

TOTAL
TIME IN
SERVICE

Description of Inspection, Tests, Repairs and Alterations

or Rep

Detroit Lakes Aircraft Inc.

Phone: 218-847-3233

24813 Hiway 10 West

Fax: 218-847-8299

Post Office Box 1681

Detroit Lakes, MN 56502

Piper-43-220T Seneca III

SN: 34-83-33043

Checked all components for security and operation

Replaced Nose Gear Trunyan Bolt.

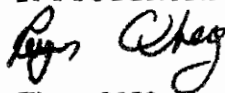
Replaced ELT Battery, July 01, replaced AN174-7A rudder bolts

Date: June 8, 1999

I certify that this aircraft has been inspected in accordance with a annual inspection and was determined to be in airworthy condition. Pertinent details of the repairs are on file at this agency. Roger Oberg AP470803529

Signed:

470803529AP



N#: 4293X

Tach Time: 3656

[Redacted]

Detroit Lakes Aircraft Inc.
24813 Hiway 10 West
Post Office Box 1681
Piper-43-220T Seneca III

Phone: 218-847-3233
Fax: 218-847-8299
Detroit Lakes, MN 56502

SN: 34-83-33043

Checked all components for security and Operations

Date: July, 2000

I certify that this aircraft has been inspected in accordance with a annual inspection and was determined to be in airworthy condition. Pertinent details of the repairs are on file at this agency. Roger Oberg AP470803529

Signed:

Roger Oberg 470803529

470803529AP

Roger Oberg

N#: 4293X

Tach Time: 3830

RECORDING NAME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Entries must be endorsed with Name, Rating and Certificate Number of Technician Facility. (See back pages for other specific entries.)
			<p>The altimeter and encoder tests required by CFR 14 Part 91.411 have been performed, and found to comply with CFR 14 Part 43 Appendix E Paragraph(b) Altimeter S/N _____</p> <p>tested to <u>25,000</u> feet, date <u>11/22/00</u> .Encoder S/N _____</p> <p>tested to <u>24,000</u> feet, date <u>11/22/00</u> .The Static system tests have been performed and found to comply with CFR 14 Part 43 Appendix E, paragraph (a) <u>JK</u> .The ATC transponder tests required by CFR 14 Part 91.413 have been performed and found to comply with CFR 14 Part 43 Appendix F. Transponder model <u>KT 29</u> S.N. <u>1277</u> .</p> <p>The integrated system has been tested and found to comply with Part 43 Appendix E, Paragraph (c) Details of these inspections are on file at this repair station under Work Order Number <u>2754</u> .</p> <p>Signed <u>[Signature]</u> date <u>11/22/00</u> .</p> <p>Way-Point Avionics Inc. CRS PS5D130N .</p>

PART DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
15-01		Hobs	3956

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair

AERO PROPELLER & ACCESSORIES, INC.

#GQ6R570N

JUNE 8, 2001

WO #13551

HARTZELL GOVERNOR:

MOD: E-8-7L,

S/N: 4444SJ

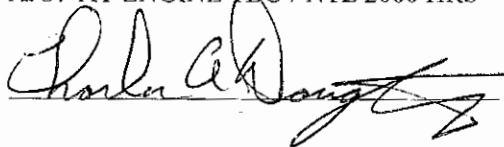
OVERHAUL AND TEST GOVERNOR

IN ACCORDANCE WITH:

S.M.: 130B

SB: 61-247

TBO: AT ENGINE TBO / NTE 2000 HRS



4293x

DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and A Entries must be endorsed with Name, Rating and Certificate
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6-25-01

Hours

3/50

AERO PROPELLER & ACCESSORIES, INC.

#GQ6R570N

JUNE 11, 2001

WO #13552

HARTZELL GOVERNOR:

MOD: U3-8

S/N: 34YJ

OVERHAUL AND TEST GOVERNOR

IN ACCORDANCE WITH:

S.M.: 130B

TBO: AT ENGINE TBO / NTE 2000 HRS



YEAR:

RECORDING
TACHTODAY'S
FLIGHTTOTAL
TIME IN

Description of Inspections, Tests, Repairs and Alterations

AERO PROPELLER & ACCESSORIES, INC.

#GQ6R570N

JUNE 8, 2001

WO #13536.

MCCAULEY PROPELLER

MODEL: 3AF32C509-B

SN 822565

BLADE DESIGN: GL82NFA-6

BLADE SN'S: CC168, CC211, CC237

OVERHAUL PROPELLER

IN ACCORDANCE WITH:

S.M.: 810915

S.L.: AS APPLICABLE THRU 2001-1

S.B.: AS APPLICABLE THRU 227A

BLADES ARE CLOSE TO MINIMUM WIDTH

TBO: 2000 HRS / 6 YRS

EC Dahlquist

AERO PROPELLER & ACCESSORIES, INC.

#GQ6R570N

JUNE 8, 2001

WO #13536

MCCAULEY PROPELLER

MODEL: 3AF32C508-B

SN 823029

BLADE DESIGN: G82NFA-6

BLADE SN'S: BI700, CB727, CB830

OVERHAUL PROPELLER

IN ACCORDANCE WITH:

S.M.: 810915

S.L.: AS APPLICABLE THRU 2001-1

S.B.: AS APPLICABLE THRU 227A

TBO: 2000 HRS / 6 YRS

EC Dahlquist

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S 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.)
6-25-01	3754			installed factory engines TSTO 360 LHO SN 812150 R TSTO 360 RHO SN 811930 R
				engine mount repainted
				new de ice brushes both sides
				new nose gear tire
				new brake pads
				new oil filter
				new engine shock mounts
				new engine slack belts
				to remove oil and oil filter

RECORDING
TACH
TIME

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations
Entries must be endorsed with Name, Rating and Certificate Number of Technician.
Facility. (See back pages for other specific entries.)

DATE 03/21/02 A/C HRS. 40853 N# 4293 X

1100
aircraft Log Book.

Replaced aircraft EGT gauge and
calibrated system to specs.

For pertinent details of this maintenance action reference

Work Order(s)

9931

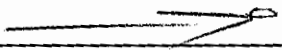
Signed:

R. M. Mull



Des Moines Flying Service, Inc.
Des Moines, Iowa
FAA Approved Repair Station
G9CR485J

Issued in Lieu of Logbook Entry.

