

N14GV SN:4697092 Log 2 of 2

AIRCRAFT LOG



AIRCRAFT LOG

Date

Bro
For

06-21-2013
N14GV PA46-500TP SN:4697092
ACTT: 1815.6
PT6A-42A SN: PCE-RM0093
TTSN: 1815.6 TSHSI: 2.8 Total Cycles: 1255
Hartzell HC-E4N-3Q SN: HH1287
TTSN: 1815.6 TSPOH: 173.7 OH Date: 09-06-2011

06-21-2013 N14GV PA46-500TP SN:4697092
ACTT: 1815.6

Complied with Piper Service Bulletin No. 1258. Both
Vents were ORANGE. No further Action Required.

Kevin Stewart 3201234

Kevin Stewart

Total To
Carry Forward

Maintenance

*****MUNCIE AVIATION COMPANY C.R.S. # AJVR135C*****

Removed STEC autopilot computer
AP550 s/n 3353 AB/AB and installed
exchange AP550 s/n 3314 AA/AB.
Removed defective light dimmer inverter
and replaced with new. Ops checked
good. Checked aircraft for fuel leak.
No fuel leaks found.

Make: Piper Ser. No.: 4697092

Model: PA46-500TP Reg. Mark: N14GV

The aircraft / component identified above was repaired and
inspected in accordance with current Regulations of the
Federal Aviation Administration and found airworthy, and
is approved for return to service for work performed.

Pertinent details of the repair are on file at the Agency.

Work Order No.: A001419 Date: 1-10-14

Signed: Chad B... Inspector for

MUNCIE AVIATION COMPANY C.R.S.#AJVR135C

MUNCIE, IN 47303-9778 (765) 289-7141



Aircraft Hobbs: 1857.5

PLEASE PLACE IN AIRCRAFT LOGBOOK

Certificate No.



DES MOINES
FLYING SERVICE

INTERNATIONAL AIRPORT
PO BOX 35126 - DES MOINES, IOWA
50315-0302 TELEPHONE (515) 256-5300 -
FAX (515) 256-5537
dmfs.com

06/01/2014
HOBBS:1893.4

N14GV
TOTAL: 1893.4

PA46-500TP
CYCLES: 1299

SN 4697092

ENGINE	MAKE	MODEL	SERIAL No	TOTAL	SMOH	TSHSI
PROP	P & W	PT6A-42A	PCE-RM0093	1893.4	1893.4	0.0
	HARTZELL	HC-E4N-3Q	HH1287	1893.4	251.5	

Complied with an Annual Inspection per Piper PA 46-500TP Airplane Maintenance Manual, 767-005, dated 04/01/2013, Event 1 and 2 Inspection check list Section 5-20-00

1. Complied with 50 hour oleo struts for proper extension and evidence of fluid leakage, landing gear 12-10-00
2. Complied with 7 day Oxygen Cylinder Inspection
3. Complied with 30 day inspections; standby attitude emergency power supply, battery compartment, portable fire extinguisher, no defects noted at this time
4. Complied with 90 day inspection items; Brake and hydraulic reservoirs
5. Complied with Annual / 1000 hr window inspection IAW Piper PA46-500TP MM 56-00-00
6. Complied with 1 year Pilots oxygen mask test, completed system test, Piper PA46-500TP maintenance manual chapter 35-10-00.
7. Complied with the 1 year visual inspection of the engine mount to fuselage attachment brackets and attaching hardware for condition and security. Re-torque engine mount bolts.
8. Removed R/H main actuator hose (P/N: 63901-115) and replaced with (P/N: 565-905) in accordance with Piper maintenance manual PA-46-500TP. Leak check good at this time
9. Battery PN RG-41, SN 40388605 Completed Recurrent Capacity Testing to Verify Continued Airworthiness battery found to be at 90%. Next test due Nov 30, 2014 (6 Months)

Maintenance



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06/01/2014
HOBBS:1893.4

N14GV
TOTAL: 1893.4

PA46-500TP
CYCLES: 1299

SN 4697092

10. Complied with L-3 Instructions for Continued Airworthiness, Electric Attitude Indicator standby battery capacity test. PS-834A Part Number 501-1682-01 Serial Number 1645. Battery under test will last for a minimum of 45 minutes this unit under test lasted for 76 Minutes and 50 seconds, unit passes.
11. Complied with Piper SB 1204 dated 12/18/2009. Operating history of this aircraft has been determined to be "Category 1, Normal Usage" at this time.
12. Complied with Piper SL 1131 dated 08/04/2010 Aileron Sector Bearing Lubrication during Annual Inspection
13. Complied with Piper SL 1135 dated 10/19/2010 Control Cable / Pulley Inspections during Annual Inspection
14. Complied with ELT inspection per CFR 91.207 (d)
 - (1) Proper installation; (2) Battery corrosion; (3) Operation of the controls and crash sensor; and, (4) The presence of a sufficient signal radiated from its antenna; ELT battery expires 04/2015
15. Inspected and found strobe remote switch P/N 688-499 was inop. Replaced remote switch with superseded part P/N PS50203-1. Ops check of strobes good at this time.
16. Tested the resistance of all of the static wicks as set forth in the Piper PA-46-500TP Maintenance Manual. No defects noted.
17. Replaced both upper MLG torque link bushings P/N 452-857 and new bolts P/N 691-315.
18. Installed New Nose Gear down spring PN 687-931 IAW Piper PA46-500TP Maintenance Manual 32-30-00.
19. Adjusted elevator cable tension IAW PA-46-500TP AMM.
20. Replaced broken rivets on bottom aft wing to fuselage fairings.
21. Replaced NLG tire with Michelin 5.00-5-8 ply P/N 070-310-0.
22. Glued down outboard stall strip on RH wing.

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AIRCRAFT LOG



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Maintenance

06/01/2014 N14GV PA46-500TP SN 4697092
HOBBS:1893.4 TOTAL: 1893.4 CYCLES: 1299

23. Complied with 2 year / 500 hour fuel tank strainer inspection. No discrepancy noted.

I certify that this *Aircraft* has been inspected in accordance with an *Annual Inspection* and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No. **18891**.

Date Signed 06/01/2014:

Jeff Seals



Jeff Seals

Des Moines Flying Service, Inc.,

FAA CRS G9CR485J

Total To
Carry Forward

Registration No.

Registration No. 467092

Work Order: 11449

Shop Order: A-14-2231

I HEREBY CERTIFY THAT THE ALTIMETER, ENCODER, AND STATIC SYSTEM TESTS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED AND MEET SPECIFICATIONS.

ADC #1 TESTED TO 30,000 FEET
ADC #2 TESTED TO 30,000 FEET
STAND-BY ALTIMETER TESTED TO 30,000 FEET

SYSTEM TEST DATE: 11 November 2014

I HEREBY CERTIFY THAT THE ATC TRANSPONDER TEST REQUIRED BY FAR 91.413 WAS PERFORMED THIS DATE AND FOUND TO COMPLY WITH FAR 43, APPENDIX F.

