

AIRCRAFT LOG



AIRCRAFT LOG

PIPER AIRCRAFT, INC.

General Offices at
Vero Beach, Florida
U.S.A.

N321AG

Aircraft

Registration number



Scanned with CamScanner

Part No. 230715

2239004

NAME

NOTICE

Making false entries in this book is a violation of government regulations and is punishable by civil penalty.

PAINT TYPE: Dupont Imron Polyurethane

AIRCRAFT DESCRIPTION

Registration No. N321AGModel: PA-46-350PPopular Name: MALIBU MIRAGESerial No.: 4636563
PL293Type Certificate No.: A25SO
PL205Colors: SNOW WHITE/SABLE PEARL & SHELL YELLOWEngine Manufacturer: LYCOMINGSerial Numbers: Single L-13899-61AOriginal Engine Model: TIO-540-AE2A

Left _____

Right _____

Propeller Manufacturer: HARTZELLHub or Serial Number: Single NY114BOriginal Propeller Model: HC-I3Y1R-IN

Left _____

Right _____

Blade Numbers

Left

A6338

Right

A6346A6347**2013 MODEL**

Scanned with CamScanner

[illegible]

Date	Reason	New Useful Load	Resulting Empty		
			Weight	C. G.	Moment

jetsource

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	37.1	Cycles	

- REPLACED # 2 ALTERNATOR SWITCH WITH NEW P/N 688-296 I.A.W. PIPER PA-46-350P MAINTENANCE MANUAL CHAPTER 24-30-00 OPS CHECK GOOD.
- REPLACED LEFT WING STATIC WICK WITH NEW P/N 456-904 I.A.W. PIPER PA-46-350P MAINTENANCE MANUAL CHAPTER 23-60-00.

Judy A. Crawford
Judy A. Crawford
CRSJ36R336X

12/06/2012

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES

[illegible]

OVERHAULS

[illegible]


AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
NOV 01 2012	Brought Forward →	4.8	I find that the aircraft meets the requirements for the certification requested and have issued a Standard Airworthiness Certificate.	
			The Altimeter and Static System Test required by FAR 91.411 have been performed. The altimeter(s) have been tested:	
			On (Pri) <u>09/13/12</u> (Sec) <u>09/13/12</u>	
			<u>55,000 n</u> <u>55,000 n</u>	
			The ELT is installed per FAR 91.207. Battery Replacement date: <u>AUG 2019</u>	
			Dated: <u>NOV 01 2012</u>	
			<u>Robert L. Olsen</u>	
			ROBERT L. OLSEN DMIR-832848-CE	
			Piper Aircraft, Inc. Vero Beach, Florida	
Total Carry Forward		4.8		

Registration No. N321AG

and Remarks	Signature	Certificate No.
The ATC Transponder Tests and Inspections required by FAR 91.413 were performed this date and found to comply with FAR 43. Appendix F.		
1. Make <u>GARMIN</u> Model <u>GTX33</u> S/N <u>89123722</u>		
2. Make <u>NA</u> Model <u>NA</u> S/N <u>NA</u>		
Details of this inspections are on file at this facility under:		
ACFT S/N <u>4636563</u> Date <u>10/11/12</u>		
The Automatic Pressure Altitude Reporting Equipment Test required by FAR Part 91.217 have been performed this date: <u>10/11/12</u>		
<u>Robert L. Olsen</u>		
ROBERT L. OLSEN DMIR-832848-CE		
Piper Aircraft, Inc. Vero Beach, Florida		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
NOV 01 2012	Brought Forward →	4.8		The stall system computer is adjusted at the factory. Component changes require that the computer settings be checked and adjusted per Piper Process Specification (PPS) 60089-2. The settings for this aircraft are: Tipgrams +/- 1/2 STALL WARNING POWER FLAPS OFF Full Up 0° <u>+3.2</u> OFF 10° - 20° <u>+0.8</u> OFF Full Down 36° <u>-0.3</u> ON Full Up 0° <u>+2.1</u> ON 10° - 20° <u>-0.2</u> ON Full Down 36° <u>-1.1</u> The standby altimeter and static system test required by FAR Part 91.411 have been performed. The standby altimeter has been tested to <u>35,000</u> feet on <u>08/14/12</u> Signed: <u>Robert L. Olsen</u>  ROBERT L. OLSEN DMIR-832848-CE PIPER AIRCRAFT, INC. Total To Carry Forward 4.8

Registration No. N321AG

and Remarks

Signature

Certificate No.

JetSource

AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	46.2	Cycles	

The following maintenance/inspection/repairs have been accomplished:

- COMPLETED 50 HOUR INSPECTION I.A.W. PIPER PA-46-350P MAINTENANCE MANUAL WARRANTABLE 1ST 50 HOUR INSPECTION REPORT
- TIGHTENED CO-PILOTS HEAD PHONE JACK.
- ADJUSTED AFT FACING PAX SEAT PUSH BUTTON AND CABLE I.A.W. PIPER PA-46-350P MAINTENANCE MANUAL CHAPTER 25-00-00 OPS CHECK GOOD.
- SERVICED HYDRAULIC PUMP FLUID I.A.W. PIPER PA-46-350P MAINTENANCE MANUAL CHAPTER 12-00-00.

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: MR12-06001.

Joey L. Crawford
Joey L. Crawford
CRSJ36R336X

Jet Source Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

12/11/2012

AIRCRAFT LOG

Date	Aircraft Time	Recorder	Maintenance
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jetsource

AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	66.4	Cycles	

The following maintenance/inspection/repairs have been accomplished:

- REMOVED FUEL PRESSURE SWITCH P/N 688-373 S/N 1163 AND INSTALLED NEW SWITCH P/N 688-373 S/N 1169 I.A.W. PIPER PA46-350P MAINTENANCE MANUAL CHAPTER 71-00-00. OPS CHECK GOOD.

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: **MR12-06019**.

Joey L. Crawford
Joey L. Crawford
CRSJ36R336X

Jet Source Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

01/24/2013

Total
Cycles

Registration No. _____

and Remarks	Signature	Certificate No.
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jetsource

AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	99.8	Cycles	

The following maintenance/inspection/repairs have been accomplished:

- REMOVED RPM SENSOR P/N 0402-102 S/N C0418 AND INSTALLED NEW P/N 0402-102 S/N C0440 I.A.W. PIPER PA46-350P MAINTENANCE MANUAL. OPS CHECK GOOD.

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: **MR13-06190**.

Joey L. Crawford
Joey L. Crawford
CRSJ36R336X

Jet Source Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

05/31/2013

AIRCRAFT LOG



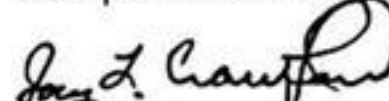
AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	103.9	Cycles	

The following maintenance/inspection/repairs have been accomplished:

- REMOVED NUMBER 2 ALTERNATOR REGULATOR P/N 84199-006 S/N 80JK55902 AND INSTALLED NEW REGULATOR P/N 84199-006 S/N 80K54817 I.A.W. PIPER PA-46-350P MAINTENANCE MANUAL CHAPTER 91-24-30.
- COMPLIED WITH SERVICE BULLETIN No. 1258 INSPECTION PART I AND PART II. NEW FUEL VENT VALVES ON ORDER.
- COMPLIED WITH SERVICE LETTER 1168 FALSE ALTERNATOR FAIL ANNUNCIATIONS.

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: **MR13-06219**.


Joey L. Crawford
CRSJ36R336X

Jet Source Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

07/12/2013

Total
Carburetor

Registration No. _____

and Remarks

Signature

Certificate No.



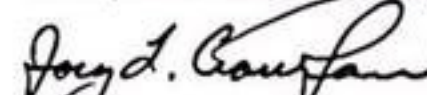

AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	128.3	Cycles	

The following maintenance/inspection/repairs have been accomplished:

- COMPLIED AD 2013-13-01 I.A.W. SERVICE BULLETIN No. 1258 INSPECTION PART III AND PART IV. NEW DUCKBILL CHECK VALVES P/N 106927-001 INSTALLED.

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: **MR13-06281**.


