Hartzell SI 148B. Operating technician: Chuck Willette A&P 474155634 Chuck Willette.

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.)
12/30/98	Hobbs: 463.6	Form 8130 3	Replaced right side electric fuel pump. PN# 2B7-29 (See FAA Ops check. OK.	

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. # 5318 ^{Hobbs:} TOTAL TIME IN SERVICE 463.6 DATE 12/30/98
SIGNED Jeff Williamson FOR NORTH STAR AVIATION FAA CRS #NUTRS21L

1/19/99	Hobbs: 481.0		Replaced propeller drive brush assemblies with new RA840189. Ops check. OK.	
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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. # 5399 ^{Hobbs:} TOTAL TIME IN SERVICE 481.0 DATE 1/19/99
SIGNED Jeff Williamson FOR NORTH STAR AVIATION FAA CRS #NUTRS21L

DA1

19



Route 5, Box 120 Mankato, MN 56001 507-625-6006

Date 4-6-99Tach/Hr. Meter 492.2Total Time 5225.5Performed routine maintenance and lubrication as per Cessna 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 #1 618.5 Prop #1 83.4 91.411 Alt./91.413 Trans. due 8-2000TSMOH Engine #2 618.5 Prop #2 83.4ELT Battery Due 8-1999

Completed 5000 Hr. Inspections.

C+W All Yearly, 100; + 500 Hr, + Special Inspection Items per MaintenanceManual. Replaced pneumatic system inlet filter. Replaced both hydraulic filters.Resealed both upper fuel access openings. Replaced right wing (outer flap)rib using original holes. Replaced both propeller de-ice circuit breakers.Replaced left main landing gear schrader valve + serviced with MIL-H-5606+ nitrogen. Adjusted flap up + down limit switches. Test run + ops check. OK

OVER



DATE

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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.

d Alterations

ate Number of
pecific entries.)

W.O. # 5485 TOTAL TIME IN SERVICE 5225.5 DATE 4-6-99

SIGNED Jeff Williamson FOR NORTH STAR AVIATION FAA CRS #NUTR521L

I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNED Jeff Williamson FOR NORTH STAR AVIATION FAA CRS #NUTR521L



NORTH STAR

Route 5, Box 120 Mankato, MN 56001 507-625-6006

4-21-99 525.5 hobb. Removal defective Encoding altimeter
EA-801A S/N 552, Installed overhauled unit. EA801A
S/N 1354. ops ✓ good. Static system Leak ✓ good

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. # 2559 TOTAL TIME IN SERVICE 525.5 DATE 4-21-99

SIGNED Steve A. Smith FOR NORTH STAR AVIATION FAA CRS #NUTR521L

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	Hobbs	541.4	c/w 50 Hr	Ins checked lights tires Brakes replaced Fly motor P/N 9910055-1 S/N 136 Ground Run + OPS OK

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. # 5560 TOTAL TIME IN SERVICE 5274.7 DATE 5/19/99

SIGNED Peterson FOR NORTH STAR AVIATION FAA CRS #NUTR521L

I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN 50 Hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNED Peterson FOR NORTH STAR AVIATION FAA CRS #NUTR521L

8/31/99	Hobbs	570.0	Replaced	ELT Battery with new. c/w Inspection per FAR 91.207(d).
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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. # 5819 TOTAL TIME IN SERVICE 570.0 DATE 8/31/99

SIGNED Jeff Williamson 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.)
5/19/99	Hobbs	541.4	c/w 50 Hr	Insp checked lights tires Brakes replaced Flap motor P/N 9910055-1 S/N 136 Ground Run + OPS JOK

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. # 5560 TOTAL TIME IN SERVICE 5274.7 DATE 5/19/99

SIGNED Petrick WL FOR NORTH STAR AVIATION FAA CRS #NUTR521L

I CERTIFY THAT THE AIRCRAFT AND/OR ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN 50 Hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

SIGNED Petrick WL FOR NORTH STAR AVIATION FAA CRS #NUTR521L

8/31/99	Hobbs	570.0	Replaced	ELT Battery with new. c/w Inspection per FAR 91.207(d).
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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. # 5819 TOTAL TIME IN SERVICE 570.0 DATE 8/31/99