MAKE: Garmin MODEL: GTX-327 SERIAL NO.: 83705857
MAKE: Garmin, MODEL: GTX-327, SERIAL NO: 83705290

SYSTEM TEST DATE: 11 November 2014

TESTED BY *Jeff Seals* # *UTXR015L*



4316 Hangar Dr
Lexington, KY 40510
859-255-1902
FAA CRS # UTYR015L

Signature

Certificate No.

Date	Maintenance			
	03-13-2015 N14GV PA46-500TP SN:4697092 HOBBS: 1986.1 ACTT: 1986.1 Removed Battery P/N:601-910 S/N:40388605, Installed Battery P/N:601-910 S/N:40715394. Kevin Stewart 3201234 <i>Kevin Stewart</i>			
Total To Carry Forward				



Piper
THE NEW PIPER
AIRCRAFT, INC.

= N14GV Date 7/1/2015 A/C 1996.9 Hrs.TT 1996.9 1366 Cycles
 Annual inspection completed this date Ref. Piper Inspection Event #1 & 2 Insp.
 C/W FAR 91.207d (a)1,2,3 & 4 After ELT Battery Replacement Check Ok,
 = C/W PSL 1185 Stall Warning System Test Aircraft flown per SL instructions
 C/W PSB1204 Wing structure life limit determined to be in NORMAL category
 C/W PSB 1271 Wing Spar Inspection No Defects Noted.
 C/W PSB 1262B Wing Inspection Part I no further action needed.
 Removed and replaced Nose Gear Down spring with new P/N 687-931
 Replaced L/H and R/H Brake Disc with New P/N 164-07800, Replaced Linings P/N 066-06200
 Bled R/H and L/H Brake System ops and leaked checked normal.
 Capacity Checked Main Aircraft Battery
 Capacity checked Stand-by Battery
 C/W 50hr,200hr, 400hr,500hr, 1000hr, 2000hr Insp.
 = C/W 30, 90, Day Insp.
 C/W 6, 12, 24, Month Insp.
 C/W 7yr Insp.

I certify that this Airframe has
 accordance with a Annual In
 determined to be in airworthy condition
 Repair Station No. AJVR135C
 Make Piper Ser No 469
 Model PA46-500TP Reg. Mark I


I certify that this Airframe has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition.

Repair Station No. AJVR135C

Make Piper Ser. No. 4697092

Model PA46-500TP Reg. Mark N14GV

The aircraft/component identified above was repaired and inspected in accordance with current Regulations of Federal Aviation Agency, approved for return to service. Pertinent details of the repair are on file at the Agency Work Order No. S001321 Date 7/1/2015

Work Order No. SPW1521 Date 7/1/2014
Signed Donald D. Dine Inspector for
MUNCIE AVIATION CO. CRS#AJVR135C
MUNCIE, IN 47308 765-289-7141 



AD's Checked to this Date See List.

ELI Battery Due JULY 2017
IFR Certification Due NOV. 2016

*******MUNCIE AVIATION CO.CRS#AJVR135C*******



#2
N14GV Date 7/1/2015 A/C 1996.9 Hrs.TT 1996.9 1366 Cycles
 Annual inspection completed this date Ref. Piper Inspection Event #1 & 2 Insp.
 New Stall Vane Tip Grams Settings Per PSL 1165 Flight Check
 Flaps 0 = 4.3 grams
 Flaps 20 = 3.5grams
 Flaps 36 = 0.0grams
 Resealed L/H and R/H Main gear struts Serviced with MIL.5606 Fluid and Nitrogen
 per service placards.

I certify that this Airframe has been inspected in
 accordance with a Annual inspection and was
 determined to be in airworthy condition.

Repair Station No. AJVR135C
 Make Piper Ser.No 4697092
 Model PA46-500TP Reg.Mark N14GV

The aircraft/component identified above was repaired
 and inspected in accordance with current Regulations of
 Federal Aviation Agency, approved for return to service
 Pertinent details of the repair are on file at the Agency
 Work Order No. S001321 Date 7/1/2015

Signed Donald Dwyer Inspector for
 MUNCIE AVIATION CO. CRS#AJVR135C
 MUNCIE, IN 47308 765-289-7141



AD's Checked to this Date See List.

ELI Battery Due JULY 2017
 IFK Certification Due NOV. 2016

Total To
 Carry Forward

Registration No. _____

Log Book Entry

Make	Model	Tail #	Serial #	Aircraft Total Time: 1997.7
Piper	PA46-500TP	N14GV	4697092	

Removed existing covering from headliner and recovered with Tapis ULFR5805 Ermine Ultra Leather. Removed window panels and stripped existing covering and foam; re-foamed, recovered with Tapis ULFR5805 Ermine Ultra Leather and re-installed. Removed existing carpet, cut, fitted and installed new Aircraft Interior Products Vanguard Toffee carpet, surging where necessary. Removed pilot, co-pilot, and passenger seats; cleaned, prepped, leather dyed and re-installed.

All materials have been tested and comply with FAR23.853. 8110-3's are on file at this repair station. The aircraft, airframe, interior or appliance identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and determined to be in air worthy condition and is approved for return to service. Pertinent details of the repair are on file at the repair station under:

Work Order #060615-1

Date JULY 2, 2015

Signature [Signature]

MJ Aircraft Inc.
 Repair Station # JH5R962M
 262 Airport Rd.
 Anderson, IN 46017

07-08-2015 N14GV PA46-500TP SN:4697092

HOBBS: 1998.4 ACTT: 1998.4 Cycles: 1369

Fabricated & installed 2-wire battery charger connection harness using MIL-W-22759/16 wire with 10A inline circuit protection fuse. Attached to battery relay and airframe ground with ring terminals. Terminated opposite end with Anderson SB50 plug with protective cover and mounted in forward baggage compartment. All work IAW AC43.13/1B. Verified continuity, polarity, tested with charger and for proper aircraft electrical system operation. No defects noted at this time.