Joey L. Crawford
CRSJ36R336X

Jet Source Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

07/24/2013



AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	128.3	Cycles	

The following maintenance/inspection/repairs have been accomplished:

- COMPLIED WITH PIPER SERVICE LETTER SL1168 FALSE ALTERNATOR OUT INDICATION PER SL ACCOMPLISHMENT INSTRUCTIONS.
- REMOVED #2 ALTERNATOR P/N ALU-6559-LS S/N H-M061184 AND INSTALLED NEW ALTERNATOR P/N ALU-8521LS S/N H-N041445 I.A.W. PIPER PA46-350P MAINTENANCE MANUAL CHAPTER 24-30-00 AND LYCOMING TIO-540-AE2A OVERHAUL MANUAL AND IPC SECTION 5.
- REPLACED FUSE P/N 461-659 IN #2 ALTERNATOR AUX LINE I.A.W. PIPER PA46-350P MAINTENANCE MANUAL CHAPTER 91-24-30.
- REPLACED LEFT FUEL DRAIN P/N 492-361 I.A.W. PIPER PA46-350P MAINTENANCE MANUAL CHAPTER 28.

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: **MR13-06281**.

Joey L. Crawford
CRS J36R336X
Carry Forward

Jet Source Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

08/02/2013



AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	158.4	Cycles	

The following maintenance/inspection/repairs have been accomplished:

- COMPLIED WITH ANNUAL INSPECTION I.A.W. PIPER PA-46-350P MAINTENANCE MANUAL CHAPTER 5-20-00.
- PERFORMED SPECIAL INSPECTION 30 DAY CALENDAR ITEMS I.A.W. PIPER PA46-350P MAINTENANCE CHAPTER 5 -30-00.
- PERFORMED SPECIAL INSPECTION 90 DAY CALENDAR ITEMS I.A.W. PIPER PA46-350P MAINTENANCE CHAPTER 5 -30-00.
- PERFORMED SPECIAL INSPECTION 4 MONTH CALENDAR ITEMS I.A.W. PIPER PA46-350P MAINTENANCE CHAPTER 5 -30-00.
- PERFORMED SPECIAL INSPECTION 6 MONTH CALENDAR ITEMS I.A.W. PIPER PA46-350P MAINTENANCE CHAPTER 5 -30-00.
- PERFORMED SPECIAL INSPECTION 12 MONTH CALENDAR ITEMS I.A.W. PIPER PA46-350P MAINTENANCE CHAPTER 5 -30-00.
- REPLACED STANDBY BATTERY WITH NEW P/N 9015607 S/N D13-10976 I.A.W. PIPER PA46-350P MAINTENANCE MANUAL CHAPTER 34-20-00.
- COMPLIED WITH PIPER SERVICE BULLETIN No. 1204 RE-CALCULATION OF WING STRUCTURE LIFE LIMIT DUE TO UNIQUE USAGE THIS AIRCRAFT IS USED IN NORMAL USAGE AND IS NOT AFFECTED BY THIS BULLETIN AT THIS TIME.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN FOUND TO BE IN AIRWORTHY CONDITION

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: **MR13-06400**.

Joey L. Crawford
CRSJ36R336X

Jet Source Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

11/01/2013

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THIS TIME.

I CERTIFY THAT THIS
FOUND TO BE IN AIR
The aircraft identified a
Federal Aviation Admini

report are on file at this facility under work order. B: 8507200090 ECCN: 9A991

John L. Crawford
John L. Crawford
CR 336X

Jet Source Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

Number	5272154
	
Ship Date	10/28/2013
Page	1 of 1

Bill To:

4809 Jet Source Management Inc
2056 Palomar Airport Rd
Carlsbad, CA 92008-4863

Fax: (760) 438-0526

Phone: (760) 438-1042

Contact: Glenn Gray

Shipping Method		Payment Terms	
UPS		COD	
Model Number	Type of Sale	W/O Number	
	NEW	OUTRIGHT	

11/01/2013

Scanned with CamScanner

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
Brought Forward →				



AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	166.3	Cycles	

The following maintenance/inspection/repairs have been accomplished:

- REMOVED AND REPLACED WINDOW SHADES WITH NEW P/N 584-755 (AFT CABIN, REAR LEFT), 2 NEW P/N 584-756 (AFT CABIN FORWARD), SERVICEABLE P/N 584-753 (CABIN ENTRY DOOR), SERVICEABLE P/N 584-752 (CABIN EMERGENCY DOOR) AND NEW P/N 584-754 (AFT CABIN, REAR, RIGHT)

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: MR13-06418.

Jet Source Inc.

2056 Palomar Airport Road

Carlsbad, CA 92011

11/15/2013

CRSJ36R336X



AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	242.5	Cycles	

The following maintenance/inspection/repairs have been accomplished:

- COMPLIED WITH ANNUAL INSPECTION I.A.W. PIPER PA-46-350P MAINTENANCE MANUAL CHAPTER 5-20-00.
- PERFORMED SPECIAL INSPECTION 30 DAY CALENDAR ITEMS I.A.W. PIPER PA46-350P MAINTENANCE CHAPTER 5-30-00.
- REMOVED ENGINE MOUNT FRAME P/N 89137-042 S/N 908359 AND INSTALLED NEW ENGINE MOUNT FRAME P/N 89137-043 S/N M00145875 I.A.W. PIPER SERVICE BULLETIN No. 1103E AND PIPER PA46-350P MAINTENANCE MANUAL CHAPTER 71-00-00. PILOT'S OPERATING HANDBOOK SECTION 6 WEIGHT AND BALANCE UPDATED TO SHOW NEW MOUNT.
- PERFORMED SPECIAL INSPECTION 90 DAY CALENDAR ITEMS I.A.W. PIPER PA46-350P MAINTENANCE CHAPTER 5-30-00.
- PERFORMED SPECIAL INSPECTION 4 MONTH CALENDAR ITEMS I.A.W. PIPER PA46-350P MAINTENANCE CHAPTER 5-30-00.
- PERFORMED SPECIAL INSPECTION 6 MONTH CALENDAR ITEMS I.A.W. PIPER PA46-350P MAINTENANCE CHAPTER 5-30-00.
- PERFORMED SPECIAL INSPECTION 12 MONTH CALENDAR ITEMS I.A.W. PIPER PA46-350P MAINTENANCE CHAPTER 5-30-00.
- REPLACED STANDBY BATTERY P/N 9015607 S/N D13-10976 WITH LOANER BATTERY P/N 9015607 I.A.W. PIPER PA46-350P MAINTENANCE MANUAL CHAPTER 34-20-00.
- COMPLIED WITH PIPER SERVICE LETTER NO. 1183 MAINTENANCE ALERT ELEVATOR PLATE ASSEMBLY RIVET INSPECTION I.A.W. SERVICE LETTER NO. 1183 INSTRUCTIONS DUE AGAIN AT 342.5 HOURS.
- COMPLIED WITH PIPER SERVICE BULLETIN No. 1204 RE-CALCULATION OF WING STRUCTURE LIFE LIMIT DUE TO UNIQUE USAGE THIS AIRCRAFT IS USED IN NORMAL USAGE AND IS NOT AFFECTED BY THIS BULLETIN AT THIS TIME.
- REPLACED LEFT BRAKE PADS WITH NEW P/N 066-06200 I.A.W. PIPER PA46-350P MAINTENANCE MANUAL CHAPTER 32-40-00.

I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN FOUND TO BE IN AIRWORTHY CONDITION

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: MR13-06665.

Joe L. Crawford
CRSJ36R336X

Jet Source Inc.

2056 Palomar Airport Road

Carlsbad, CA 92011

10/27/2014

Certificate No.

AIRCRAFT LOG



AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA46-350P
Registration	N321AG	Serial Number	4636563
Total Time	242.5	Date	10/27/2014

The following maintenance/inspection/repairs have been accomplished:
THE ALTIMETER AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH FAR 43, APPENDIX E. THE ALTIMETERS HAVE BEEN TESTED TO 35,000 FT.

PILOTS P/N 011-00882-10 S/N 20613417
CO-PILOTS P/N 011-00882-10 S/N 20613423
STANDBY P/N 5934PAD-3 S/N 497478

THE ATC TRANSPONDER TESTS AND INSPECTIONS REQUIRED BY FAR 91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH FAR 43, APPENDIX F.

GARMIN GTX 33 #1 ATC P/N 011-00779-10 S/N 89123722

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: MR14-06665.

[Signature]
D. L. Crawford
CRS J36R336X

Jet Source Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

10/27/2014

Registration No.

and Remarks

Signature

Certificate No.



AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	246.8	Cycles	

The following maintenance/inspection/repairs have been accomplished:

- REPLACED STANDBY BATTERY P/N 9015607 S/N C12-11210 WITH NEW BATTERY P/N 9015607 S/N J14-10618 I.A.W. PIPER PA46-350P MAINTENANCE MANUAL CHAPTER 34-20-00 OPS CHECK GOOD.

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: MR14-06808.