DATE	RECORDING TACH TIME	TODAY'S 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.)
11-02	4191.6		4191.6	ELT AUG 03 HEATER HOBBS 1171.5
				1. ANNUAL INSPECTION COMPLETED THIS DATE.
				2. REPLACED BOTH BRAKE ROTORS
				3. REPLACED BUSHING IN THE ELEVATOR TRIM ACTUATOR
				4. REPLACED FUEL CAP GASKETS
				5. RESEALED ALL WINDOWS
				6. OXYGEN TANK HYDROSTATIC TESTED.
				7. REPLACED INSTRUMENT AIR FILTER & VAC RELIEF FILTERS
				8. REPLACED LOOSE RIVETS ON RIGHT FLAP
				9. REPLACED LEFT INNER SUMP DRAIN
				10. REPLACED HYDRAULIC PUMP MOTOR BRUSHES
				11. REPLACED REAR DOOR SEAL 

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12.				REPLACED BOLT & BUSHINGS IN THE NOSE GEAR STEERING ARM.
13.	C/W AD	92-08-04		RUDDER TORQUE TUBE BY INSPECTION.
14.	C/W AD	93-24-11		NOSE GEAR DRAG LINK BOLT REPLACEMENT.
15	JANAERO	NEATER		IS INOPERATIVE UNTIL AD 96-20-07
				PRESSURE DECAY TEST AND AD 2001-17-13 FUEL REGULATOR
				SHUTOFF VALVE INSPECTION ARE COMPLIED WITH.
16.	ELT TESTED	IAW	FAR	91.207D.

I certify that this aircraft has been inspected in accordance with an ~~100~~ annual inspection and was determined to be in an airworthy condition.

Frank R. Pottier 358466356 TA

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of the Technician performing the work at this Facility. (See back pages for other specific entries.)
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The altimeter and encoder tests required by CFR 14 Part 91 411 have been performed and found to comply with CFR 14 Part 43 Appendix E Paragraph(b) Altimeter S/N _____
 tested to 20000 feet, date 11/20/02. Encoder S/N _____
 tested to 20000 feet, date 11/20/02. The Static system tests have been performed and found to comply with CFR 14 Part 43 Appendix E, paragraph (a) OK. The ATC Transponder tests required by CFR 14 Part 91 413 have been performed and found to comply with CFR 14 Part 43 Appendix F. Transponder model 15779 S/N 1277. The integrated system has been tested and found to comply with Part 43 Appendix E, Paragraph (c) OK. Details of these inspections are on file at this repair station under Work Order Number 3449.
 Signed Chris Nelson date 11/20/02
 Way-Point Avionics Inc. CRS PS5D130N

YEAR:

Iterations

Number of Technician or Repair

DATE

MM, cycled gear, ops check OK... (42) Replaced torque link upper bushings with Qty 2 new 67026-13.
 Replaced lower bushings with Qty 2 new 67026-07 and torque link hinge point bushings with Qty 2 new
 751 369.... (43) Paralleled alternators per Seneca MM. ops check ok.... (44) C/W AD 98-20-07 cabin heater
 PDT IAW AD instructions. no defects noted at this time (45) ... (46) ... (47) ...

Date: 11/16/03 Hobbs: N/A TT: 4365.5 TSO: N/A certify that this Aircraft has been inspected in
 accordance with an Annual inspection and was determined to be in an airworthy condition. Work Order:
4627 Signed: [Signature] for Fargo Jet Center, Inc. 3802 20th ST. North Fargo, ND 58102 FAA Approved
 Repair Station No. OTURO1ED

DATE: 9/16/2003

SIGNED:

WORK ORDER: 4627

Printed by EBis (<http://www.datcomedia.com>)

The altimeter and encoder tests required by CFR 14 Part 91.411 have been performed and
 found to comply with CFR 14 Part 43 Appendix E Paragraph (b). Altimeter S/N _____
 tested to _____ feet, date ____/____/____. Encoder S/N _____
 tested to _____ feet, date ____/____/____. The static system tests have been
 performed and found to comply with CFR 14 Part 43 Appendix E, paragraph (a). _____ The ATC
 transponder tests required by CFR 14 Part 91.413 have been performed and found to comply with CFR 14
 Part 43 Appendix F. Transponder model 14779 SN 1277
 The integrated system has been tested and found to comply with Part 43 Appendix E, Paragraph (c). _____
 Details of these inspections are on file at this repair station under Work Order Number 4303

Signed [Signature] date 11/10/03

Way-Point Avionics Inc. CRS PS5D130N

YEAR: RE
TA
TII
DATE

MAKE: Piper
MODEL: PA34-220T
S/N: 34-8333043
REG. NO: 4293X
WORK ORDER: 4627



Fargo Jet Center, Inc.

3802 20th St North
Fargo, ND 58102
Phone: 701-235-3600

DATE: 9/16/2003
TTA:
HOBBS: 4365.5

ons
of Technician

Repair Station No. CTUR016D

Airframe Entries

(1) C/W annual /100 hour inspection IAW the Piper PA34-220T service manual inspection check list. ... (10) C/W ELT FAR 91.207(d) inspection... (11) Replaced upper torque link bushings with Qty 2 new 67026-13. Replace lower bushings with Qty 2 new 67026-07.... (13) Replaced the L/H vacuum regulator filter with a new B3-5-1 filter.... (14) Replaced the R/H vacuum regulator filter with a new B3-5-1 filter.... (15) Replaced L/H engine air filter with a new BA-3 filter.... (16) Replaced R/H engine air filter with a new BA-3 filter.... (17) Safetied turbo exhaust clamps and bypass valve on L/H engine. IAW the Piper PA34-220T ser.man.... (18) Safetied turbo exhaust clamps on R/H engine. IAW the Piper PA34-220T ser.man.... (19) Sealed cables going through L/H firewall as needed ... (22) Adjusted R/H prop de-ice brush block as needed for proper alignment with slip ring... (23) Replaced rivets with new CR3213-5-01 cheery rivets... (24) Replaced rivets with new CR3213-6-02 cheery rivets... (25) Replaced rivets with new CR3213-5-01 cheery rivets... (26) Stop drilled crack on both ends with a # 40 drill bit... (27) Removed rudder and insp torque tube & fitting. Installed new AN 4-15A bolts as per Piper SB-899 & kit #784-100 instructions. Installed rudder assy IAW the Piper PA34-220T Ser. Man. ... (28) installed new static wicks... (29) Replaced ELT cover screws with the proper 486-281 plastic screws.... (30) Replaced R/H main tire with a new tire. IAW the Piper PA34-220T Ser. Man. ... (31) Resealed L/H side FWD door seal to top of door.... (32) Sealed antennas on top of cabin as needed.... (33) Applied new conductive cement to all de-ice boots.... (34) Removed L/H & R/H control and deflate valves. Cleaned carbon from valves and solinoids. rinstalled valves, ground checked ok. ... (35) Replaced o-rings in the L/H brake caliper with new MS28775-222 o-rings.... (36) removed and replaced with new 00-10-009 elt battery.Next due 10/05... (37) Replaced L/H flap FWD rod end with a new 452-335 unit. Ops checked ok.... (38) Replaced R/H flap FWD rod end with a new 452-335 unit. Ops checked ok.... (39) Replaced L/H & R/H aileron pulleys under #3 & 4 seats at wing root with new 481-611 pulleys.... (40) Removed and replaced link