Mike Miller A&P 2880985

Date

Maintenance

and Rer

*****MUNCIE AVIATION CO. CRS#AJVR135C*****

N14GV DATE 9/17/2015 Hobbs 2013.5
Replaced Prop deice timmer P/N691-234 reinstalled panels and seats
Make Meridian Ser.No. 4697092
Model PA46-500TP Reg.Marl N14GV
The aircraft/component identified above was repaired inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed
Pertinent details of the repair are on file at the agency
Work Order Number S001441 Date 9/17/2015
Signed [Signature] Inspector for
MUNCIE AVIATION CO. CRS#AJVR135C
MUNCIE, IN 47308 765-289-7141



Total To
Carry Forward

*****MUNCIE AVIATION COMPANY C.R.S. # AJVR135C*****

Reg. Mark Date Hobbs
N14GV 3/2/2016 2035.3
Removed Standby Altimeter P/N PS50189-3 S/N 165195, replaced bulbs, reseated gaskets, bench checked good IAW Manufactures specs, and reinstalled.
Removed Standby Attitude Indicator P/N 5040035925 S/N 504003592525092, replaced bulbs, and reinstalled. All systems mentioned in this logbook entry ramp checks good. Pitot and static systems leak check good.
Make: Piper Ser. No.: 4697092
Model: PA46-500TP Reg. Mark: N14GV
The aircraft / component identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed.
Pertinent details of the repair are on file at the Agency.
Work Order No.: A004163 Date: 03-02-2016
Signed: [Signature] Inspector for
MUNCIE AVIATION COMPANY C.R.S.#AJVR135C
MUNCIE, IN 47303-9778 (765) 289-7141





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08/04/2016 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2056.3 TOTAL: 2056.3

ENGINE	MAKE	MODEL	SERIAL No	TOTAL	TSO	TSHSI
PROP	PRATT & WHITNEY	PT6A-42A	PCE-RM0093	2056.3	-	243.5
	HARTZELL	HC-E4N-3Q	HH1287	2056.3	243.5	-

Complied with an Annual inspection using Piper PA46-500TP Maintenance Manual PN 767-005,
dated 04/01/2013, chapter 5-20-00 Inspection Checklist

1. Complied with 7 day oxygen cylinder inspection.
2. Complied with 30 day inspection items: standby attitude emergency power supply, battery and compartment, portable fire extinguisher.
3. Complied with 90 day inspection items: Hydraulic pump reservoir, brake reservoir.
4. Complied with 6 month propeller lubrication.
5. Complied with 50 hour oleo strut inspection for proper extension and fluid leakage, landing gear 12-10-00.
6. Complied with 50 hour propeller heat inspection.
7. Complied with 300 hour fixed oxygen cylinder inspection
8. Complied with 1 yr engine mount to fuselage attachment brackets and attachment hardware for condition and security.
9. Complied with 1000 hour flap track and aileron bolt inspection no defects at this time.
10. Complied with 2 year / 500 hour fuel strainer inspection, no defects noted at this time.
11. Complied with ELT inspection per **CFR 91.207 (d)**, battery expires 07/2017.
12. Complied with L-3 Instructions for Continued Airworthiness IAW PS-834A Maintenance Manual PN TP475 Revision A Change 4 dated 11/13/2015, L-3 SL 120 Revision F dated 11/30/2009 and Piper PA-46-500TP Maintenance Manual. Battery passed.
13. Battery PN RG-41, S/N: 40715394 completed capacity testing to verify continued airworthiness per Concorde RG Series Main Aircraft Battery Component Maintenance Manual. Document 5-0171 Rev P dated 11/02/2015. Battery found to be at 104%. Recurrent capacity test due 02/02/2017 (+/- 1 month).
14. Performed 500 hour/2 year fuel strainer inspection IAW Piper AMM 28-10-00.

Maintenance



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08/04/2016 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2056.3 TOTAL: 2056.3

15. Complied with **Piper SB 1204** dated 12/18/2009. Operating history of this aircraft has been determined to be "Category 1, Normal Usage" at this time.
16. Complied with **Piper SL 1131** dated 08/04/2010, Aileron sector bearing lubrication
17. Complied with **Piper SL 1135** dated 10/19/2010 Control Cable / Pulley Inspections
18. Replaced one right main landing gear actuator hose PN 565-905 IAW Piper PA46-500TP Maintenance Manual.
19. Replaced left main landing gear and nose gear upper and lower torque knee bushings PN 67026-007 Piper PA46-500TP Maintenance Manual 32-10/00 32-20-00
20. Adjusted yaw bridle cable tension, rudder cable tension and aileron cable tension IAW Piper PA46-500TP Maintenance Manual chapter 27.
21. Cleaned outflow valve Piper PA46-500TP Maintenance Manual 21-30-00
22. Replaced right navigation light bulb WL-A-7512-24
23. Replaced nose landing light PN 472-528, SN 13347.
24. Replaced ice light module PN PS50203-1 and taxi light module PN PS50203-1.
25. Removed Meggitt display PN 802-242 SN 0112-006 from pilot's position and installed in copilots position. Copilot display PN 802-242 SN 049-004 installed in pilot's position, operational checks were satisfactory.
26. Removed corrosion from all main landing gear door rods, primed and painted standard maintenance practices.
27. C/W Ten year fuselage and wing fluid hose inspection, no leaks noted at this time.

I certify that this **Aircraft** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No. **19604**.

Date Signed 08/04/2016:

Paul Cawthorn



Des Moines Flying Service, Inc., FAA CRS G9CR485J

Certificate No.

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N 14GV Piper PA-46-500TP 4697092
Hobbs Time: 2079.8 TOTAL:

Removed Yaw Servo Part Number: 0106-Y13 Serial Number: 0106-1639-30782CSFGJ, Re-installed factory repaired Yaw Servo Part Number: 0106-Y13 Serial Number: 0106-1639-30782CSFGJ.

Removed Yaw Amp Part Number: 0121-7 Serial Number: 00121-1639-04519A, Re-installed factory repaired Yaw Amp Part Number: 0121-7 Serial Number: 00121-1639-04519A

The aircraft, airframe, aircraft engine, propeller, or appliance identified above, was repaired, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order No 30720.

Date Signed 12/27/2016:

Arnold D. Hill
Arnold D. Hill
Des Moines Flying Service, Inc.,



FAA CRS G9CR485J



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12/27/2016 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2079.8