[Signature]
D. L. Crawford
CRSJ36R336X

Jet Source Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

11/07/2014

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			



AIRFRAME LOGBOOK ENTRY CRS # J36R336X

Manufacturer	PIPER	Model	PA-46-350P
Registration	N321AG	Serial Number	4636563
Total Time	260.8	Cycles	

The following maintenance/inspection/repairs have been accomplished:

- REPLACED LEFT MAIN TIRE P/N 070-317-0 S/N 2090S00150 WITH NEW P/N 606C86-6 S/N 42692258 AND NEW TUBE P/N TU600-6ACL I.A.W. PIPER PA46-350P MAINTENANCE MANUAL CHAPTER 32-10-00.
- PERFORMED MAIN LANDING GEAR WHEEL ALIGNMENT CHECK I.A.W. PIPER PA-46-350P MAINTENANCE MANUAL CHAPTER 32-10-00. ADJUSTED LEFT GEAR .25 DEGREES TOE IN.

The aircraft identified above was inspected and/or repaired in accordance with the current manufacturers specifications and current Federal Aviation Administration regulations and is returned to service with respect to the work performed. Pertinent details of this report are on file at this facility under work order: MR15-06964.

Joe L. Crawford
Joe L. Crawford

Jet Source Inc.
2056 Palomar Airport Road
Carlsbad, CA 92011

03/02/2015

CRSJ36R336X

Total To
Carry Forward

Registration No. _____

and Remarks	Signature	Certificate No.
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MAKE: Piper
MODEL: PA-46-350P
S/N 4636563
REG NO. N321AG
WORK ORDER: 27665



American Aircraft Maintenance, Inc.

Repair Station No. Z5SR421Y
19711-B Campus Drive
Santa Ana, CA 92707
Phone: (949) 852-8420

DATE: 9/3/2015
A/C TSN
HOBBS: 309.6

Airframe Entries

Tach indication inoperative. Inspection and test found bad sensor on left magneto. Replaced sensor s/n C0440, with new s/n C0899. Operational check good.

THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.

DATE: 9/3/2015

SIGNED:

Richard Sanchez
Certified Repair Station No. Z5SR421Y

Work Order: 27665

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WESTERN AVIONICS, INC.

19300 IKE JONES DR., SANTA ANA, CA 92707 CRS YH3R997L

N321AG PIPER PA 46-350P S/N 4636563 WO# 237034 Hobbs Time: 310.5

Performed 12 mo ELT Test / Inspection IAW FAR 91.207 (d) and Artex Document 570-1600 REV L for
(ME 406 ELT PN: 453-6603 Sn: 197-12816) 15 DIGIT HEX ID: ADCC40C84000315
BATTERY PN: 452-6499 REPLACEMENT DATE Aug 2019

THE AIRCRAFT COMPONENT(S) IDENTIFIED ABOVE HAVE BEEN INSPECTED WITH REFERENCE TO ALL CURRENT FEDERAL AVIATION REGULATIONS AND FOUND AIRWORTHY FOR RETURN TO SERVICE WITH RESPECT TO WORK PERFORMED. PERTINENT DETAILS ARE ON FILE AT THIS AGENCY.


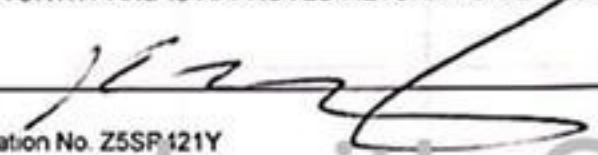
Signed

YH3R997L Stan Erickson



10/26/2015

Date

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
MAKE: Piper MODEL: PA-46-350P SN: 4636563 REG. NO: N321AG WORK ORDER: 27739				
 American Aircraft Maintenance, Inc. Repair Station No. Z5SR421Y 19711-B Campus Drive Santa Ana, CA 92707 Phone: (949) 852-8420				
DATE: 11/6/2015 A/C TSN: 310.5 HOBBS: 310.5				
Airframe Entries Complied with an Annual inspection in accordance with FAR Part 43, Appendix D, using Piper Aircraft, Inc. Inspection Report p/n 767-011 as a guide. All Airworthiness Directives are in compliance at this time through bi-weekly issue 2015-22.... Jacked aircraft, removed right wheel, replaced tire and re-installed.... 406 MHz ELT inspection and test per FAR 91.207(d) complied with by Western Avionics CRS #YH3R997L.... Replaced tail beacon lamp and checked good.... Removed and replaced 6 backlighting bulbs on overhead switches. Operational check good.... Parking brake valve siezed internally, replacement recommended. Placarded as INOP.... Replaced left front door cable.... Serviced brake fluid reservoir.... Complied with Piper SB 1256 by changing hardware.... Removed nose wheel, replaced tire and re-installed.... Lubricated Aileron sector bearings in accordance with Piper Service Letter No. 1131.... Complied with Piper Service Letter No. 1183 by removal of aft fuselage strap and borescope inspection of elevator plate assembly rivets. No defects noted at this time.... Complied with Piper VSP 249 - Hartzell SB 062 by inspection of alternator through bolts. Verified fillister head screw installation. No further action required.... Complied with Piper Mandatory Service Bulletin No. 1280 - H3R. Fire extinguisher date of manufacture within affected range. Extinguisher weighed .1 oz below minimum weight.... Removed and replaced vacuum relief filters.... Adjusted turbo controller, static ground run at 2450 rpm = 41.5"hg. (42.5+ achievable with rapid throttle opening) .. Removed and replaced TIT probe with new per AD2011-06-10. Operational check good.... Complied with Piper Mandatory Service Bulletin No. 1283 by securing altitude encoder with thread locker 242 an cable ties.... Removed left main wheel, replaced tire, and re-installed.... Replaced fire extinguisher and mounting bracket.... Complied with Piper SB 1204. Operating history of this aircraft has been determined to be "Category I, Normal Usage" at this time.				
THIS AIRCRAFT OR COMPONENT HAS BEEN REPAIRED AND/OR INSPECTED AS OUTLINED ABOVE IN ACCORDANCE WITH CURRENT MAINTENANCE RULES OF 14 CFR, IT IS FOUND AIRWORTHY AND IS APPROVED RETURN TO SERVICE.				
DATE: 11/6/2015 SIGNED:  Work Order: 27739 Richard Sanchez Certified Repair Station No. Z5SR421Y Printed by EBis 3 (datcomedia.com)				

Registration No. _____

and Remarks	Signature	Certificate No.
Make: Piper Model: PA46-350P Ser # 4636563 Reg # N321AG	Ultimate Aviation Ogden-Hinckley Airport Ogden, Utah.	Tach Time: Hobbs Time: 319.4 Total Time: WO#: P1603
Painted aircraft: strip/sand/prep/wash/prime/paint. Flight controls removed, balanced, installed. Paint colors: Black 5227161, Red 07432, White 3462267, Clear coat. Parking brake ops tested – operated per Piper MM specs, no discrepancy. I certify that the work on this Aircraft has been performed in accordance with Piper MM and AC43-13 and is approved to return to service.		
Signature & Certificate # 	A&P 611287243 IA	Date 15Jan2016
The Flight Shop, Inc. 435/723-3469 6/21/2016 N321AG Hobbs 350.8 Aircraft Log 1. Replaced flap full travel micro switch & adjusted. AP3350928IA 		

MAKE: Piper
MODEL: Pa 46-350p
S/N: 4636563
REG NO: N321AG
WORK ORDER:
2890-09-2016



Neal Aviation, LLC.
Repair Station No. NOER688Y
1860 Joe Crosson Drive
Hangar I
El Cajon, CA 92020
Phone: 619-663-1000

DATE: 9/7/2016
A/C TSN:
HOBBS: 379.2

Airframe Entries

(1) I CERTIFY THAT THE ALTIMETER AUTOMATIC PRESSURE ALTITUDE REPORTING AND STATIC SYSTEMS TESTS AND INSPECTIONS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH FAR PART 43, APPENDIX E.

ALTIMETER TESTED TO: 20,000
PILOT PFD S/N: 88956582
COPILOT PFD S/N: 88956583

GDC 1 S/N: 20613417
GDC 2 S/N: 20613423

I CERTIFY THAT THE ATC TRANSPONDER TESTS AND INSPECTIONS REQUIRED BY FAR 91.413 (A) HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH FAR PART 43, APPENDIX F.

TRANSPONDER #1 S/N: IN AIRCRAFT

MAINTENANCE RELEASE

THE AIRCRAFT AND/OR COMPONENT(S) ON N321AG WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FARs RULES OF THE FEDERAL AVIATION REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER Work Order NO. 2890-09-2016 DATED 9/7/2016.