YEAR:

DATE

assy with new assy P/N 39472-003. Cycled gear checked OK... (41) Cleaned and lubed hooks and pivots, adjusted hooks IAW MM, cycled gear, ops check OK... (42) Replaced torque link upper bushings with Qty 2 new 67026-13. Replaced lower bushings with Qty 2 new 67026-07 and torque linque hinge point bushings with Qty 2 new 751 369.... (43) Paralleled alternators per Seneca MM. op check ok.... (44) C/W AD 96-20-07 cabin heater PDT IAW AD instructions. no defects noted at this time. Next due 10-01-2005 55.5 Heater hobbs or ... (45) Cleaned and and tested deice boot indicator switch. Operational check o.k.

Date: 9/16/03 Hobbs: 4265.5 TT: 4365.5 TSO: N/A I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. Work Order: 4627 Signed: [Signature] for Fargo Jet Center, Inc. 3602 20Th ST. North Fargo, ND 58102 FAA Approved Repair Station No. CTURO16D

DATE: 9/16/2003

SIGNED:

[Signature]

WORK ORDER: 4627

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Iterations

Number of Technician or Repair

End

YE

N 4293X WO# 4627 ACTT: 4365.5

DA

- CIW AD 2001-17-13 Cabin heater fuel regulator shut off valve inspection JAW AD instructions on SB. No leakage noted at this time
- CIW AD 2003-11-14 Cabin heater fuel ~~shut off~~ pump inspection. No leakage found at this time.
- AD 2001-17-13 due a next installation of valve.
- AD 99-14-01 insertion of icing hazard installed in P.O.M.

I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service. Pertinent details of the repair are on file at the agency under Work Order

No. 4627

Date

9-16-01

Signed

T. J. [Signature]

For Fargo Jet Center, Inc.

FAA Approved Repair Station No. CTUR0180

Alterations

ite Number of Technician or Repair



D.L. Aviation, Inc.
24813 Hwy 10 West
Detroit Lakes, MN 56501
Ph: 218-847-3233
Fax: 218-847-8299

11293X Date: 10/15/2004 Hobbs: 4485.9 ACTT: 4485.9

- C/W an Annual inspection IAW Piper PA34-220T Inspection Checklist.
- Replaced vacuum hoses on engines as needed.
- Replaced both L/H and R/H engine flexible fluid carrying hoses with new.
- Replaced both vacuum relief filters with new PN: B3-5-1.
- Replaced both L/H and R/H engine induction air filters with new PN: BA-3.
- Replaced spark plugs in both L/H and R/H engines with new PN: URHM38E.
- Replaced nose wheel axle tube and spacers with new parts PN: 86062-086 axle and 66618-003.
- Replaced brake linings on L/H main landing gear with new PN: 066-06200.
- Continued on next page.....

- Continued from previous page.....
- Replaced wing de-ice detection light with new PN: GE1383.
- Replaced R/H engine turbocharger oil feed line with new PN: MS21919WDG6.
- Replaced positive strap on aircraft battery with new PN: 66616-002.
- Replaced brushes in cabin heater combustion blower motor with new PN: 25T64-1-1.
- Replaced L/H engine L/H magneto with a rebuilt magneto PN: BL-500556-103 SN: D04LA094R see Teledyne Continental Motors W/O P74914 dated 12/10/2004 for details of the repair.
- Replaced R/H engine L/H magneto with a rebuilt magneto PN: BL-500556-101 SN: D04LA118R see Teledyne Continental Motors W/O# P75011 dated 12/13/2004 for details of the repair.
- Replaced one (1) airbox fastener on the R/H engine and three (3) on the L/H engine airbox with new PN: 494-060 and 487-724.
- Replaced L/H main landing gear door with a new unit PN: 67090-014 and hinge on the aircraft with new PN: 67093-004 installed using new hinge pin PN: 63744-011.
- Continued on next page.....

- Continued from previous page.....
- Replaced hinges on R/H landing gear door and airframe with new PN: 67095-01 and 67093-005 installed using new hinge PN: 63744-014.
- Replaced seals on L/H main landing gear strut with new PN: 187-628 and MS28775-227 serviced with MIL-H-5606 and dry nitrogen.
- All work performed IAW Piper Model PA34-220T and other required maintenance manuals.
- Ground run-up leak and functional checks ok.

Model 7H-2-194 ELT, Serial Number 134852
Was inspected on 10/12/2004 in accordance with
FAA action/notice A8150.3 and found to meet
Requirements of FAR 91.207(d).
Battery due September 2006

Signed: Mike DeVries A&P 483744068 IA Date: 10/15/2004

Mike DeVries

D.L. Aviation, Inc.

24813 Hwy 10 West Detroit Lakes, MN 56501

Date: 10/15/2004 Hobbs Mtr: 4489.5 ACTT: 4489.5
certify that this Aircraft
has been inspected in accordance with a Annual
inspection and was determined to be in an airworthy condition.

Signed: Mike DeVries A&P 483744068 IA Date: 10/15/2004

Mike DeVries

D.L. Aviation, Inc.