SIGNED Jeff Williamson FOR NORTH STAR AVIATION FAA CRS #NUTR521L

DA	MODEL	CESSNA 414A	NORTH STAR AVIATION	DATE	12-01-99	ons
19	SERIAL #	414A-0808	RT. 5, BOX 120	W/O	5998	of
	REG #	6822U	MANKATO, MN 56001	HOBBS	585	s.)
			FAA REPAIR STATION #NUTR521L	A/C TT	5318	
			LOGBOOK INSERT			
	1. COMPLETED ANNUAL INSPECTION IN ACCORDANCE WITH CESSNA 414A MAINTENACE MANUAL AND INSPECTION FORM. 2. CMW 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 PNEUMATIC 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 <u>12/01/99</u>		SIGNED <u>Jeff Williams</u>			

DATE

19

NORTH STAR
A V I A T I O N

Route 5, Box 120 Mankato, MN 56001 507-625-6006

2-2500 N6822U

I certify that the altimeter, static system, transponder, and altitude reporter test required by FARs 91.411, 91.413 & 91.217 have been performed and found to be within the limits of FAR 43 appendices E & F and AC 43.6a TESTED TO 30,000 ft

Altimeter Model EA-801A #1 S/N 1354 Model United #2 S/N 2A246

Transponder Model RT-859A #1 S/N 1588 Model X #2 S/N X

Altitude Model EA-801A #1 S/N 1354 Model X #2 S/N X

SIGNED

NORTH STAR AVIATION, INC. Mankato, MN 56001

FAA CRS# NUTR521L W/O# 2867

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nber of
entries.)

DATE

19

RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
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)

AirFlyte, Inc.32 Airport Drive, Westfield, MA 01086-1508
FAA CRS QFYR349K

Date: 03/07/1900

A/C: N6822U

AFTT: 5342.2

W.O. #: 1541

Model: 414A

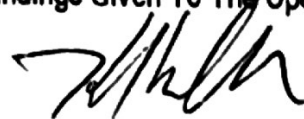
Tach: 609.2

Logbook Attachment
Airframe

S/N: 414A0808

Landings:

1. A Partial Prepurchase Evaluation Accomplished, The Engine Cowls, Inspection Panels On The Tail And The Nosecone Removed And Reinstalled. A List Of Findings Given To The Operator.

**AirFlyte, Inc.**32 Airport Drive, Westfield, MA 01086-1508
FAA CRS QFYR349K

Date: 03/17/1900

A/C: N6822U

AFTT: 5342.2

W.O. #: 1557

Model: 414A

609.2:

Logbook Attachment
Airframe

S/N: 0808

Landings:

1. Serviced Left Strut With Nitrogen And Serviced Main Tires



DATE 7/13/00	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.)
7/13/00	Hobbs	639.4	R:R R/H Air Cond.	Evap Blower Motor R/N C414005-0101 RX S/N on ACM 1016 S/N off ACM 422, serviced Freon in A/C system B. N. NUTR 521 L See work 6448.



GREGG AIRCRAFT SERVICES, INC.
903-643-0980

N6822U 8-30-00 HR. MTR.: 649.3 TTA: 5382.3
Complied with an annual inspection in accordance with Cessna 414A checklist. Complied with AD96-20-07 by pressure decay test of heater combustion tube and test of combustion air switch; satisfactory. ELT function tested in accordance with FAR 91.207(d); satisfactory. Complied with AD2000-01-16 by inspection of exhaust system in accordance with Fig. 1(b), (c), (e) on left and right sides. Found to be airworthy.
I certify this aircraft has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.
Byron C. Williams

Byron C. Williams

HT, HR.
MTR. 1322
Bur

DATE

19 _____

RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
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.)**GREGG AIRCRAFT SERVICES, INC.**
903-643-0980**N6822U****10-4-00****HR. MTR.: 681.7**

Removed and replaced right alternator with P/N 649304

S/N A-154991. Function check good.

Timothy K. Stroman

A stylized, handwritten signature in dark ink, appearing to read 'Timothy K. Stroman', written over a horizontal line.

A&P466594753

DATE

19

RECORD
TACH
TIME

GREGG AIRCRAFT SERVICES, INC.
903-643-0980

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

Iterations
Number of
ific entries.)