DATE: 9/7/2016

SIGNED

Work Order: 2890-09-2016

Printed by EBis 3 (datcomedia.com)

MAKE: PIPER
MODEL: PA-46-350P
S/N: 4636563
REG. NO. N: 21AG
WORK ORDER:
6444-08-2016

HIGH PERFORMANCE AIRCRAFT, INC.

Repair Station No. HPFR569X
1850 JOE CROSSON DRIVE
El Cajon, CA 92020
Phone: 619-766-0000

DATE: 12/19/2016
A/C TSN: 403.3
HOBBS: 403.3

Airframe Entries

D AN ANNUAL INSPECTION IN ACCORDANCE WITH FAR PART 43, APPENDIX D, USING CURRENT MALIBU MIRAGE PA46-350P MAINTENANCE MANUAL 5-20-00 CHECKLIST AS A GUIDE. ALL AD'S CHECKED THRU THIS DATE, SEE ATTACHED LIST.... COMPLIED WITH PIPER SB 1048 BY LUBRICATING CABLES WITH AEROSHELL 33 AS INSTRUCTED.... COMPLIED WITH PIPER SB 1204 (RE-CALCULATION OF WING STRUCTURE LIFE LIMIT DUE TO UNIQUE USAGE) OWNER HAS STATED THAT AIRCRAFT HAS ONLY BEEN OPERATED WITHIN CATEGORY 1, NORMAL USAGE, IAW SB GUIDELINES.

- CONTINUED FROM PREVIOUS PAGE -

RECURRING COMPLIANCE DUE EACH YEAR OR 250 HOURS, WHICHEVER COMES FIRST... INSPECTED THE ELT SYSTEM AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d) ON THIS DATE. ELT BATTERY EXPIRES ON 8/31/2019.... COMPLIED WITH PIPER SL 1194A (GARMIN G1000 SOFTWARE UPDATE 720.17) INSTALLED SOFTWARE AND TESTED G1000 SYSTEM OPERATIONS PER SL INSTRUCTIONS, INSPECTED COMPONENTS FOR SECURITY, NO ABNORMALITIES NOTED AT THIS TIME... COMPLIED WITH PIPER SB 1291 (EXECUTIVE TABLE PLACARDS REPLACEMENT) INSTALLED DECAL KIT P/N 88581-701... COMPLIED WITH PIPER SB 1293A (ENGINE MOUNT DOUBLER INSTALLATION AND TOWING PLACARDS REPLACEMENT) NO DAMAGE NOTED, NO REINFORCEMENT REQUIRED AT THIS TIME, REPLACED TOWING PLACARDS WITH NEW STYLE P/N 88582-701 AND P/N 88582-702... COMPLIED WITH PIPER SL 1183 (ELEVATOR PLATE ASSEMBLY RIVET INSPECTION). INSPECTED RIVETS ON ELEVATOR CONTROL HORN PLATE, NO ABNORMALITIES NOTED AT THIS TIME, REINSPECT EACH 100 HOURS... INSTALLED BATTERY MINDER CONNECTOR TO BATTERY IN FORWARD BAGGAGE COMPARTMENT... INSTALLED 2 DAYS WINGS STC SA00859AT EXTENDED RANGE FUEL FILLER KIT P/N UD-3 SEE FORM 337... REPLACED CABIN DRAIN DECALS WITH 3 EA. P/N 656-250... REMOVED, CLEANED, INSPECTED, AND REINSTALLED FUEL FILTER. NO CONTAMINANTS WERE FOUND.... COMPLIED WITH FIRE EXTINGUISHER INSPECTION AND WEIGHT CHECK. FOUND TO BE WITHIN SERVICEABLE LIMITS AT THIS TIME... PERFORMED CONCORDE BATTERY RECONDITIONING AND CAPACITY TEST, BATTERY CAPACITY IS WITHIN SERVICE LIMITS AT THIS TIME, RECHARGED AND REINSTALLED... DRAINED FUEL TANKS, INSPECTED FUEL TRANSMITTERS, ELEC. CONNECTORS, STRAINERS, FUEL TRANSMITTER FLOATS AND FUEL TANK SEALING MATERIAL. NO ABNORMALITIES NOTED AT THIS TIME, REINSTALLED ACCESS PANELS AND REFUELED, NO LEAKS DETECTED AFTER REFUELING... PERFORMED 2-YEAR MAGNETIC COMPASS SWING AND CHECKED MAGNETOMETER CALIBRATION, PFD INDICATIONS ARE ACCURATE AT THIS TIME. INSTALLED NEW COMPASS CORRECTION CARD... PERFORMED SPEED BRAKE INSPECTION AND LUBRICATION PER M/M 27-60-00... ADJUSTED RUDDER CABLE TENSIONS IAW M/M CHAPTER 27-20-00 RIGGING INSTRUCTIONS... REPLACED BOTH UPPER MAIN GEAR ACTUATOR HOSES P/N 111417-4S-0100. PURGED GEAR ACTUATOR SYSTEM AND SERVICED HYDRAULIC RESERVOIR WITH MIL-H-5606A. NO LEAKS AT THIS TIME... REPLACED LEFT MAIN TIRE WITH P/N 606C86-6, TUBE P/N 092-500-0, AND BRAKE DISC WITH P/N 164-21600... ADJUSTED LEFT MAIN LANDING GEAR TRAVEL PER M/M 32-10-00... REPLACED LEFT AND RIGHT BRAKE SHIMS WITH 2 EA. P/N 068-01100... REPLACED NOSE WHEEL BEARINGS WITH 2 EA. OF P/N 08231-20629 AND P/N 08125-20629... PERFORMED NORMAL AND EMERGENCY LANDING GEAR OPERATIONS, NO ABNORMALITIES NOTED AT THIS TIME... LUBRICATED AND SERVICED AIRCRAFT IAW M/M CHAPTER 12 CHARTS AND INSTRUCTIONS... I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of this repair are on file at this repair station under Work Order No. 6444-08-2016 Dated

DATE: 12/19/2016

SIGNED

Dan Salzman
Certified Repair Station No. HPFR569X

Work Order: 6444-08-2016

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CONT'D
NEXT
PAGE

MAKE: PIPER
MODEL: PA-46-350P
S/N: 4636563
REG. NO: N321AG
WORK ORDER:
6518-02-2017

High Performance Aircraft, Inc.

Repair Station No. HPFR569X
1850 JOE CROSSON DRIVE
El Cajon, CA 92020
Phone: 858-576-5000

DATE: 2/28/2017
A/C TSN: 423
HOBBS: 423

Airframe Entries

COMPLIED WITH AD 2011-06-10, DATED MAY 6, 2011 (TO PREVENT IMPROPER ENGINE OPERATION CAUSED BY IMPROPERLY CALIBRATED T.I.T. INDICATORS OR DEFECTIVE T.I.T. PROBES, CONTD.) REPLACED TIT PROBE WITH P/N 686-216, NEXT DUE AT 673.0 TTAF

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of this repair are on file at this repair station under Work Order No. 6518-02-2017
Dated

DATE: 2/28/2017

SIGNED:

Dan Salzman
Certified Repair Station No. HPFR569X

Work Order: 6518-02-2017

Printed by EBis 3 (datcomedia.com)

MAKE: PIPER
MODEL: PA-46-350P
S/N: 4636563
REG. NO: N321AG
WORK ORDER:
6640-11-2017

High Performance Aircraft, Inc.

Repair Station No. HPFR569X
1850 JOE CROSSON DRIVE
El Cajon, CA 92020
Phone: 858-576-5000

DATE: 12/7/2017
A/C TSN: 507.8
HOBBS: 507.8

Airframe Entries

COMPLETED AN ANNUAL INSPECTION IN ACCORDANCE WITH FAR PART 43, APPENDIX D, USING CURRENT MALIBU MIRAGE PA46-350P MAINTENANCE MANUAL 5-20-00 CHECKLIST AS A GUIDE. ALL AD'S CHECKED THRU THIS DATE, SEE ATTACHED LIST.... LUBRICATED STAINLESS CONTROL CABLES AS INSTRUCTED IN M/M 12-20-00... COMPLIED WITH PIPER SB 1204 (RE-CALCULATION OF WING STRUCTURE LIFE LIMIT DUE TO UNIQUE USAGE) OWNER HAS STATED THAT AIRCRAFT HAS ONLY BEEN OPERATED WITHIN CATEGORY 1, NORMAL USAGE, IAW SB GUIDELINES. RECURRING COMPLIANCE DUE EACH YEAR OR 250 HOURS, WHICHEVER COMES FIRST... INSPECTED THE ELT SYSTEM AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d) ON THIS DATE. ELT BATTERY EXPIRES AUG 2019... COMPLIED WITH PIPER SB 1286A (AST VERTICAL FIN CRAP INSPECTION, COMPLETE PER SERVICE BULLETIN INSTRUCTION ALL HOLES MEASURED WITHIN TOLERANCE REPLACED BOLTS WITH EL P/N AN-7A AND 2 EA P/N AI 8-10A, REPLACED NUTS WITH 16 EA P/N S2-0-25 TORQUED ALL BOLTS PER SB INSTRUCTIONS AND APPLIED TORQUE SEAL...