24813 Hwy 10 West Detroit Lakes, MN 56501

N4293X HCBBS 4541.5

The altimeter and encoder tests required by CFR 14 Part 91.411 have been performed and found to comply with CFR 14 Part 43 Appendix E Paragraph (b)

ALTIMETER S/N 28750 tested to 35 000 feet, dated 06/21/05

ENCODER S/N 56334 tested to 25 000 feet, dated 06/21/05

The static system tests have been performed and found to comply with CFR 14 Part 43 Appendix E Paragraph (a)

The ATC transponder tests required by CFR 14 Part 91.413 have been performed and found to comply with CFR 14 Part 43 Appendix F

Transponder Model KT79 S/N 1277

The integrated system has been tested and found to comply with Part 43 Appendix E Paragraph

(c) Details of these inspections are on file at this repair station under

Work Order Number AV5613

Signed



Date 06/21/05

WAY-POINT AVIONICS INC CRS PS5D130N

TODAY'S 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 <i>24813 Hwy 10 West Beartooth Flight Center, Inc Detroit Lakes, MN 56501</i> <i>Ph: 218-847-3233 Fax: 218-847-8299</i> N4293X 10-28-2005 Tach:4592.1 → Removed and replaced main gear strut seals IAW piper PA-34-220T service, and other required maintenance manuals. Replaced P/N (2) ms28775-227 (2) 485-082 (2) 187-628 (2) 484-828 (2) 484-714 (2) 484-684 (2) 584-127 → Serviced struts with MIL-H-5606 fluid and charged with Dry Nitrogen. → All work performed IAW Piper, and other required maintenance manuals, no leaks noted. I certify that the aircraft, <u>airframe</u> , aircraft engine, or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service. Signed: <u>Daniel R. [Signature]</u> AS P1703467-IA Date: <u>10/28/05</u> Beartooth Flight Center, Inc. 24813 Hwy 10 West Detroit Lakes MN 56501

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VICE

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)

YEAR

DATE

24813 Hwy 10 West
Beartooth Flight Center, Inc
Detroit Lakes, MN 56501

Ph: 218-847-3233
Fax: 218-847-8299

N4293X 5-5-06 Tach:4592.1

- C/W a Annual inspection IAW Piper Model PA-34-220T maintenance manual and inspection guide checklist.
- Removed and replaced Induction air filters P/N BA-3.
- Removed and replaced fuel strainer gaskets P/N 751-898.
- Removed and replaced vacuum regulator filter P/N B3-5-1.
- Inspected ELT IAW 91.207(d) Narco. Mod. ELT 10
- Ser # A20385. Remove and replace battery, replacement date June 2008.
- C/W AD 2004-25-16 R1 by visual inspection IAW S.B. #A-107A.
- C/W AD 2004-21-05 by disabling heater and placarding inoperative.
- All work performed IAW Piper, and other required maintenance manuals, no leaks noted.

Description of Inspections, Tests, Repairs and Alterations

Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair
Certificate. (See back cover for further specifications.)

24813 Hwy 10 West
Beartooth Flight Center, Inc
Detroit Lakes, MN 56501

Ph: 218-847-3233
Fax: 218-847-8299

N4293X 5-5-06 Tach:4592.1

I certify that the aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service.

Signed:

Ronald Lewis AIP 1703467IA

Date:

5/5/06

Beartooth Flight Center, Inc.

24813 Hwy 10 West Detroit Lakes MN 56501

N4293X HOBBS 4831.5 ACTT 4831.5 DATE 8/11/08

Completed AD search thru this date. See Ad list for compliance
ELT tested IAW FAR 91.207(d) Replaced battery. Next due 8/10

Replaced engine air filters with new units

Replaced vacuum relief filters with new units

Secured main cabin door seal as needed

Replaced LH and RH engine oil fill door rivets with new

Installed new window heat plate rubber bumper P/N 31637-003

Replaced de-ice actuating valve with overhauled unit P/N 1H44-20 S/N 8057-12

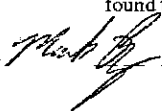
Replaced LH engine pneumatic valve with overhauled unit P/N 1H43-20

Replaced RH engine tach generator with new unit

Replaced RH fuel boost pump with overhauled unit P/N 2B6-44 S/N 12B1101

I certify that this aircraft has been inspected IAW an annual inspection and was
found to be in an airworthy condition.

Signed

 ASP 3024744 IA Date 8/11/08

Detroit Lakes Aviation
24813 Hwy 10 W
Detroit Lakes MN 56501

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S 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.)
				Piper PA 34-220 Ser# 34-8333043 N4293X 9/26/06 4686.8 Hobbs & Total Time / 366.9 Heater Hobbs C/W AD 04-21-05 Heater combustion tube & air pressure switch test completed this date. Reconnected heater and removed placard. Replaced seals and snubber strip on both doors. <i>Bryce Klunget</i> A&P2225109 I.A.

RECORDING TACH TIME	TODAY'S 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.)
4708.2	Hobbs	Total Time	1378.7 Heater Hobbs
motor.	Replaced	#	39D18 heater combustion air motor with new #90E95-1 spark plug. Cycled heater for return to service.
to service.	By	R. Kluge	A/P2225109IA
	Aircraft N#4293X		Hobbs time- 4794.4
	Installed overhauled vacuum pump on LH engine, PN- 441CC-7, SN- 125771, Ground ran aircraft Ops checked good.		
	I certify that the aircraft, airframe, aircraft engine, or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service.		
	Signed: Erik Carlson	AP2826620	Date: 9/19/07
	Detroit Lakes Aviation, Inc. 24813 Hwy 10 West Detroit Lakes, MN 56501		

YEAR:

RECORDING

TODAY'S

TOTAL

Description of Inspect

N4293X TACH ^{4738.6} 4738.6 ACTT ~~4485.9~~ DATE 6/7/07

ELT INSPECTED IAW FAR 91.207D
AD RESEARCH COMPLETED THRU THIS DATE
SEE AD LIST FOR COMPLIANCE
SERVICED OXYGEN SYSTEM
REMOVED AND REPLACED BRAKE PADS ON RIGHT MAIN GEAR

I certify that this aircraft has been inspected jaw an ANNUAL inspection and found
to be in an airworthy condition

Signed



AOC 3201764 EA

Date

6/7/07

Detroit Lakes Aviation
24813 Hwy 10 West
Detroit Lakes MN 56501

Figuer
PA34-220T
48333043
NO: 4292X
WORKORDER: 010325



Fargo Jet Center, Inc.

Repair Station No. CTUR016D
3802 20th St North
Fargo, ND 58162 U.S.A.
Phone: 701-235-3600

DATE: 3/12/2009
A/C TSN: 299
HOBBBS: 4850.3

Work Entries

Tested Pilots Altimeter Model 5934 P/N 5934PAD-1 S/N 28750 to 30,000', Per Part 43 Apx E. Tested

and Encoder Model AR850 S/N 5634 to 30,000' Per Part 43 Apx F Tested ok.

and Transponder Mode IKT79 S/N 1277 Per Part 43 Apx F Tested ok.