Removed the existing №1 and №2 Garmin International GNS-530 Navigation / Communications / GPS Systems, №1 and №2 GA-56 GPS Antennas, GMA-340 Audio Panel with Marker Beacon receiver and Intercom, and GI-106A ILS Indicator and installed new №1 and №2 Garmin International GTN-750 Navigation / Communications / GPS Systems part number 011-02282-00, with new GA-35 GPS Antenna's part number 013-00235-00 and GMA-35 Audio Panel with Marker Beacon receiver and Intercom Part Number 011-02299-20.
Removed the existing №1 and №2 Meggit PFD's PN 84-133-1 №1 and №2 Meggit ND's PN 84-134-1, №1 and №2 Meggit ADAHRS PN 37002-01-01, №1 and №2 Meggit Flux Detector's PN 6446, Meggit 6405-28L Turn and Bank, and Clarion DXZ525 Stereo. Installed a new Dual Garmin International G-500 System which includes the following items: 2) GDU-620's PN 011-01264-50, 2) GRS-77's PN 011-00868-10, 2) GTP-59's PN 011-00978-00, 2) GMU-44's PN 011-00870-00, 2) GDC-74A's PN 011-00882-10.
Removed the existing №1 and №2 Garmin GTX-327 ATCRABs Transponders PN 011-00490-00 and installed a new №1 Garmin GTX-345R Mode S ADS-B In and Out compliant Transponder PN 011-03303-00, a new №2 Garmin GTX-335R Mode S Transponder ADS-B Out Compliant Transponder PN 011-03301-00. Installed one new Comant CI-105 Transponder antenna.
Removed the existing S-Tec 550 Auto-Pilot System consisting of the 550 A/P Computer PN 01192-32-60TFPM, Remote Annunciator PN 01188-PM, Altitude Pre-Selector PN 01279-PM, Yaw Servo PN 0106-Y10, Yaw Computer PN 0121-1, Roll Servo PN 0106-8-R2, Pitch Servo PN 0108-P4, Altitude Module PN 0111, and existing 550 Auto-Pilot wiring harness, and Piper Flight Manual Supplement for the S-Tec 550 A/P System. Installed a New S-Tec Magic 1500 A/P Upgrade System consisting of a New Magic 1500 A/P Computer PN 01309-01-01-001, New Yaw Servo PN 0106-Y13, New S-Tec Yaw Computer PN 0121-7, Repaired S-Tec Roll Servo PN 0106-8-R2, Overhauled S-Tec Pitch Servo PN 0108-15-P4, New Airc 429 Adapter Module PN 03976, and New Magic 1500 wiring Harness assembly.
These installations were accomplished in accordance with: Garmin GTN-750 / GMA-35 STC SA02019SE-D, Garmin G500 STC SA02153LA-D, Garmin GTX-335R / GTX-345R STC SA01714WL and S-Tec STC SA09521AC-D. For further information and instructions for Continued Airworthiness see FAA Forms (4) dated 12/14/2016.
Garmin GTN-750 Flight Manual Supplement PN 190-01007-A2 Revision 6 dated 16 September 2016, Garmin G500 Flight Manual Supplement PN 190-00601-01 Revision L, dated 17 November 2016, Garmin FAA Approved GTX-335 / GTX-345 Flight Manual Supplement, Document Number 190-00734-15 Revision 2, dated 8 March 2016 and S-Tec Magic 1500 A/P FAA approved Flight Manual Supplement PN 892112 IR dated 5-21-2002 are required for these installations.
Aircraft was reweighed with Evergreen scales SN 673-3C calibration due date 05/09/2017 as follows: EMPTY WEIGHT: 3463.00, CG: 138.3855, MOMENT: 479229.00, USEFUL LOAD: 1429.
The aircraft, airframe, aircraft engine, propeller, or appliance identified above, was repaired, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order No

N14GV
AIRFRAME
01-10-2017

HOBBS: 1696.2

WO: 7451

Removed and replaced fwr door cable P/N 89630-004 on cabin door. END.


Eddie L. Smart
A&P 3783127

Kentucky Airmotive, Inc.
709 Airport Road
Mt. Sterling, KY 40353
(859) 498-6633

N14GV
AIRFRAME
03-24-2017

HOBBS: 2127.8

WO: 7475

Replaced Starter rely with new rely P/N PS50203-1 Ops check was good. END.


Eddie L. Smart
A&P 3783127

Kentucky Airmotive, Inc.
709 Airport Road
Mt. Sterling, KY 40353
(859) 498-6633

Total To
Carry Forward



08/22/2017

HOBBS: 2189.7

N14GV

PIPER PA46-500TP

SN 4697092

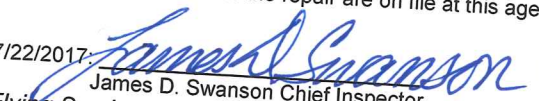
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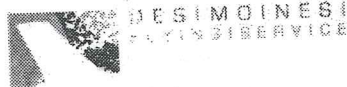
Pilot's oxygen mask was overhauled by Master Air Parts, Santa Maria, California, see FAA 8130-3 dated 11/21/2016 and installed in the aircraft 12/21/2016 at 2079.8 hours' time in service.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above, was repaired, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order No 30685

Date Signed 07/22/2017


James D. Swanson Chief Inspector
Des Moines Flying Service, Inc., FAA CRS G9CR485J





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Maintenance

10/18/2017 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2189.7 TOTAL: 2189.7

ENGINE	MAKE	MODEL	SERIAL No	TOTAL	TSO	TSHS
PROP	PRATT & WHITNEY	PT6A-42A	PCE-RM0093	2189.7	-	376.9
	HARTZELL	HC-E4N-3Q	HH1287	2189.7	547.8	-

Complied with an Annual inspection using Piper PA46-500TP Maintenance Manual PN 767-005, dated 04/01/2013, chapter 5-20-00 Inspection Checklist

1. Complied with 7 day oxygen cylinder inspection.
2. Complied with 30 day inspection items: standby attitude emergency power supply, battery and compartment, portable fire extinguisher.
3. Complied with 90 day inspection items: Hydraulic pump reservoir, brake reservoir.
4. Complied with 6 month propeller lubrication.
5. Complied with 50 hour oleo strut inspection for proper extension and fluid leakage, landing gear 12-10-00.
6. Complied with 50 hour propeller heat inspection.
7. Complied with 300 hour fixed oxygen cylinder inspection
8. Complied with 1 yr engine mount to fuselage attachment brackets and attachment hardware for condition and security.
9. Complied with 1000 hour flap track and aileron bolt inspection no defects at this time.
10. Complied with 2 year / 500 hour fuel strainer inspection, no defects noted at this time.
11. Complied with ELT inspection per CFR 91.207 (d), battery expires 09/2020
12. Complied with L-3 instructions for Continued Airworthiness IAW PS-834A Maintenance Manual PN TP475 Revision A Change 4 dated 11/13/2015, L-3 SL 120 Revision F dated 11/30/2009 and Piper PA-46-500TP Maintenance Manual. Battery passed.
13. Battery PN 13-41, S/N: 40715394 completed capacity testing to verify continued airworthiness per Concorde RG Series Main Aircraft Battery Component Maintenance Manual Document 5-0171 Rev P dated 11/02/2015. Battery found to be at 104%. Recurrent capacity test due 01/18/2018 (±1 month).