CONTINUED ON NEXT PAGE →

*** CONTINUED FROM PREVIOUS PAGE ***

- REPLACED STANDBY ATTITUDE BATTERY S/N J14-10618 WITH NEW, P/N 9015607 S/N J17-10379 TESTS NORMAL AT THIS TIME... REMOVED, CLEANED, INSPECTED, AND REINSTALLED FUEL FILTER. PRESSURIZED FUEL SYSTEM AND NO LEAKS ARE PRESENT AT THIS TIME... COMPLIED WITH FIRE EXTINGUISHER INSPECTION AND WEIGHT CHECK. FOUND TO BE WITHIN SERVICEABLE LIMITS AT THIS TIME... PERFORMED CONCORDE BATTERY RECONDITIONING AND CAPACITY TEST, BATTERY CAPACITY IS WITHIN SERVICE LIMITS AT THIS TIME, RECHARGED AND REINSTALLED... REMOVED PROPELLER, REMOVED SLUDGE FROM PROP AND CRANKSHAFT, RE-INSTALLED WITH NEW O-RING P/N C3317-228, TORQUED AND SAFETIED, OPERATION IS NORMAL WITH NO LEAKS DURING ENGINE RUN... PERFORMED G-1000 INTEGRATED AVIONICS SYSTEM 500 HR INSPECTION (M/M 34-20-00) NO ABNORMALITIES NOTED... PERFORMED CABIN PRESSURIZATION OPERATIONAL CHECK, NO ABNORMALITIES NOTED AT THIS TIME... ADJUSTED FLAP TRAVEL PER M/M 27-50-00... REPLACED CABIN DOOR HANDLE GUIDE PIN WITH P/N 84858-003... REPAIRED SMALL CRACK IN WING SKIN STIFFENER ANGLE AFT OF RIGHT MAIN GEAR TRUNNION BY FABRICATING AND INSTALLING ANGLE DOUBLER IAW AC 43.13-1B SECTION 4-58... ADJUSTED AILERON TRAVELS IAW M/M CHAPTER 27... REPLACED RIGHT MAIN TIRE WITH NEW, P/N 606C86-6, S/N 72702303 AND TUBE P/N 092-500-0... REPLACED MLG UPPER TORQUE LINK BUSHINGS WITH 4 EA P/N 452-857... ADDED SHIMS P/N 83698-002, AS REQUIRED TO ADJUST FREE PLAY AT THE UPPER ATTACH POINTS ON LEFT AND RIGHT MAIN GEAR TRUNNIONS PER M/M 32-10-00... REPLACED BRAKE LININGS WITH 8 EA P/N 066-06200... REPLACED NOSE WHEEL BEARINGS WITH 2 EA P/N 08125-20629 AND 2 EA P/N 08231-20629, AND OUTER GREASE SEAL RING WITH P/N 153-01500... PERFORMED NORMAL AND EMERGENCY LANDING GEAR OPERATIONS, NO ABNORMALITIES NOTED AT THIS TIME... LUBRICATED AND SERVICED AIRCRAFT IAW M/M CHAPTER 12 CHARTS AND INSTRUCTIONS... I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of this repair are on file at this repair station under Work Order No. 6640-11-2017
Dated

DATE: 12/7/2017

SIGNED:

Dan Salzman
Certified Repair Station No. HPFR569X

Work Order: 6640-11-2017

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MAKE: PIPER
MODEL: PA-46-350P
S/N: 4636563
REG. NO: N321AG
WORK ORDER:
6717-05-2018

High Performance Aircraft, Inc.
Repair Station No. HPFR569X
1850 JOE CROSSON DRIVE
El Cajon, CA 92020
Phone: 858-576-5000

DATE: 5/3/2018
A/C TSN: 554.2
HOBBS: 554.2

Airframe Entries

REPLACED LEFT MAIN TIRE WITH P/N 606C86-6 AND TUBE P/N 092-500-0

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of this repair are on file at this repair station under Work Order No. 6717-05-2018
Dated

DATE: 5/3/2018

SIGNED:

Dan Salzman
Certified Repair Station No. HPFR569X

Work Order: 6717-05-2018

Printed by EBis 3 (datcomedia.com)

MAKE: PIPER
MODEL: PA-46-350P
S/N: 4636563
REG. NO: N321AG
WORK ORDER:
6766-09-2018

High Performance Aircraft, Inc.
Repair Station No. HPFR569X
1850 JOE CROSSON DRIVE
El Cajon, CA 92020
Phone: 858-576-5000

DATE: 9/1/2018
A/C TSN: 629.6
HOBBS: 629.6

Airframe Entries

REPLACED LEFT WING STROBE POWER SUPPLY ASSEMBLY P/N 01-0770168-01, S/N 03171, WITH S/N 03618, OPERATION IS NORMAL AT THIS TIME

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of this repair are on file at this repair station under Work Order No. 6766-09-2018
Dated

DATE: 9/1/2018

SIGNED:

Dan Salzman
Certified Repair Station No. HPFR569X

Work Order: 6766-09-2018

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Registration No. _____

MAKE: Piper
MODEL: Pa 46-350p
S/N: 4636563
REG. NO: N321AG
WORK ORDER:
4446-11-2018



Neal Aviation, LLC.
Repair Station No. NOER688Y
681 Kenney St
El Cajon, CA 92020
Phone: 619-663-1000

DATE: 11/27/2018
A/C TSN
HOBBS: 678.8

Airframe Entries

(1) I CERTIFY THAT THE ALTIMETER AUTOMATIC PRESSURE ALTITUDE REPORTING AND STATIC SYSTEMS TESTS AND INSPECTIONS REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH FAR PART 43, APPENDIX E.

ALTIMETER TESTED TO: 25,000
PILOT ALTIMETER S/N: IN AIRCRAFT
COPILOT ALTIMETER S/N: IN AIRCRAFT
STANDBY ALTIMETER S/N: IN AIRCRAFT

I CERTIFY THAT THE ATC TRANSPONDER TESTS AND INSPECTIONS REQUIRED BY FAR 91.413 (A) HAVE BEEN PERFORMED AND FOUND TO COMPLY WITH FAR PART 43, APPENDIX F.

TRANSPONDER #1 S/N: 89123722

MAINTENANCE RELEASE

THE AIRCRAFT AND/OR COMPONENT(S) ON N321AG WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FARs RULES OF THE FEDERAL AVIATION REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER Work Order NO. 4446-11-2018, DATED 11/27/2018

DATE: 11/27/2018

SIGNED:

Kim Nguyen

Work Order: 4446-11-2018

Printed by EBis 3 (datcomedia.com)

MAKE: PIPER
MODEL: PA-46-350P
S/N: 4636563
REG. NO: N321AG
WORK ORDER:
6803-11-2018

High Performance Aircraft, Inc.