Integrated system tested to 30,000 feet per Part 43 Test Ok.

and Pitot heat, tested ok. logbook Entry Made Applier stickers to altimeter

and system per part 43, test ok.... (2) Ramp tested system noted intermittent audio on com 2 removed #2
KY197 P/N 064-1021-00 s/n 72187 for bench test. Reinstalled repaired com and ramp tested ok. See
3 for repair.

Removed Com #1 King com KY197 P/N 064-1021-00 S/N 77061 for bench test. Customer deferred repair at
time pending parts to repair radio. Pulled and Banded Com 1 Breaker

By that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in
conformance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to
service for the work performed. Pertinent details of the repair are on file at the agency under Work Order No. 010325 Dated

3/12/2009

SIGNED:

Work Order: 010325

Dave Mohn

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Certified Repair Station No. CTUR016D

N4293X Hobbs 4850.3
The altimeter and encoder tests required by CFR 14 Part 91.411 have been performed and found to comply with CFR 14 Part 43 Appendix E Paragraph (b)
Altimeter #1 S/N 10325 tested to 30,000 feet, dated 03/12/09
Altimeter #2 S/N tested to 30,000 feet, dated 03/12/09
Encoder #1 S/N 5634 tested to 30,000 feet, dated 03/12/09
Encoder #2 S/N tested to 30,000 feet, dated 03/12/09
The static system tests have been performed and found to comply with CFR 14 Part 43 Appendix E Paragraph (a)
The ATC transponder tests required by CFR 14 Part 91.413 have been performed and found to comply with CFR 14 Part 43 Appendix F
Transponder #1 Model K179 S/N 1277
Transponder #2 Model S/N
The integrated system has been tested and found to comply with Part 43 Appendix E Paragraph (c). Details of these inspections are on file at this repair station under
Work Order Number 10183
Signed Date 03/12/09

Fargo Jet Center CRS CTUR016D

YEAR: | **RECORDING** | **TODAY'S** | **TOTAL** | **Description of Inspections, Tests, Repairs and Alterations**

Name, Rating and Certificate Number of Technician or Repair
her specific entries.)

N4293X HOBBS & TT 4890.5 DATE 8-19-09

AD search completed thru this date. See AD list for compliance
ELT tested IAW FAR 91.207(d). Battery due 8-10
Removed and replaced vacuum filters
Removed and replaced seals and o-rings on fuel strainers.

I certify that this aircraft has been inspected IAW an annual
inspection and was found to be in an airworthy condition.

Signed *Michael J. [Signature]* Date *8/19/09*

Detroit Lakes Aviation
24813 Hwy 10 W
Detroit Lakes MN 56501

YEAR: RECORDING TODAY'S TOTAL Description of Inspections, Tests, Repairs and Alterations

(Name, Rating and Certificate Number of Technician or Repair specific entries.)

N4293X HOBBS 4954.7 DATE 3-19-10

Removed and replaced main gear tires. Michelin 6.00X6 8ply.
Retract test ok
Removed and replaced brake pads on left main. P/N 066-06200
Serviced nose strut.

Signed *John G. [Signature]* Date *3/19/10*

Detroit Lakes Aviation
24813 Hwy 10 W
Detroit Lakes MN 56501

Multiple horizontal lines for recording inspection details.

N4293X HOBBS & TT 4998.5 DATE 9-23-10

AD search completed thru this date. See AD list for compliance.

ELT tested IAW FAR 91.207(d) Battery due 9-12

Removed oxygen bottle for hydro test. Reinstalled bottle and leak checked.

Removed and replaced gyro relief filters.

I certify that this aircraft has been inspected in accordance with an Annual inspection and was found to be in an airworthy condition.

Signed

Mark P. ASD 3204764 IA Date *9/23/10*

Detroit Lakes Aviation
24813 Hwy 10 W
Detroit Lakes MN 56501

N4293X Tach. 4999 3

The altimeter and encoder tests required by CFR 14 Part 91 411 have been performed and found to comply with CFR 14 Part 43 Appendix E Paragraph (b)

Altimeter #1 S/N	28750	tested to	25,000	feet, dated	10/7/10
Altimeter #2 S/N	--	tested to	--	feet, dated	--
Encoder #1 S/N	56334	tested to	25,000	feet, dated	10/7/10
Encoder #2 S/N	--	tested to	--	feet, dated	--

The static system tests have been performed and found to comply with CFR 14 Part 43 Appendix E Paragraph (a)

The ATC transponder tests required by CFR 14 Part 91 413 have been performed and found to comply with CFR 14 Part 43 Appendix F

Transponder #1 Model	KT79	S/N	1277
Transponder #2 Model	--	S/N	--

The integrated system has been tested and found to comply with Part 43 Appendix E Paragraph (c). Details of these inspections are on file at this repair station under

Work Order Number 12611

Signed


Fargo Jet Center CRS CTUR016D

Date 10/7/10

MAKE: Piper
MODEL: PA34-220T
S/N: 34-8333043
REG NO: 4293X
WORK ORDER: 012611



Fargo Jet Center, Inc.

Repair Station No. CTUR018D
3802 20th St North
Fargo, ND 58102 U.S.A.
Phone: 701-235-3600

DATE: 10/14/2010
A/C TSN: 448
HOBBS: 4999.3

Airframe Entries

(1) Complied with CFR 91.411 & 91.413 by accomplishing the following.

Tested pilot's altimeter model 5934PAD-1 S/N 28750 to 25,000' per part 43 apdx E; tested O.K.

Tested encoder model AR-850 S/N 56334 to 25,000' per part 43 apdx E; tested O.K.

Tested transponder model KT79 S/N 1277 per part 43 apdx F; tested O.K.

Tested integrated system to 25,000' per part 43 apdx E; tested O.K.

Tested static system per part 43 apdx E; tested O.K.

Tested Pitot Heat, tested O.K.

Applied stickers to Altimeter and Encoder.