DATE

19

RECORD II
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

I Certify That Altimeter/Encoding and static system tests
Required By FAR Part 91.411 Have Been Performed

-1000 TO 35,000 FEET

Altimeters:

LH S/N 1354 Date 12 Dec 00

RH S/N N/A Date N/A

Air Date Computers

S/N N/A Date N/A

By: [Signature] W/O 33-7343

TAC Air
Shreveport, Louisiana

CRS #RTAR810H

I Certify That ATC Transponder Inspection & Tests,
Required By FAR Part 91.413, Have Been Performed

Model ARC S/N 1588

Model N/A S/N N/A

W.O. 33-7343 Date 12 Dec 00

By: [Signature]

TAC Air
Shreveport, Louisiana

CRS #RTAR810H

DATE

19 _____

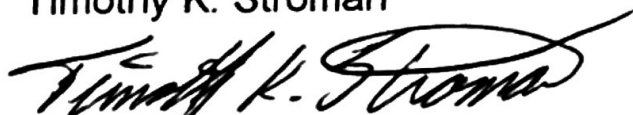
RECORDING
TACH
TIMETODAYS
FLIGHTTOTAL
TIME IN
SERVICE**Description of Inspections, Tests, Repairs and Alterations**

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

and serviced parking brake handle shaft and pivot point. Exterior light inspection complied with per 800-hour requirement. Cabin door hinges inspection (400-hour) and cabin door hinges eddy-current inspection(6000) complied with by replacement of both cabin door hinges per MEB98-11. Also replaced hinge pivot bolts. Wing skins inspected for debonding per 400-hour/1 year requirement. Starter brushes inspected per 400-hour requirement.

I certify this aircraft has been inspected in accordance with a 100-hour inspection and was found to be in an airworthy condition.

Timothy K. Stroman



A&P466594753

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.)
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GREGG AIRCRAFT SERVICES, INC.
903-643-0980

N6822U

8-31-01

HOBBS: 1009.3

Removed and replaced altimeter ARC P/N on 43300-61288
 S/N on 2648. P/N off 43300-61288 S/N off 1354. Static
 system leak check within limits.

Timothy K. Stroman

A&P466594753

This altimeter has been inspected,
 tested, and certified to comply with
 FAR 91.411 per FAR 43 Appendix E
 to an altitude of 35000 ft.

PN 43300-61288 SN 2648

WO# 543295 DATE 8-30-01

Inspection AS

Altimeter Type: ☒ Encoding ☐ Standard

☒ Mid-Continent Instrument Co. - Wichita, KS

☐ Mid-Continent West - VanNuys, CA

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	NA.	MTR.	1011.5	REPLACED RIGHT EVAPORATOR BLOWER MOTOR. SERVICED WITH R-12 FREON. MOTOR P/N HE81293-3. Byron C. Wilkins AWP2021731
10-12-01	1052.7			Replaced Rt. ALTERNATOR OPS. CHK. GOOD P/N ON 649304 AT S/N 011A034R. Timothy K. Stroman A&P466594753



GREGG AIRCRAFT SERVICES, INC.
903-643-0980

N6822U 10-25-01 HOBBS: 1069.7
Replaced left vacuum pump with new Airborne 442CW
S/N 7AU201. Ops check good.
Timothy K. Stroman

Timothy K. Stroman
A&P466594753

[illegible]

DATE	RECORDING TACH TIME
19 _____	



GREGG AIRCRAFT SERVICES, INC.
903-643-0980

ations
nber of
entries.)

N6822U 12-1-01 HOBBS: 1105.5 ACTT: 5838.8
Performed 100 hour inspection in accordance with Cessna 414A
100-hour inspection form 100 hour items. Complied with
AD 2000-01-16 para "b". No defects noted. Next due hobbs
1155.5. Replaced spring on upper cabin door outside handle.
Replaced left and right precooler door control cables. Ops check
good. Replaced left landing light bulb. Ops check good. Replaced
left wing inboard deice boot with IceShield P/N SMR5070-07.
See FAA Form 337.
I certify this aircraft has been inspected in accordance with a 100-
hour inspection and was found to be in an airworthy condition.
Timothy K. Stroman
A&P466594753
Timothy K. Stroman

2-6-02	HR	MTR	MTR. 1106.8	REPLACED HEATER ASSEMBLY WITH EXCHANGE UNIT P/N FR13E55-1EL, MODEL B4500, S/N A02010017. HEATER HR MTR. IS 1394.3. FUNCTION TEST GOOD. Byron C. Williams A&P2021731
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19. _____

RECO TACH TIME



GREGG AIRCRAFT SERVICES, INC.
903-643-0980

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

Timothy J. Spence
A&P466594753



GREGG AIRCRAFT SERVICES, INC.
903-643-0980

N6822U 3-12-02 HR. MTR. 1305.4 TTA: ~~5962.5~~

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 Custom II 650 x 10 8 ply.
Byron C. Williams

A&P2021731

ms
Byron C. Wilkins

Alterations
(Number of
specific entries.)