Repair Station No. HPFR569X
1850 JOE CROSSON DRIVE
El Cajon, CA 92020
Phone: 858-576-5000

DATE: 12/4/2018
A/C TSN: 678.8
HOBBS: 678.8

Airframe Entries

PERFORMED AN ANNUAL INSPECTION IAW FAR PART 43, APPENDIX D, USING CURRENT PIPER PA46-500TP EVENT 1 AND 2 INSPECTION CHECKLISTS, MALIBU MERIDIAN MAINTENANCE MANUAL CHAPTER 5-20-00 AS A GUIDE. CHECKED AD'S FOR COMPLIANCE THRU THIS DATE. CHECKED SERVICE BULLETINS FOR COMPLIANCE.... COMPLIED WITH AD 2011-06-10, DATED MAY 6, 2011 (TO PREVENT IMPROPER ENGINE OPERATION CAUSED BY IMPROPERLY CALIBRATED T.I.T. INDICATORS OR DEFECTIVE T.I.T. PROBES, CONTD.) REPLACED TIT PROBE WITH P/N 686-216, NEXT DUE AT 928.8 TTAF... COMPLIED WITH AD 84-26-02, DATED 01/29/1985 (PAPER INDUCTION AIR FILTERS) REPLACED FILTER WITH NEW, P/N P15-1936... COMPLIED WITH SB 1048 (STAINLESS STEEL CABLE LUBE) BY APPLYING GREASE AS DIRECTED... COMPLIED WITH PIPER SB 1204 (RE-CALCULATION OF WING STRUCTURE LIFE LIMIT DUE TO UNIQUE USAGE) OWNER HAS STATED THAT AIRCRAFT HAS ONLY BEEN OPERATED WITHIN CATEGORY 1, NORMAL USAGE, IAW SB GUIDELINES. RECURRING COMPLIANCE DUE EACH YEAR OR 250 HOURS, WHICHEVER COMES FIRST... INSPECTED THE ELT SYSTEM AND FOUND THAT IT MEETS THE REQUIREMENTS OF FAR 91.207(d) ON THIS DATE. ELT BATTERY EXPIRES ON 8/31/2019.... COMPLIED WITH LYCOMING SB 521 BY MEASURING CROSSOVER SLIP JOINT ASSEMBLIES FOR MINIMUM ENGAGEMENT OF .75 INCHES, FOUND SUFFICIENT ENGAGEMENT, REASSEMBLED IAW SB 521 SERVICE INSTRUCTIONS.... COMPLIED WITH PIPER SB 1306 (WING RIB MODIFICATION) INSPECTED PER SB INSTRUCTIONS, NO CRACKS FOUND, INSTALLED REINFORCEMENT KIT P/N 88609-002 IN ACCORDANCE WITH ENCLOSED INSTRUCTIONS... COMPLIED WITH PIPER SB 1327 (AILERON CONTROL CABLE PROTECTION TUBE INSPECTION) FOUND CONTACT BETWEEN INSPECTION TOOL AND UPPER SURFACE OF THE HYDRAULIC BRAKE LINE SUPPORT BRACKET, INSTALLED AILERON CABLE GUARD RELOCATION KIT P/N 88630-701 IN ACCORDANCE WITH ENCLOSED INSTRUCTIONS, OPERATION IS NORMAL AT THIS TIME... REPLACED LOWER VACUUM PUMP P/N 442CW6 S/N OOCN01, WITH OVERHAUL P/N 442CW6 S/N 182033, OPERATION IS NORMAL AT THIS TIME... REPLACED CRACKED RIBLET ON LH SIDE IN AFT WHEEL WELL WITH NEW P/N 83294-002... REPLACED #1 GMU44 P/N 011-00870-00, S/N 47520951 WITH OVERHAUL S/N 47512063, CONFIGURED AND CALIBRATED PER M/M 34-25-01... REPLACED PROP HEAT SWITCH RELAY WITH NEW, P/N TCAS1D12-24, PROP HEAT OPERATES NORMALLY AT THIS TIME... REPLACED MAIN BATTERY P/N 601-919 (RG 24-17), S/N 40514044, WITH NEW, S/N 40944095... REMOVED, CLEANED, INSPECTED AND REINSTALLED FUEL FILTER, NO ABNORMALITIES NOTED AT THIS TIME... COMPLIED WITH FIRE EXTINGUISHER INSPECTION AND WEIGHT CHECK. FOUND TO BE WITHIN SERVICEABLE LIMITS AT THIS TIME... VISUALLY INSPECTED THE GFC 700 SYSTEM PER 22-10-00, GARMIN SERVOS INSPECTION, FOUND COMPONENTS ARE SECURE AND OPERATION IS NORMAL AT THIS TIME... ADJUSTED ELEVATOR TRIM CABLE TENSIONS IAW M/M CHAPTER 27 RIGGING INSTRUCTIONS... ADJUSTED RUDDER CABLE TENSIONS IAW M/M CHAPTER 27-10-00 RIGGING INSTRUCTIONS... ADJUSTED ELEVATOR TRIM CABLE TENSIONS IAW M/M CHAPTER 27 RIGGING INSTRUCTIONS... CONDUCTED SPEED BRAKE ANNUAL INSPECTION AND LUBE PER M/M 27-30-00 OPERATION IS NORMAL AT THIS TIME... PERFORMED BY ATTITUDE INDICATOR BATTERY DISCHARGE TEST (PER MID-CONTINENT MANUAL 9015762) BATTERY PASSED TEST, RECHARGED, STANDBY ATTITUDE INDICATOR OPERATES NORMALLY AT THIS TIME... ALTIMETER/TRANSPONDER TESTS DONE PER FAR 91.411 AND 91.413 BY NEAL AVIATION... PERFORMED 2-YEAR MAGNETIC COMPASS SWING AND CALIBRATED MAGNETOMETERS. PFD INDICATIONS ARE ACCURATE AT THIS TIME.

CONTINUED ON NEXT PAGE →

- CONTINUED FROM PREVIOUS PAGE -

INSTALLED NEW COMPASS CORRECTION CARD... DRAINED FUEL TANKS, INSPECTED FUEL TRANSMITTERS, ELEC. CONNECTORS, STRAINERS, FUEL TRANSMITTER FLOATS AND FUEL TANK SEALING MATERIAL. NO ABNORMALITIES NOTED AT THIS TIME, REINSTALLED ACCESS PANELS AND REFUELED, NO LEAKS DETECTED AFTER REFUELING... ADJUSTED YAW SERVO BRIDLE CABLE TENSIONS IAW M/M CHAPTER 27 RIGGING INSTRUCTIONS... ADJUSTED STALL WARNING SYSTEM IN FLIGHT PER M/M 27-30-00 OPERATION IS NORMAL AT THIS TIME... REPLACED OUTBOARD HOSE FROM HYDRAULIC POWER PACK WITH NEW P/N 111417-5S-0082... REPLACED LH BRAKE DISC P/N 164-21600 AND BRAKE LININGS 4 OF P/N 066-06200, REPLACED BROKEN SHIM P/N 068-01100, REPLACED RIGHT MAIN INBOARD WHEEL BEARING P/N 13836-20629 AND P/N 13889-20629 AND NOSE WHEEL OUTBOARD BEARING P/N 08125-20629 AND P/N 08231-20629, RESEALED LH BRAKE CALIPER WITH 2 EA. P/N MS28775-222, BLED BRAKES AND RESERVICED BRAKE RESERVOIR... PERFORMED NORMAL AND EMERGENCY LANDING GEAR OPERATIONS, NO ABNORMALITIES NOTED AT THIS TIME... LUBRICATED AND SERVICED AIRCRAFT IAW M/M CHAPTER 12 CHARTS AND INSTRUCTIONS... I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION

The aircraft and/or component(s) identified above was repaired and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. Pertinent details of this repair are on file at this repair station under Work Order No. 6803-11-2018
Dated

DATE: 12/4/2018

SIGNED:

Dan Salzman
Certified Repair Station No. HPFR569X

Work Order: 6803-11-2018

Printed by EBis 3 (datcomedia.com)

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N321AG

SN# 4636563

Date 8-9-2019

Installed new prop anti ice timer P/N 691-208 Ops Ck good

This aircraft was returned to service in regards to work performed.

David McCoy AP 3615278

ACTT:
Tach:
H.M.827.3

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N321AG

SN# 4636563


Date 11/6/2019

1. Replaced the RH main tire with a new tire PN# 072-317-0

2. Replaced the connector on the RH pitot tube PN# AN3115-1

This aircraft is approved for return to service in

regards to Work performed.


Bradley D Gray A&P 3135226

ACTT:

HRM: 867.3

Maintenance

Registration No. _____

and R

Certificate No.

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N321AG

SN#4636563

Date 1-15-2020

1. Lubed hinge & pivot points

2. Checked tensions & travels

3. Serviced brakes battery tires & power pack

4. Lubed wheel bearings

5. Swung gear normal & emergency

6. C/W FAR 91.207 d & installed new ELT battery P/N 455-0012 battery due 2-2027

7. C/W 12mo. fire extinguisher weight check

8. Installed new tail beacon LED light P/N 479-010

9. Installed 4 new RH brake pads P/N 066-6200

10. C/W 12mo. NLG emergency down spring replacement P/N 687-913

11. Installed new NLG tire P/N 070-312-0

12. C/W AD 11-06-10 by installing new TIT probe P/N 686-216 next due ACTT 1157.2

13. Cap check main battery to 89%

14. All routine maintenance C/W

I certify that this aircraft has been inspected in accordance with an annual inspection

In accordance with part FAR 43 appendix D and was determined to be in airworthy condition.