No defects noted.... (2) Ramp tested, noted intermittent operation of COM auto feature. Removed King audio selector model KMA24 P/N 066-1055-03 S/N 12948. Installed KMA24 P/N 066-1055-03 S/N 13948, see Fargo Jet Center FAA Form 8130-3 W/O 012611 dated 07 Oct 2010. system function test ok, no defects noted.... (3) Ramp tested Com 1 noted frequency out of limits. removed King KY197 P/N 064-1021-00 S/N 77061. Installed KY197 P/N 064-1021-00 S/N 77061, see Fargo Jet Center FAA Form 8130-3 W/O 012611 dated 07 Oct 2010. function tested Com system ok, no defects noted.... (4) Ramp tested COM 2 and found frequency dial does not tune most of the time. Removed King KY197 P/N 064-1021-00 S/N 77008. Installed KY197 P/N 064-1021-00 S/N 77008, see Fargo Jet Center FAA Form 8130-3 W/O 012611 dated 07 Oct 2010. Found COM 2 antenna line effecting RF Level and causing appx. 20dB split between Com1 and Com2. Removed COM 2 antenna line. Replaced line from pigtail at rear of KY197 to antenna. Functional check good. No defects noted.... (5) Downloaded GPS nav database update cycle 1011 Americas USA coverage onto KLN-89B. Ops test ok.... (6) Ramp tested Nav systems. #1 KNS80 system tested ok per Allied Signal installation manual P/N 006-00154-0000 Rev 3 July 1981. Nav 2 display unreadable unless

flashlight shined upon photocell. Removed Nav 2 Model KN53 P/N 066-1067-01 S/N 53453. Installed servicaucle KN53 P/N 066-1067-01 S/N 53453; see Fargo Jet Center FAA Form 8130-3 W/O 012611 dated 12 Oct 2010. Functional check good. No defects noted.... (7) Removed overhead airflow panels to gain access. Found Rheostats are inop and improper p/n's. Removed left and right floodlight rheostats. Installed new rheostat P/N 464-532 on Left and Right flood light. Functional check good. No defects noted.... (8) Bench tested King COM KY197 P/N 064-1021-00 S/N 77061. verified com frequency out of limits, found also no modulation. removed covers and inspected. Adjusted frequency adjust C109 and cleaned modulation adjust R159, reassembled. Tested unit per Allied Signal maintenance manual P/N 006-05169-0004 Rev 4 Feb 1984. Issued 8130-3.... (9) Bench tested King COM model KY197 P/N 064-1021-00 S/N 77008. Verified that the com channeling switches do not generate every step. Removed covers and inspected switch board. Found conductive material between board pads. Cleadne switch board and adjusted frequency control C109, adjusted modulation R159, reassembled. Tested unit per Allied Signal maintenance manual P/N 006-05169-0004 Rev 4 Feb 1984. Issued 8130-3.... (10) Bench tested NAV 2, Model KN53 P/N 066-1067-01 S/N 53453, removed covers and inspected, verified power supply voltages and confirmed defective display, removed and replaced display. tested unit per manufactures procedure Allied Signal Maintenance manual P/N 006-05174-0004 revision 4 Dated Oct 1998. Issued 8130-3.... (11) Bench teted King audio selector model KMA24 P/N 066-1055-03 S/N 12948. removed covers and inspected audio panel. cleaned switches and tested unit per manufactures procedure AlliedSignal maintenance manual P/N 006-05180-0001 Rev 1 Dec 1981, issued 8130-3.

I certify that the aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current rules of the Federal Aviation Regulations and was found airworthy and is approved for return to service for the work performed. Pertinent details of the repair are on file at the agency under Work Order No. 012611 Dated

10/14/10
DATE: 10/14/2010

SIGNED:


Perry Ochsner
Certified Repair Station No. CTUR016D

Work Order: 012611

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DETROIT LAKES

24813 Hwy 10W
Detroit Lakes MN 56501

N4293X Date November 9, 2011 Hobbs-5085.3 ACTT-5085.3
Heater Hobbs- 1535.6

Complied with annual inspection. Complied with ELT inspection IAW FAR
1207(d). No defects noted at this time. Replaced RH engine vacuum pump with
rehauled unit. Replaced prop de-ice lead on LH prop #2 blade with new unit.
Replaced prop de-ice lead on RH engine #3 blade with new unit. Replaced LH and
RH engine air filters with new BA3. **AD 2004-21-05** Heater pressure decay. C/W
15.6. Ad search complied with thru this date 2013

I certify that this aircraft has been inspected in accordance with annual
inspection and was determined to be in airworthy condition.

Inspected by Ed Carlson Date 11-9-11

Ed Carlson A&P 2826620

RECORDING
AGE
IMP

TODAY'S
FLIGHT

TOTAL
TIME IN
SERVICE

Description of Inspections, Tests, Repairs and Alterations

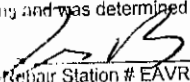
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

AIR CENTER

10/2013, Aircraft: N4293X; Type: PA34-200T; S/N: 34-8333043; Hobbs: 5172.00; Tach.; Total Time.; Engine - Type: ,
an
In # 2609

on III engine at intake fuel prime line caused by cracked 1/8in stand off brass pipe fitting. Removed stand off fitting
and brass "T" fitting in place of stand off. Work done per the Continental TSIO-360 series overhaul manual 72-50-11.
engine area.

Identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation
Administration and was determined to be in airworthy condition and is approved for return to service.


Repair Station # EAVR439D

RE
TA
TH

Park Rapids Avionics 301 Airport Road Suite 1 Hwy 71 South Park Rapids, MN 56470 K15R981Y
LOG ID# 568 22-July-2013 WO# 2876 HOBBS 5191.2
N4293X S/N 34-8333043 PIPER PA-34-220T