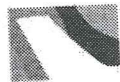
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Certificate No

10/18/2017 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2189.7 TOTAL: 2189.7

14. Complied with Piper SB 1204 dated 12/18/2009. Operating history of this aircraft has been determined to be "Category 1, Normal Usage" at this time.
15. Complied with Piper SL 1131 dated 08/04/2010, Aileron sector bearing lubrication
16. Complied with Piper SL 1135 dated 10/19/2010 Control Cable / Pulley Inspections
17. Troubleshoot pneumatic de-ice boot system, hooked up airborne test unit to aircraft pneumatic system, cycled de-ice boots and observed operation of boots, de-ice fail light comes on when cycled, removed and tested one system pressure switch, checks good, cleaned spade connectors on all three pressure switches, cleaned de-ice valve connectors, cleaned de-ice valve plungers, cycled de-ice system and operates normal with no fail lite.
18. Complied with Annual Airborne 1H37 check valve inspection per Airborne SL 39A, passed inspection, reinstalled check valve.
19. Replaced LH IB bearing cup and cone P/N's 751-494 and 751-489 IAW Piper PA-46-500TP AMM 32-40-00.
20. Replaced nose gear down spring P/N: 687-931 IAW Piper PA-46-500TP AMM 32-30-00.
21. Stop drilled cabin floorboard cracks in non-structural areas.
22. Replaced tail Nav light lamp in right light assembly PN 34-0428070-64 installed, operationally checks good.
23. Removed taxi light P/N: 82246-002 incandescent lamp assemblies. Installed serviceable P/N: 01-0771627-21 LED light assemblies. Restored taxi light lens clarity as much as possible by polishing inside and outside of lens. Function tested normal.
24. Removed right wing forward wheel well fairing, drilled two screws out of right wing access panel and installed two nut plates.
25. Glued small area of the edge of boot to elevator skin and prepped area by masking off and cleaning with alcohol, applied edge sealant to upper surface.
26. Removed surface corrosion on rudder trim push rods by lightly sanding area, prepped area and applied primer and paint to exposed surface.



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10/18/2017 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2189.7 TOTAL: 2189.7

27. Removed cabin door trim, adjusted rear door pulley cable bracket, adjusted door panel attach brackets, adjusted door seal, realigned door with door frame, door opens and shuts as it should, reinstall door trim.
28. Inspected the following attach fittings and push rods. Fwd and aft wing spar to fuselage attach fittings. (Ref. attach fittings corrosion control, 55-40-00) Fwd vertical fin attach fittings. (Ref. attach fittings corrosion control, 55-30-00). Elevators trim tab push rods. (See elevator trim tab push rod corrosion control, 55-20-00). Fwd and aft horizontal stabilizer attach fittings (Ref. attach fittings corrosion control, 55-10-00). Reapplied Dinitrol AV corrosion inhibiting compound (PN 89500-800). Next inspection and treatment due 08/2022 (each 5 years).
29. Tightened hydraulic line b-nuts to emergency brake valve, cleaned old fluid, cycled emergency valve numerous times and no leaks noted.
30. Applied RTV 157 to cuts in cabin door seal.
31. Removed paint from left outboard flap bellcrank and inspected for cracks, none found, applied Dinitrol corrosion prevention compound to prevent rust.
32. Replaced four cheery max rivets in right inboard wing fairing.
33. Replaced cabin entry threshold rivnut P/N: 406-847.
34. Bled left and right brake system I/A/W Piper MM chapter 32-40-00. Performed Leak Check, no discrepancies noted.
35. Drained right fuel system, removed fuel panel closet to leaking rivet, removed rivnut and installed new PN NAS1474-A08 sealed rivnut, applied PRC sealant to rivnut and reinstalled fuel panel and refuel. No leaks noted at this time.
36. Restored finish to aft radar pod and r/h forward gear well fairing.
37. Removed crew O2 cylinder for hydro testing and regulator overhaul, hydrostatic tested oxygen bottle and overhauled oxygen regulator, see Aerospace Turbine Rotables, INC. W/O# WO111857 and form 8130-3, reinstalled I/A/W Piper MM chapter 35-10-00. Serviced oxygen system. C/W 1 Year oxygen mask operational test.
38. Removed old RH and LH MLG wheel well bumpers, and installed new P/N: 63078-034.
39. Replaced NLG actuator door rod ends P/N: 691-304.

aintenance

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10/18/2017 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2189.7 TOTAL: 2189.7

40. Removed cockpit control pedestal cover, separated control levers, irrigated levers and spacers with hand parts cleaner, blew high pressure air in between spacers and power control lever, power control has more resistance when friction control lever moved, reinstalled control pedestal cover.
41. Checked vacuum connections on cabin controller, auxiliary volume tank and connections at outflow valve in tail section.
42. Clean area of old glue and upholstery, tuck upholstery behind sidewall panel and emergency exit door panel.
43. Complied with 1 Year engine mount inspection and torque check at firewall.
44. Prepped, masked and painted both fuel caps red
45. Removed DME/Transponder antenna bottom skin of fuselage station 103.0. Repaired skin per DER Trevor Strong DERT - 605818-NM, drawings N14GV - 082917-1 See FAA form 8110-3 dated 08/29/2017, see FAA Form 337 dated 10/18/2017 for further details.

I certify that this Aircraft has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No. **19980**.

Date Signed 10/18/2017:

Paul Cawthorn
Paul Cawthorn

Des Moines Flying Service, Inc., FAA CRS G9CR485J



Certific

N14GV
AIRFRAME
11/07/2017

HOBBS: 2205.0
Cycles: 1495

WO: 7538

1. Removed panels and interior to facilitate repairs.
2. Removed inoperative Cabin Temperature Controller P/N: 1300350-13 (602-240) S/N: 216
3. Installed overhauled Cabin Temperature Controller P/N: 1300350-13 (602-240) S/N: 385 from CRS BD2R712K see FAA 8130-3 dated 02/08/2017 Work Order: WW158078.
4. Function checked cabin temperature control system. No faults.
5. Reinstalled all removed panels and interior.

Matt R. Fannin

Matt R. Fannin
AP3401570

Kentucky Airmotive, Inc.
709 Airport Road
Mt. Sterling, KY 40353
(859) 498-6633

N14GV PA46-500TP S/N: 4697092, Jan 31, 2018
Hobbs: 2232.7, ACTT: 2232.7, Cycles: 1517

Removed
S-Tec P/N: 01304-01-01-001, S/N: 01304-1638-00564
and replaced with S-Tec P/N: 01304-01-01-001, S/N: 01304-1230-00318. Function tests ok.

Kevin Stewart



Approved design data and are in a condition for safe operation
Non-approved design data specified in Block 13

Total To
Carry Forward

Registration No.

N14GV
PA-46-500TP (SN# 4697092)
AIRFRAME
03/01/2018

HOBBS: 2233.4
Cycles: 1519

WO: 7582

1. Removed panels and interior to facilitate repairs.
2. Removed hydraulic power pack (PN:102559-2/1FA13059-1) and sent part off for repair.
3. Installed Tested hydraulic power pack (PN:102559-2/1FA13059-1, SN: FAH0109) from CRS# B6BR276J (see FAA 8130-3 dated 26 FEB 2018 Work Order#50683) as per Piper aircraft PA-46-500TP maintenance manual page 29-10-00 rev Jul 10/2009.
4. Serviced hydraulic reservoir with MIL 5606 fluid.
5. Performed multiple gear cycles and emergency extensions and verified correct operation at this time.
6. Reinstalled all removed panels and interior. END.