This aircraft is approved for return to service in

regards to Work performed.


David McCoy AP 3615278 IA

ACTT:907.2

HRM:907.2

Tach:

Total To
Car

CRYSTAL AVIONICS LLC

1746 Entrance Dr.
New Braunfels, Texas 78130
(830) 626-3838
FAA Repair Station YVCR493Y

AIRCRAFT LOG

N: 321AGDate: 5-12-2020

FAR 91.413

Maintenance

Details of this inspection are filed under Repair Station Work Order No: 4276Automatic Pressure Reporting System Tested To: 30,000No. 1 Transponder: Model: GTx335R SN 3EF023217 Tested On: 5-12-2020No. 2 Transponder: Model: N/A SN N/A Tested On: N/A

I certify that the ATC Transponder reporting equipment and inspections required by FAR 91.413 have been performed in accordance with FAR 43, Appendix F. I found these systems to be in Airworthy condition and approve these systems for return to service.

Date: 5-12-2020Signature: [Signature]

FAA CERTIFIED REPAIR STATION YVCR493Y

Form# CA-09 - V2.0 - 1/15/09

1. Total To
Carry Forward

Registration No. _____

CRYSTAL AVIONICS, LLC

1746 Entrance Drive

New Braunfels, TX 78130-2742

FAA CERTIFICATED REPAIR STATION YVCR493Y

Registration	N321AG		Hobbs	
Model No.	PA46-350P		Tach	
Serial No.	4636563		Work Order No.	4276

REMOVED GARMIN GTX33 TRANSPONDER.

INSTALLED GARMIN GTX 335R FOR G1000 TRANSPONDER S/N 3EF023217 LAW GARMIN GTX 335R PART 23 AML INSTALL MANUAL No. 190-00734-10 REV 14 DATED DECEMBER 31, 2019 AND AML STC SA01714W1.

The aircraft/component identified above was maintained or altered in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work performed. All disrupted systems were restored and functionally tested in accordance with manufacturer's instructions. Pertinent details of this repair are on file at this repair station under the referenced Work Order Number: 4276

Date: 5-12-2020

Authorized Signature: [Signature]

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N321AG

SN# 3636563

Date 10-14-2020

ACTT: Tach: 1037.2

1. Removed and replaced LH main tire PN# 072-317-0

2. Removed and replaced all 4 brake pads on the LH side PN# 066-06200

3. Resealed missing spots of sealer around the windshield.

This aircraft is approved for return to service in

regards to Work performed.

[Signature]
Bradley D Gray A&P 3135226

AIRCRAFT LOG

B&G Aviation LLC

Georgetown Texas 78628 ph 512-864-7632

N321AG

SN# 4636563

Date 2/9/2021

ACTT: 1071.5

HRM: 1071.5

Tach:

1. Complied with FAR 91.207 d elt inspection. **Battery due 2-2027**
2. A.D. 2011-06-10 ITT probe is due at ACTT: 1157.2
3. A. D. 84-26-02 paper air filter replacement is due at ACTT: 1178.2
4. Adjusted the nose gear steering roller clearance
5. **Complied with 12 month nose gear emergence down spring replacement installed PN# 687-931**
6. **Complied with 12 month battery cap check battery is at 88%**
7. Replaced the RH brake disk and all the brake pads
8. Cleaned and lubed the wheel bearings
9. Checked all flight control travels and cable tensions
10. Accomplished several gear retraction and extension test along with an emergency extension.
11. Serviced all the tires to the correct pressure.
12. Complied with all routine maintenance

I certify that this aircraft has been inspected in accordance with an **annual** inspection
In accordance with FAR part 43 appendix d and was determined to be in airworthy condition.
This aircraft is approved for return to service in
regards to Work performed.

Bradley D. Gray A&P 31352261A

nce

Registration No. _____

and Remarks

Signature

Certificate No.



ACS Avionics LLC

510 S. Hangar Drive
Georgetown, TX 78628
512-352-6525 www.acsatx.com
CRS # WCHR539X

Work Order: C4443
Registration #: N321AG
Model: PA 46-350P
Serial Number: 4636563
Hobbs/TT: 1089.4

1. FAR 43 91.411 Certification Due

I certify that the altimeter system and altitude reporting equipment has been tested as required by 14 CFR PART 91.411 and was found to comply with PART 43 Appendix E.

Tested

Air Data Computer

P/N: GDC 74

Tested

Altimeter

P/N: 602-704

Tested to 35k Feet

Tested to 35k Feet

2. FAR 43 91.413 Certification Due

I certify that the ATC Transponder(s) has been tested as required by 14 CFR PART 91.413 and was found to comply with PART 43 Appendix F.

Tested

GTX 335R Transponder

P/N: GTX 335R

Mode S

Maintenance Release: The aircraft or appliance(s) described above was tested and inspected in accordance with current Federal Aviation Regulations, found to be airworthy and approved for return to service with respect to work accomplished. A detailed record of this maintenance is maintained referencing Work Order: C4443.

Inspector's Signature:

FAA CRS # WCHR539X

Date: May 05, 2021

MAKE: Piper
MODEL: PA46-350P
S/N: 4836563
REG. NO: 321AG
WORK ORDER:
9347-04-2021



Premier Aircraft Service, Inc.
5540 NW 23rd Avenue Hanger 14
Fort Lauderdale, FL 33309
Phone: (954) 334-2393

DATE: 6/10/2021
A/C TSN: 1093.8
HOBBS: 1093.8

Airframe Entries

(2) PERFORMED PRE BUY EVALUATION AND PROVIDED CUSTOMER WITH LIST OF DISCREPANCIES. ENG CYLINDER COMPRESSIONS: 74-76-70-76-78-77/80. REMOVED AND INSPECTED OIL FILTER ELEMENT FOR METAL, NO DEFECTS FOUND. INSTALLED NEW OIL FILTER CH48103-1 AND SERVICED ENG WITH 12 QTS OF PHILLIPS 20W50 X/C OIL. WORK PERFORMED IAW PIPER PA-46-350P MM.
(8) C/W 2 YR MAGNETOMETER CALIBRATION IAW PA46-350P MM CH 34-25.
(9) C/W 5 YR ATTACH FITTINGS, PUSH RODS, CORROSION CONTROL INSP. NO DEFECTS FOUND AT THIS TIME.
(13) C/W 1000 HR FLAP ROLLER AND AILERON HINGE BOLT INSP. NO DEFECTS FOUND AT THIS TIME.
(14) C/W 1000 HR FLAP TRACK SPECIAL INSP. NO DEFECTS FOUND AT THIS TIME.
(15) C/W PIPER SB 1338 MLG ACTUATOR ATTACH FITTING INSP. NO DEFECTS FOUND AT THIS TIME.
(16) C/W PIPER SB 1290B FLAP BRACKET INSP PER PART I. NO MOVEMENT ON RIVETS AT THIS TIME. DUE EA 100 HRS.
(20) REPLACED RH WING O/B FUEL QUANTITY SENDER P/N 9001-4 S/N 0038. REPLACED RH WING I/B FUEL QUANTITY SENDER P/N 9001-3 S/N 0036. REPLACED LH WING O/B FUEL QUANTITY SENDER P/N 9001-2 S/N 0066. REPLACED LH WING I/B FUEL QUANTITY SENDER P/N 9001-1 S/N 0078. CALIBRATED FUEL QTY SYSTEM. WORK DONE IAW PA46-350P MM CH 28-10-00, CH 28-40-00.
(22) ADJUSTED FLAP LIMIT SWITCHES IAW PA46-350P MM CH 27-50. FLAP SYSTEM OPS CHECKED GOOD.
(38) RESEALED ALL CABIN WINDOWS EXTERIOR EDGES AS REQUIRED.
(39) TOUCHED UP ALL DE-ICE BOOTS WITH EDGE SEALANT AS REQUIRED.
(40) REPLACED ALTERNATOR #1 ATTACH NUT WITH NEW P/N STD-872 AND TENSIONED ALTERNATOR 1 AND ALTERNATOR 2 BELTS IAW PIPER PA-46-350P MM CH 24-30.
(41) RE SAFETIED NLG EMERGENCY DOWN SPRING ROD END ATTACH BOLT IAW AC43.13-1B CH 7.
(43) ADJUSTED NOSE STEERING HORN TO REDUCE ROLLER GAP IAW PA46-350P MM CH 27-20-00.