Pg 1 / 2

Removed the following equipment: a. Bendix/King KNS-80 Nav/Rnav b. Bendix/King KY-197 Com c. Bendix/King KLN-89B GPS d. Bendix/King KA-92 GPS e. Mid Cont MD 41 ACU f. Bendix/King KMA-24 audiopanel/MKB g. Telex PC-4 intercom h. Bendix/king KT-79 transponder installed the following equipment: a. Garmin GNS-530W Nav/Com/GPS p/n 011-01064-40 s/n 23821914 b. Garmin GA 35 GPS antenna p/n 013-00235-00 s/n 95014 c. Garmin GDL-88 ADSB datalink transceiver p/n 011-02369-00 s/n 22T000911 d. DAC GDC-31 GPSS computer p/n 1049-4000-03 s/n 18084 e. PS Engineering PMA-8000BT audiopanel/intercom/MKB p/n 050-890-0702 s/n CBT2596 f. Garmin GTX-327 transponder p/n 011-00490-00 s/n 83747339. Installed GNS-530W Nav/Com/GPS and GA-35 GPS antenna in accordance with manufactures installation manuals Garmin p/n 190-00357-02 Rev H and STC SA01933LA-D. Installed Garmin GDL 88 ADSB datalink transceiver in accordance with manufactures installation manual p/n 190-01310-10 Rev 1. and STC# SA02119SE. Installed DAC GDC-31 GPSS system in accordance with manufactures installation manual DAC p/n 1049-2510-01 Rev P. and STC # SA10236SC. Installed equipment in accordance with manufactures installation manuals PS Engineering p/n 200-890-0702 Rev. 2, Garmin p/n 190-00187-02 Rev. P. Installed equipment in accordance with AC 43.13-2B chapters 3,11, 2, sections 201,202,203,204,205,206, 207, 208,209, and 210, and reference to AC 43.13-1B chapters 4,7,11 and 12. The continuous electrical load does not exceed 80% of the total alternators capacity. All equipment was functional tested per manufactures installation manuals and interference tested with existing systems. A copy of the GNS-530W FAA approved flight manual supplement Garmin p/n 190-00357-03 Rev. C has been added to the FAA approved flight manual. A copy of the GDL 88 FAA approved flight manual supplement Garmin p/n 190-01310-02 Rev. 1 has been added to the FAA approved flight manual. A copy of the GDC 31 FAA approved flight manual supplement DAC p/n 1049-2100-02 rev. A has been added to the FAA approved flight manual. Computed new weight and balance and updated equipment list. The altimeter, encoder, transponder, static system tests required by FAR 91-411, FAR 91-413, and FAR 91-217 were performed and found to meet the requirements of FAR 43 appendix E and F.

DETROIT LAKES

24813 Hwy 10W
Detroit Lakes MN 56501

N4293X December 23, 2013 Tach-5251.3

Installed Tanis heater assemblies on LH and RH engine IAW installations instructions. Replaced RH wing tip static wick with new PN- ESD-1. Replaced LH and RH main tires and tubes with new units. Installed overhauled heat assembly PN-FR90D38-1EL, SN-A10005001. See Aircraft Heating and Electrical, Inc. work order #15723C for overhaul details. Heater Hobbs 1589.4 at install.

Signed



Date

12-23-2013

Erik Carlson A&P 2826620

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other specific entries.)

DETROIT LAKES

24813 Hwy 10W
Detroit Lakes MN 56501

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Rating and t
cific entries.

N4293X January 4, 2014 Hobbs-5258.2 ACTT-5258.2
Heater Hobbs- 1589.4

Complied with annual inspection. Complied with ELT inspection IAW FAR 91.207(d). No defects noted at this time. Replaced engine air filters with new BA-3. Replaced LH and RH brake pads with new PN- 066-06200. Replaced RH Recognition light with new PN-572-579. Resealed co-pilots brake master cylinder as needed. Repaired rear tail fairing as needed. **AD2013-02-13** Stabilator control systems inspect. Complied with by replacement of Stabilator control cables and turn buckles with new units. PN-MC62701-129, MC62701-037, MC62701-080, MS21251-B55 and MC62701-078. Next due ACTT 7258.2. Ad search complied with thru this date

I Certify that this aircraft has been inspected in accordance with annual inspection and was determined to be in airworthy condition.

Signed Erik Carlson Date 1-4-14
Erik Carlson A&P 2826620

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DETROIT LAKES

24813 Hwy 10W
Detroit Lakes MN 56501

N4293X February 26, 2014 Tach-5263.7

Replaced tail strobe flash tube with new PN-A469B. Replaced nose tire with new unit. Replaced nose gear steering bungee with serviceable unit. PN-96522-000. Replaced two static wicks as needed. Replaced LH main gear down lock switch with new PN-CA67411-002. All work done IAW Piper service manual. Operational checks satisfactory.

Signed Erik Carlson Date 2-26-14
Erik Carlson A&P 2826620

DETROIT LAKES

24813 Hwy 10W
Detroit Lakes MN 56501

N4293X April 3, 2014 Hobbs 5272.9

Replaced pilots turn and bank indicator with new unit. 5N-L13-10579. See Mid-Continent Invoice #5273622 for details. Operational checks good.

Signed Erik Carlson Date 4-3-2014
Erik Carlson A&P 2826620

DETROIT LAKES

24813 Hwy 10W
Detroit Lakes MN 56501

N4293X January 1, 2015 Hobbs & ACTT 5358.4

Complied with annual inspection. Complied with ELT inspection IAW FAR 91.207(d). Replaced ELT battery with new BS2166. No other defects noted at this time. Replaced RH engine I/B exhaust elbow with overhaul unit from Aerospace Welding Inc. see work order #161998 for details. PN 643861-118, SN 161998. Resealed LH brake caliper with new O-rings. **AD2005-13-16** Inspection of nose gear assembly. Complied with per SB 1123A. Replaced drag link bolt with new and replaced steering arm center bolt with new unit. Ad search complied with thru this date

I Certify that this aircraft has been inspected in accordance with annual inspection and was determined to be in airworthy condition.

Signed Erik Carlson Date 1-1-2015
Erik Carlson A&P 2826620 *IA*

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Park Rapids Avionics 301 Airport Road Suite 1 Hwy 71 South Park Rapids, MN 56470 K15R981Y
 LOG ID# 1147 02-September-2015 WO# 4049 HOBBS 5922.3
 N4293X S/N 34-8333043 PIPER PA-34-220T

Pg 1 / 1


The altimeter, encoder, transponder, static system tests required by FAR 91-411, FAR 91-413, and FAR 91-217 were performed and found to meet the requirements of FAR 43 appendix E and F. Tested to 25,000 feet.

Altimeter m/n p/n 5934PAD-1 s/n 28750
 Transponder m/n GTX-327 p/n 011-00490-00 s/n 83747339
 Encoder m/n p/n AR850 s/n 56334

Updated software GNS 530W p/n 011-01064-00 S/N 23821914 from 5.1 to 5.2 in accordance with Garmin SB# 1461 Rev A. Updated software GDL-88 p/n 011-02369-00 s/n 22T00911 from 3.00 to 3.2 in accordance with Garmin SB# 1505 Rev A. Ground tested, all tests checked good.

MAINTENANCE RELEASE/RETURN TO SERVICE CRS#K15R981Y

The Aircraft, component, 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 these inspections are on file at this repair station.