Josh Fix

Joshua B. Fix
Airframe 3848145

Kentucky Airmotive, Inc.
709 Airport Road
Mt. Sterling, KY 40353
(859) 498-6633

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		



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09/20/2018 N14GV PIPER PA-46-500TP SN 46-97092

2284.1

HOBBS: 2248.1

Complied with CFR 91.411. I certify that the altimeters and static system tests required by FAR 91.411 have been complied with and a leak test has been performed in accordance with the CFR part 43 appendix E. The altimeter has been tested to 30,000 feet. Date 09 / 12 / 2018. DMFS sequence checklist number 5983. Pilot's air data P/N: 011-00882-10 S/N: 20623495 Co-pilot's Air Data p/n: 011-00882-10 S/N: 20623495 Standby Altimeter P/N: 306171-00 S/N: 702. Complied with CFR 91.413 and CFR 91.217.

I certify that the transponder and mode C/S data correspondence tests and inspections required by FAR 91.217 and 91.413 have been performed in accordance with FAR 43 Appendices "E" and "F". #1 Transponder P/N: 011-03301-00 S/N: 3EH001479 #2 Transponder P/N: 011-03301-00 S/N: 3EF000564

This aircraft, airframe, aircraft engine, propeller, or appliance identified above, was repaired, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order № 20355.

Date Signed 09/20/2018:

David A. Baxter

Des Moines Flying Service, Inc., FAA CRS G9CR485J



Registration No. _____



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N14GV

Hobbs Reads 2284.1

Piper PA-46-500TP

TOTAL: 2284.1

Serial Number
4697092

Complied with Garmin TSO Service Bulletin Number 1828 Revision A Dated 29 August 2018, and STC Service Bulletin Number 1860 Revision A Dated 30 August 2018, on #1 GTN-750 Part Number 011-02282-00 Serial Number 1ZA019052, #2 GTN-750 Part Number 011-02282-00 Serial Number 1ZA019068 and GMA-35 Part Number 011-2299-20 Serial Number 1T6100238.

Complied with Garmin TSO Service Bulletin 1856 Revision A Dated 28 August 2018, and STC Service Bulletin Number 1861 Revision A Dated 31 August 2018, on #1 G500 System / GDU-620 Part Number 011-01264-50 Serial Number 165205078, and #2 G500 System / GDU-620 Part Number 011-01264-50 Serial Number 165205077

The aircraft, airframe, aircraft engine, propeller, or appliance identified above, was repaired, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service.

Pertinent details of the repair are on file at this agency under Work Order № 20355.

Date Signed 09/27/2018:

Arnold D. Hill

Des Moines Flying Service, Inc., FAA CRS G9CR485J





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10/17/2018 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2284.1 TOTAL: 2284.1

ENGINE	MAKE	MODEL	SERIAL No	TOTAL	TSO	TSHS
PROP	PRATT & WHITNEY	PT6A-42A	PCE-RM0093	2284.1	-	471.3
	HARTZELL	HC-E4N-3Q	HH1287	2284.1	642.2	-

Complied with an Annual inspection using Piper PA46-500TP Maintenance Manual PN 767-005,
dated 03/029/2018, chapter 5-20-00 Inspection Checklist

- Complied with 7 day oxygen cylinder inspection.
- Complied with 30 day inspection items: standby attitude emergency power supply, battery and compartment, portable fire extinguisher.
- Complied with 90 day inspection items: Hydraulic pump reservoir, brake reservoir.
- Complied with 6 month propeller lubrication.
- Complied with 50 hour oleo strut inspection for proper extension and fluid leakage, landing gear 12-10-00.
- Complied with 50 hour propeller heat inspection.
- Complied with 300 hour fixed oxygen cylinder inspection
- Complied with 1 yr engine mount to fuselage attachment brackets and attachment hardware for condition and security.
- Remove and replace left forward wing bulb PN WL-A-7512-24.
- Complied with ELT inspection per **CFR 91.207 (d)**, battery expires 09/2020
- Battery PN RG-41, S/N: 40715394 completed capacity testing to verify continued airworthiness per Concorde RG Series Main Aircraft Battery Component Maintenance Manual. Document 5-0171 Rev P dated 11/02/2015. Battery found to be at 98%.
- Complied with **Piper SB 1204** dated 12/18/2009. Operating history of this aircraft has been determined to be "Category 1, Normal Usage" at this time.
- Complied with **Piper SL 1131** dated 08/04/2010, Aileron sector bearing lubrication
- Complied with **Piper SL 1135** dated 10/19/2010 Control Cable / Pulley Inspections
- Complied with Annual Airborne 1H37 check valve inspection per Airborne SL 39A, passed inspection, reinstalled check valve.

Maintenance



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10/17/2018 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2284.1 TOTAL: 2284.1

- Replaced nose gear down spring P/N: 687-931 IAW Piper PA-46-500TP AMM 32-30-00..
- Removed faulty DAU part number: 85-254-1 serial number 0113-001 and installed a repaired DAU part number: 85-254-1 serial number: 0113-001 . Removed the faulty engine oil pressure transducer part number: 548-394 serial number 1399647 and installed a repaired engine oil pressure transducer part number: 548-934 serial number 8404-6-436. The engine oil pressure indication system tested good in accordance with the Piper PA-46-500TP M.M. 77-40-00 Drained left and right fuel systems, leveled aircraft, calibrated left and right fuel quantity I/AW Piper PA46-500TP MM chapter 28-40-00 Meggit EFIS system and calibrated the engine torque sensor in accordance with the Piper PA46-500TP MM chapter 77-10-00.
- Remove and replace left and right brake insulators (4) PN 752-094 installed.
- Removed both hydraulic powerpak pressure switches, installed new o-rings (2) PN MS28778-6, reinstalled pressure switches, serviced powerpak with MIL-5606, cleaned old hydraulic fluid from around powerpak, cycled ldg several times and no leaks were noted at this time.
- C/W One year pilot oxygen mask operational test and serviced oxygen bottle.

I certify that this **Aircraft** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No. **20355**.

Date Signed 10/17/2018:

Paul Cawthorn
Paul Cawthorn



Des Moines Flying Service, Inc., FAA CRS G9CR485J

Certificate N

AIRCRAFT LOG

N14GV
AIRFRAME
12/04/2018

HOBBS: 2299.9 **WO: 7756**

Removed and replaced prop heat timer PN:A1165-1 with new unit supplied by owner (SN:000239). All checks good at this time. END.

Josh Fix
 Joshua Fix
 A&P 3848145

Kentucky Airmotive, Inc.
 709 Airport Road
 Mt. Sterling, KY 40353
 (859) 498-6633

N14GV
AIRFRAME
02-27-2019

HOBBS: 2319.4 **WO: 7811**

Resealed right brake caliper.

Michael E. Goss
 Michael E. Goss
 AP 3077585

Kentucky Airmotive, Inc.
 709 Airport Road
 Mt. Sterling, KY 40353
 (859) 498-6633

Total To
 Carry Forward

Registration No. _____

and Remarks

Signature

Certificate

TBM
DAHER

MAC

Muncie Aviation Company
 An Employee Owned Company

Piper

Reg. Mark
 N14GV

Hobbs
 2328

Make
 Piper

Model
 PA46500TP

S/N
 4697092

Performed clutch setup on customer supplied roll servo for PA-46-500TP. Removed Roll Servo P/N 0106-8-R2 S/N 13856 and installed S/N 0734-23438. Set bridle cable to specs. System ground checks good. Work performed IAW Piper PA-46-500TP Maintenance Manual 767-005, revised March 2018, chapter 22-10.