TTA:

5891.1

OH Br

TTA:

5962.7

HR. MTR. NEW LOG 76.2 HRS.

TTA = HR. MTR + ~~4580.9~~ 4657.1 *Rv*

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.)
				<div data-bbox="310 284 638 438" data-label="Image"> </div> <div data-bbox="632 409 1331 508" data-label="Text"> <p>GREGG AIRCRAFT SERVICES, INC. 903-643-0980</p> </div> <div data-bbox="302 555 1589 616" data-label="Text"> <p>N6822U 6-10-02 HR. MTR.: 1396.9 TTA: 5977.8</p> </div> <div data-bbox="302 608 1528 711" data-label="Text"> <p>Completed a 100-hour inspection in accordance with Cessna 414A Checklist. Completed 50-100 and 200 hour items.</p> </div> <div data-bbox="302 705 1518 813" data-label="Text"> <p>I certify this aircraft has been inspected in accordance with a 100-hour inspection and was found to be in an airworthy condition.</p> </div> <div data-bbox="302 805 590 853" data-label="Text"> <p>Jordan Groody</p> </div> <div data-bbox="302 951 602 996" data-label="Text"> <p>A&P556970478</p> </div> <div data-bbox="1732 462 2058 616" data-label="Text"> <p><i>Rv</i> TTA: 6054.0</p> </div>

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.)
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GREGG AIRCRAFT SERVICES, INC.
903-643-0980

N6822U 9-17-02 HR. MTR.: 1478.1 TTA: 6059.0

Completed an annual inspection using Cessna 414A checklist. ELT functionally tested in accordance with FAR 91.207(d); satisfactory. ELT battery change due 5-03. Replaced tail strobe assembly P/N A506. Repaired hydraulic suction line in right inboard leading edge by cutting out damaged area and installing an AN815-10D union. Leak check good. Replaced both instrument air regulator filters B3-5-1. Replaced door extender P/N 5311330-3 on left fwd. most baggage door and both nacelle doors. Replaced left and right system hydraulic filters and A/C system filter.

I certify this aircraft has been inspected in accordance with an annual inspection and was found to be in an airworthy condition.
 Byron C. Williams

IA2021731

HR METER RAN 19.5 HRS

TTAF = HR METER + 4561.4

9657.6
556970478

DATE

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GREGG AIRCRAFT SERVICES, INC.
 RT. 3, EAST TEXAS REGIONAL AIRPORT
 LONGVIEW, TX 75603
 903-643-0980

N6822U

12-11-02

HOBBS: 1549.6 TTAF: ~~6111.0~~

HOBBS METER CORRECTION: 19.5 HRS. Replaced right and left main tires with Goodyear 6.50 x 10 8 ply FCIII. Cleaned and repacked main wheel bearings. Balanced and reinstalled assemblies.

Complied with AD2000-01-16 Sec. "B" and "E" by visual inspection and pressure check. Replaced door support cables on cabin door.

Jordan Groody

A&P556970478

Ben
 *GOOD #TTAF:
 (6187.2)

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.)
19				

Arrow Aviation

Page 1

NE: N6822U SN: 414A0808 HM/TACH: 1601.8
 A/C TT: .0 HEATER TIME: .0 LANDINGS:
 #1 ENGINE: .0 T.S.N. T.S.O.: .0 CYCLES: #1 PROP:
 #2 ENGINE: .0 T.S.N. T.S.O.: .0 CYCLES: #2 PROP:

LUBED WASTEGATE AND ADJUSTED LEFT ENGINE MANIFOLD PRESSURE. REMOVED #4 CYLINDER AND
 INSTALLED CUSTOMER FURNISHED CYLINDER. INSTALLED CUSTOMER FURNISHED LEFT ENGINE TURBO
 OVERBOARD PIPE, P/N K9910299-1, S/N 108994. GROUND RUN AND OPS CHECKED GOOD.

ROBERT BIRDWELL # AP457339876

Robert Birdwell

Date: 4-17-03