 Tom Hass

9-2-15
 Date

REPLACE ELT BATTERY BY:

DEC 2016

24813 Hwy 10W
Detroit Lakes MN 56501

N4293X March 1, 2016 Hobbs & ACTT 5465.9

Complied with annual inspection. Complied with ELT inspection IAW FAR 91.207(d). Replaced ELT battery with new BS2166. No other defects noted at this time. Replaced rivets on LH and RH lower nacelles as needed. Replaced aft door fuselage seal with new. Replaced aircraft heater combustion blower motor brush with new unit. Ad search complied with thru this date

I Certify that this aircraft has been inspected in accordance with annual inspection and was determined to be in airworthy condition.

Signed Erik Carlson Date 3-1-2016

Erik Carlson A&P 2826620IA

DETROIT LAKES
AIRCRAFT SERVICE

24813 Hwy 10W
Detroit Lakes MN 56501

N4293X March 1, 2016 Hobbs & ACTT 5465.9

Replaced nose wheel tire and tube with new units. Replaced RH main gear down lock switch with new PN CA67411-004. Operational checks satisfactory.

Signed Erik Carlson Date 3-1-16

Erik Carlson A&P 2826620

YEAR: | RECORDING | TODAY'S | TOTAL | Description of Inspection:

DETROIT LAKES

24813 Hwy 10W
Detroit Lakes MN 56501

N4293X April 1, 2017 Hobbs & ACTT 5492.0

Complied with annual inspection. Complied with ELT inspection IAW FAR 91.207(d). Replaced ELT battery with new BS2166. Replaced both main gear tubes and tires. Replaced right and left brake pads P/N 066-06200. No other defects noted at this time. Ad search complied with thru this date

I Certify that this aircraft has been inspected in accordance with annual inspection and was determined to be in airworthy condition.

Signed Erik Carlson Date 4-1-17
Erik Carlson A&P 2826620IA

DETROIT LAKES

24813 Hwy 10W
Detroit Lakes MN 56501

N4293X August 31, 2017 Hobbs & ACTT 5545.0

Repaired shorted wire on glare shield lights. Repaired R/H CHT wire.
Resealed pilot side spit window.

Signed

Mark Bergen A&P 3204764

Date

8/31/17

FAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE
DATE			

Description of Inspections, Tests, Repairs and Alterations

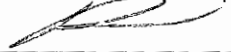
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Park Rapids Avionics 301 Airport Road Suite 1 Hwy 71 South Park Rapids, MN 56470 K15R981Y
 LOG ID# 1725 03-November-2017 WO# 5226 HOBBS 5567.0
 N4293X S/N 34-8333043 PIPER PA-34-220T Pg 1 / 1

Updated software GDL-88 s/n 22T000911 Main from 3.2 to 3.34 in accordance with Garmin sb#1659 rev A.
 Removed defective Encoder Narco AR-850 s/n 56334, installed new Trans-cal Encoder p/n SSD120-30N s/n 24065. The altimeter, encoder, transponder, static system tests required by FAR 91-411, FAR 91-413, and FAR 91-217 were performed and found to meet the requirements of FAR 43 appendix E and F. Tested to 25,000 feet.

Altimeter m/n p/n 5934PAD-1 s/n 28750
 Transponder m/n GTX-327 p/n 011-0490-00 s/n 83747339
 Encoder m/n TCI p/n SSD120-30N s/n 24065

MAINTENANCE RELEASE/RETURN TO SERVICE CRS#K15R981Y
 The Aircraft, component, 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 these inspections are on file at this repair station.

 11-3-17
 Tom Hass Data

DETROIT LAKES

24813 Hwy 10W
Detroit Lakes MN 56501

N4293X August 15, 2018 Hobbs & ACTT 5613.3

Complied with annual inspection. Complied with ELT inspection IAW FAR 91.207(d). Replaced right wing static wick P/N C592001-0201. Replaced (2) vac relief filters P/N ARB3-5-1. Replaced right wing recog light lens. Replaced intake air filters (2) P/N BA-3. Fabricated overboard vent hose with Stratoflex 193-4. Ad search complied with thru this date.

I certify that this aircraft has been inspected in accordance with annual inspection and was determined to be in airworthy condition.

Signed Erik Carlson Date 8-15-18
Erik Carlson A&P 28266201A

REPLACE ELT BATTERY BY:

AUG 2021

nd Major
e Work Or

DETROIT LAKES

24813 Hwy 10W
Detroit Lakes MN 56501

N4293X Hobbs & ACTT 5642.9 September 5, 2019

Complied with annual inspection. Complied with ELT inspection IAW FAR 91.207(d). Replaced battery. Next due 8/21. Replaced air filters P/N BA3. Repaired ice light wiring. Replaced both vac relief filters P/N ARB3-5-1. Resealed R/H brake pucks P/N MS28775-222. Replaced both brake discs P/N APS164-02300. Bled brakes. Replaced nose upper strut tube P/N 39465-02 S/N 23-92 with repaired unit from S&B Industries. See WO# 12665 for details. Resealed strut using MS28775-220, MS28775-227 and MS28775-327 orings. Serviced strut with 5606 and nitrogen IAW PA34-220T AMM. AD search thru this date.

I certify that this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Sign Erik Carlson Date 9-5-2019
Erik Carlson A&P 2826620 IA

TOTAL
TIME IN
SERVICE

Reference of Major Repairs and Major Alterations To

FAA Form ACA-337 by Date, or to the Work Order by Number and the Approving Agency

Park Rapids Avionics 301 Airport Road Park Rapids, MN 56470 K15R981Y
LOG ID# 2247 04-November-2019 WO# 6232 HOBBS 5644.0
N4293X S/N 34-8333043 PIPER PA-34-220T

Updated software GNS-530W p/n 011-01064-00 s/n 23821914 from 5.2 to 5.4 in accordance with Garmin SB# 1766 Rev A. Updated software GDL-88 p/n 011-02369-00 s/n 22T000911 from 3.34 to 3.41 in accordance with Garmin SB# 1809 Rev A. Ground tested, all tests checked good. The altimeter, encoder, transponder, static system tests required by FAR 91-411, FAR 91-413, and FAR 91-217 were performed and found to meet the requirements of FAR 43 appendix E and F. Tested to 25,000 feet.

Altimeter m/n p/n 5934PAD-1 s/n 28750
Transponder m/n GTX-327 p/n 011-00490-00 s/n 83747339
Encoder m/n SSD120 p/n SSD120-30N s/n 24065

MAINTENANCE RELEASE/RETURN TO SERVICE CRS#K15R981Y

The Aircraft, component, 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 these inspections are on file at this repair station.



Tom Hass

11-4-19

Date