The aircraft/component identified above was repaired/inspected in accordance with current Regulations of the Federal Aviation Administration and found airworthy, and is approved for return to service for work performed. Details of the repair/inspection are on file at this C.R.S. under Shop Order No. A-19-1945

Date 03-15-2019 Signed *[Signature]* Inspector For Muncie Aviation Company
 CRS# AJVR135C, Muncie, Indiana 47303 765-289-7141

05/03/2019 N14GV PA46-500TP S/N: 4697092
 HOBBS: 2341.9, ACTT: 2341.9
 Removed battery P/N: 601-910 S/N: 40715394,
 replaced with new battery
 P/N: 601-910 S/N: 41007373.

Kevin Stewart
 Kevin Stewart 3201234



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11/01/2019 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2388.9 TOTAL: 2388.9

ENGINE	MAKE	MODEL	SERIAL No	TOTAL	TSO	TSHSI
PRATT & WHITNEY		PT6A-42A	PCE-RM0093	2388.9	-	576.1
HARTZELL		HC-E4N-3Q	HH1287	2388.9	747.0	-

Complied with an Annual inspection using Piper PA46-500TP Maintenance Manual PN 767-005, dated 03/029/2018, chapter 5-20-00 Inspection Checklist

1. Complied with 7 day oxygen cylinder inspection.
2. Complied with 30 day inspection items: standby attitude emergency power supply, battery and compartment, portable fire extinguisher.
3. Complied with 90 day inspection items: Hydraulic pump reservoir, brake reservoir.
4. Complied with 6 month propeller lubrication.
5. Complied with 50 hour oleo strut inspection for proper extension and fluid leakage, landing gear 12-10-00.
6. Complied with 50 hour propeller heat inspection.
7. Complied with 300 hour fixed oxygen cylinder inspection
8. Complied with 1 yr engine mount to fuselage attachment brackets and attachment hardware for condition and security.
9. Complied with ELT inspection per **CFR 91.207 (d)**, battery expires 09/2020
10. Battery PN RG-41, S/N: SN 41007373, completed initial Capacity Testing to Verify Continued Airworthiness per Concorde RG Series Main Aircraft Battery Component Maintenance Manual. document 5-0171 Rev Q dated 12/04/2018, battery found to be at 99%. Next test due April 10, 2013 (12 Months) *Nov. 2020 (12 months)*
11. Complied with **Piper SB 1204** dated 12/18/2009. Operating history of this aircraft has been determined to be "Category 1, Normal Usage" at this time.
12. Complied with **Piper SL 1131** dated 08/04/2010, Aileron sector bearing lubrication
13. Complied with **Piper SL 1135** dated 10/19/2010 Control Cable / Pulley Inspections
14. Complied with Annual Airborne 1H37 check valve inspection per Airborne SL 39A, passed inspection, reinstalled check valve.



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11/01/2019 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2388.9 TOTAL: 2388.9

15. Replaced nose gear down spring P/N: 687-931 IAW Piper PA-46-500TP AMM 32-30-00..
16. Remove and replace NLG tire with new Goodyear flight custom III, 5:00x5 8 ply.
17. C/W One year pilot oxygen mask operational test and serviced oxygen bottle.
18. Remove and replace left MLG tire with new PN 606C86-6 SN 91362330 and tube PN 092-500-0.
19. Remove and replace right rear position light bulb PN 761-208 installed, ops checks good.
20. Remove and replace right MLG actuator hose with new hose PN 187-273 installed.
21. Both hydraulic powerpak hoses replaced with new hoses PN 566-176 and 566-177 installed. Test ran LDG and no leaks noted at this time.
22. Troubleshoot vent blower system, removed co-pilot side wall panel, removed old relay module and installed new module PN PS50203-1, operational checks good, reinstall sidewall panel.
23. Removed hydraulic powerpak, removed pressure switches and installed new o-rings PN MS28778-6, reinstalled hydraulic powerpak into aircraft, test ran and no leaks noted.
24. C/W 400 Hour Wing fuel strainer inspection, no fuel strainer obstructions. Reinstalled fuel that was removed.
25. C/W 1 Year acrylic window prism inspection I/AW PA46-500TP AMM chapter 56-00-00.
26. Complied with Annual Airborne 1H37 check valve inspection per Airborne SL 39A, passed inspection, reinstalled check valve.
27. Removed flow sensor assy PN 1300464-12 SN 383 and installed flow sensor assy PN 1300464-12 SN 286, operational tested good at this time.

I certify that this **Aircraft** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No. **20727**.

Date Signed 11/01/2019:

Paul Cawthorn
Paul Cawthorn

Des Moines Flying Service, Inc., FAA CRS G9CR485J



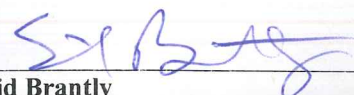
Certificate No

N14GV
AIRFRAME
06-09-2020

HOBBS: 2431.2

WO: 8100

Removed and replaced failed air conditioner compressor P/N 557-802 with new compressor same part number, S/N 0562012680 (Aircraft Accessories SO20-1085). Evacuated AC system and charged with 24 oz refrigerant R134a. Replaced ac compressor and alternator belts with new belts P/Ns 17017215 and 17019279. Completed engine ground run and checked AC pressures: 35/200 @ ambient air temp 85°F. Operations normal. END


Sid Brantly
A&P 2754299

Kentucky Airmotive, Inc.
709 Airport Road
Mt. Sterling, KY 40353
(859) 498-6633

Registration No. _____



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N14GV

Piper PA-46-500TP

Serial Number
4697092

Hobbs Reads 2448.8

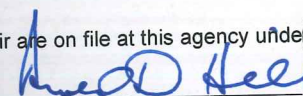
TOTAL:

Removed S-Tec Magic 1500 A/P computer Part Number 01304-01-01-001 Serial Number 01304-1230-0031 and shipped to S-Tec for repair. Installed repaired S-Tec Magic 1500 A/P computer Part Number 01304-01-01-001 Serial Number 0706-194. Ramp tested verified proper operation. S-Tec issued 8130.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above, was repaired, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service.

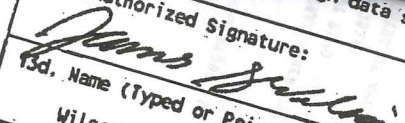
Pertinent details of the repair are on file at this agency under Work Order No 31262.

Date Signed 08/03/2020:


Arnold D. Hill

Des Moines Flying Service, Inc.,

FAA CRS G9CR485J

13b. Authorized Signature:

13d. Name (Typed or Printed):
Wilson, James

AIRCRAFT LOG



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08/04/2020 N14GV
Hobbs: 2448.8

S/N 4697092

1. Removed and replaced condenser PN 83956-003, Flushed high side and low side system out. Replaced receiver drier PN 601-218, work performed IAW PA-46-500TP Chapter 21-50-00 AMM.
2. Replaced aft door cable PN 89630-005. Work performed IAW PA-46-500TP chapter 52-10-00 AMM.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above, was repaired, and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order No 21058.

Date Signed 08/04/2020:

Todd Theulen



Todd Theulen

Des Moines Flying Service, Inc., FAA CRS G9CR485J

Maintenance

09/28/2020

N14GV

PA46-500TP

S/N: 4697092

Hobbs 2459.5

ACTT: 2459.5

Cycles: 1690

Removed S-Tec Magic 1500 A/P computer P/N: 01304-01-01-001 S/N: 0706-194 and installed repaired S-Tec Magic 1500 A/P computer P/N: 01304-01-01-001 S/N: 01304-1409-00383. All checks were good. Aircraft returned to service.

Kevin Stewart

Kevin Stewart 3201234 Dated September 28, 2020



KENTUCKY AIRMOTIVE
709 AIRPORT RD.
MT. STERLING, KY 40353
859-498-6633

N14GV
AIRFRAME
10-02-2020

HOBBS: 2459.5

Removed autopilot master switch P/N 688-296. Installed and tested new autopilot master switch P/N 688-296 (DMFS 113471).

Signed

Brian K. Halcomb

Brian K. Halcomb A&P #234567 4140969

Total To

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12/01/2020

N14GV

PIPER
PA-46-500TP

SN 46-97092

Maintenance

HOBBS: 2477.5

Complied with CFR 91.411 requirements.
I certify that the altimeters and static system tests required by FAR 91.411 have been performed.
The altimeter has been tested to 30,000 feet. Date 12 / 01 / 2020. Pilot's air data P/N: 011-00882-10
S/N: 20623495 Co-pilot's Air Data p/n: 011-00882-10 S/N: 20623488 Standby Altimeter P/N:
306171-00 S/N: 702. DMFS sequence checklist number 6111.

Complied with CFR 91.413 and CFR 91.217 requirements.
I certify that the transponder and mode C/S data correspondence tests and inspections required by
FAR 91.217 and 91.413 have been performed in accordance with FAR 43 Appendices "E" and "F".
#1 Transponder P/N: 011-03301-00 S/N: 3EH001479 #2 Transponder P/N: 011-03301-00 S/N:
3EF000564.

This aircraft, airframe, aircraft engine, propeller, or appliance identified above, was repaired, and
inspected in accordance with current regulations of the Federal Aviation Agency and is approved for
return to service. Pertinent details of the repair are on file at this agency under Work Order No
21233.

Date Signed 12/01/2020:

David A. Baxter

Des Moines Flying Service, Inc., FAA CRS G9CR485J



INTERNATIONAL AIRPORT
PO BOX 35126 - DES MOINES, IOWA 50315-
0302 TELEPHONE (515) 256-5300 - FAX (515)
256-5537
dmfs.com

ificate No.

12/03/2020 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2477.5 TOTAL: 2477.5

ENGINE	MAKE	MODEL	SERIAL No	TOTAL	TSO	TSHS
PROP	PRATT & WHITNEY	PT6A-42A	PCE-RM0093	2477.5	-	664.7
	HARTZELL	HC-E4N-3Q	HH1287	2477.5	835.6	-

Complied with an Annual inspection using Piper PA46-500TP Maintenance Manual PN 767-005,
dated 03/02/2018, chapter 5-20-00 Inspection Checklist
07/31/2019 P.C.

1. Complied with 7 day oxygen cylinder inspection.
2. Complied with 30 day inspection items: standby attitude emergency power supply, battery and compartment, portable fire extinguisher.
3. Complied with 90 day inspection items: Hydraulic pump reservoir, brake reservoir.
4. Complied with 6 month propeller lubrication.
5. Complied with 50 hour oleo strut inspection for proper extension and fluid leakage, landing gear 12-10-00.
6. Complied with 50 hour propeller heat inspection.
7. Complied with 300 hour fixed oxygen cylinder inspection
8. Complied with 1 yr engine mount to fuselage attachment brackets and attachment hardware for condition and security.
9. Complied with ELT inspection per **CFR 91.207 (d)**, battery expires Apr 2023
10. Battery PN RG-41, S/N: SN 41007373, completed initial Capacity Testing to Verify Continued Airworthiness per Concorde RG Series Main Aircraft Battery Component Maintenance Manual. document 5-0171 Rev Q dated 12/04/2018, battery found to be at 93%.
11. Complied with **Piper SB 1204** dated 12/18/2009. Operating history of this aircraft has been determined to be "Category 1, Normal Usage" at this time.
12. Complied with **Piper SL 1131** dated 08/04/2010, Aileron sector bearing lubrication
13. Complied with **Piper SL 1135** dated 10/19/2010 Control Cable / Pulley Inspections
14. Complied with Annual Airborne 1H37 check valve inspection per Airborne SL 39A, passed inspection, reinstalled check valve.
15. C/W One year pilot oxygen mask operational test and serviced oxygen bottle.



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12/03/2020 N14GV PIPER PA46-500TP SN 4697092
HOBBS: 2477.5 TOTAL: 2477.5

16. C/W 1 Year acrylic window prism inspection I/A/W PA46-500TP AMM chapter 56-00-00.
17. Remove and replaced right MLG tire PN 6:00x6 8 ply Goodyear Flight Custom III and tube PN 6:00x6.
18. Remove and replace left rear position light bulb PN 761-208, ops cks good.
19. Installed spacer P/N 82695-122 in lower A/C attach point IAW Piper PA-46-500TP AMM Section 7, figure 49. Tensioned A/C and alternator belts as necessary. Adjusted alternator and air compressor belt tensions.
20. Remove and replace left and right MLG upper torque link bushings (4) PN 452-857 and MLG lower torque link bushings (4) PN 67026-007.
21. C/W Piper SL 1272 dated 10-25-2019 Elevator spar inspection, no defects at this time.
22. Defuel left fuel system, remove fuel panel, remove old sealant, prep and apply new sealant to fuel cover, Chem seal CS 3330 B2, torqued fuel access cover screws. Reinstall fuel that was removed and no leaks noted.
23. Removed and replaced hydraulic system aft pressure switch PN 767-238 and PN MS28778-6 o-ring. Test ran hydraulic system by running LDG up and down, no leaks noted at this time, serviced hydraulic reservoir.
24. Drained ac system and serviced with 1.5 lbs of freon, work performed IAW PA-46-500TP 21-50-00 AMM.

I certify that this **Aircraft** has been inspected in accordance with an **Annual Inspection** and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No. **21233**.

Date Signed 12/03/2020:


Paul Cawthorn

Des Moines Flying Service, Inc., FAA CRS G9CR485J

Total
Carry