2 of 2

DATE: 6/10/2021

SIGNED:

Work Order: 9347-04-2021

Dennis Allard, A&P: 3808264

Printed by EBIS 3 (datamedia.com)

Total 1
Carry

Registration No. _____

08/09/2021
Tach: 1110

Lawrence Airmotive LLC
603-479-2067

LWMAirmotive@outlook.com

Jacked aircraft and swung gear. Greased nose tire



Lawrence Municipal Airport
492 Sutton St.
N. Andover, MA 01845
brake spring.

N321AG

Michael Moschetto AP4217960

07/22/2021

Removed and replaced GMU44 s/n 47520953 with exchange GMU44 s/n 47518683 and reloaded software per G1000 MM. Ops checked good. Completed all post installation checks as per Install Manual, all checks good. Performed compass swing and calibration of both GMU44s per Install Manual. All checks good. Secured aircraft for flight. This aircraft and/or components, have been inspected, and for the scope of work performed, is approved for return to service.

Inspected by,

Robert Griffin

Ref. W.O. #68558

Aircraft Reg. No. N321AG

for, Griffin Avionics, Inc.

Hyannis, Ma. 02601

FAA CRS# GN1R172K



02/04/2022
Tach: 1131
AC/PropTT: 1131

Lawrence Airmotive LLC
603-479-2067
LWMAirmotive@outlook.com



Lawrence Municipal Airport
492 Sutton St.
N. Andover, MA 01845

N321AG
ETT: 1131

Complied with an annual inspection in accordance with FAR 43 appendix D.
All airworthiness directives reviewed through biweekly 2022-03 and none due at this time.
ELT inspected and operational checked in accordance with FAR91.207D Next battery change due 02/2027.
Replaced X turn cowl fasteners as required.
Resealed right side windshield.
Cleaned battery, battery box, and connections. Battery was serviced, recharged to capacity, and tested OK.
Complied with annual airframe, engine, flight controls, and landing gear lubrication.
I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Nickolas Flammia AP33395111A

Staraero Partners Group
75"B" Academy Drive, Hammonton, NJ 08037
(609)-567-5300

Airframe

Date: 6-10-2022 N321AG Hobbs: 1182.6 AFTT: 1182.6

I.A.W. Piper PA-46-350P service instructions, Piper checklists and maintenance instructions. Changed oil and oil filter. Added Aeroshell 15-50W oil to bring level to 11 quarts. Installed a Tempest 48103-2 oil filter after removing the used filter to cut open and check for contaminants, none found. Ran engine and checked for oil leaks, none found. Completed 60 hour visual exhaust inspection. No blistering or cracks noted. V-band clamps were re-torqued, ok at this time. Lubed waste gate with mouse milk. This aircraft has been determined to be in air-worthy condition at this time and returned to service.

Total To
Carry Forward

Daniel Armand A&P 2729054 I.A.

Registration No. _____

and

Date: 7/06/2022; Aircraft: N321AG; Type: PA-46-350P; S/N: 4636563; Hobbs: 1183.30

1. Complied with AD 84-26-02 Amendment 39-4966 effective 1/29/1985. Replaced air filter with FAA approved air filter Donaldson p/n P15-1936. Next replacement is due at 1683.3 hours or on condition.

2. Complied with AD 2015-19-07 Amendment: 39-18269 dated 11/03/2015 inspection of fuel injector fuel lines and support clamps per Lycoming Mandatory Service Bulletin 342G dated July 16, 2013, Lycoming Mandatory Service Bulletin 342G Supplement 1 dated August 29, 2013 and Lycoming Mandatory Service Bulletin 342G Supplement 2 dated January 23, 2014. No defects noted. Next inspection is due within 110 hours at Hobbs 1293.3 and engine overhaul and whenever any fuel lines support clamps are disconnected, moved, or loosened. During inspection identified deteriorated fuel line clamp on cylinder #6 fuel line. Replaced clamp p/n LW16266-10-13.


3. Complied with AD 2011-06-10 amendment 39-16635 effective 5/6/2011. Replacement of TIT probe IAW paragraph (G) Action (3). Installed new probe p/n 686-216. Next due in 250 hours at 1433.3 hours. Ops checked good.

4. Removed attitude gyro from aircraft p/n 4300-411 s/n F12-10718. Removed battery p/n 9015607 s/n J17-10379 MFG date: 9/17. Installed battery p/n 9015607 s/n C22-10766 MFG date: 2/22. Reinstalled attitude gyro p/n 4300-411 s/n F12-10718. Ops checked good.

Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615

Certificate No. _____

AIRCRAFT LOG

D-	Aircraft Time	Recorder	Maintenance
<p>This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service.</p>			
<p>Shop Order MA-22-5636.</p>			
<p> Benjamin M. Evans A&P 4363005</p>		<p><u>06 JUL 2022</u> Date</p>	
<p>Total 1 Carry</p>			

Registration No. _____

and R	Date: 8/25/2022; Aircraft: N321AG; Type: PA-46-350P; S/N: 4636563; Hobbs: 1227.60; Total Time: 1227.60	Certificate No.
1.	Adjusted alternate air control rigging for positive closure. Safetied hardware. Ops checked good.	
2.	Installed Aviation Safety Products Inc. rewbedded pilots seat belt assembly p/n 5-01-1P0768 IAW AMM Sec.25-10-00. Reinstalled interior panels removed for access. Ref. Aviation Safety Products w/o No. 22830-1.	
3.	Removed nose gear oleo strut from housing. Cleaned and installed new o-rings p/n MS28775-229 and MS28775-327. Installed new wiper ring p/n 187-630. Reassembled and reinstalled IAW AMM Sec. 32-20-00. Serviced IAW Sec.12-10-00. No leaks noted.	
4.	Installed new p/n CA67026-007 bushings with new p/n 691-315 bolt for left torque link lower attach point. Installed new p/n 453-721 bushings and new p/n 691-308 bolt for center attach point. Installed new p/n 452-857 bushings with new p/n 691-315 bolt for right torque link upper attach point.	
5.	Installed new left tire Michelin Air 600-6 8 ply p/n 070-317-0 s/n 1313T00289 and new tube p/n 092-500-0. Torqued wheel hardware to 150 in. lb.Inflated to 55 PSI and reinstalled wheel.	
6.	Disassembled nose gear torque links and inspected. Reamed lower bushings for fit and reassembled. Installed new p/ 691-315 bolt in upper position.	

AIRCRAFT LOG

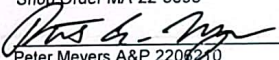
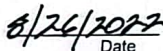
Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service.
Shop Order MA-22-5638.

Michael T. Gavaghan 8/25/2022
Michael T. Gavaghan A&P 3473342 IA Date

Total To Carry Forward

Registration No. _____

and Remarks	Signature	Certificate No.
<p>Date: 8/26/2022; Aircraft: N321AG; Type: PA-46-350P; S/N: 4636563; Hobbs: 1189.60</p> <p>1. Left brake disc is below minimum dimensions. Removed wheel. Installed new disc p/n 164-21600. Torqued wheel hardware to 150 in / lbs. Serviced tire with air per Piper Service Letter 1285A Table 1 (58 psi unloaded). Installed new brake linings p/n 066-06200. Reinstalled wheel and safetied axle nut.</p> <p>2. Replaced right brake linings. Installed new brake linings p/n 066-06200 and new insulating shim p/n 068-01100.</p> <p>Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615 This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-22-5698</p> <p> Peter Meyers A&P 2206210</p> <p> Date</p>		



FAA Certified Repair Station # OF1R372K

P.O. Box 1245

Phone 732-797-1077

Toms River, NJ 08754

Reg. Number: N321AG

Make: Piper

Model: PA46-350P

Serial # 4636563

**Installed new Michelin 600x6x6ply nose tire and tube. Inflated nose strut to spec.
All work performed as per PA46-350P maintenance manual.**

**THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, OR APPLIANCE IDENTIFIED
ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT
REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR
RETURN TO SERVICE AND IS AIRWORTHY WITH RESPECT TO THE WORK PERFORMED.
PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER
WORK ORDER**

NO. 23-6802

DATE 1/11/2023

SIGNED

CRS-OF1R372K, OCEANAIRE, TOMS RIVER, NJ

AIRCRAFT LOG

Date	Aircraft Time	Recorder	Maintenance
	This Date	Total	
		Reading	
	Date: 3/24/2023; Aircraft: N321AG; Type: PA-46-350P; S/N: 4636563; Hobbs: 1280.80; Total Time: 1280.80		
	I certify that this aircraft has been inspected in accordance with an ANNUAL INSPECTION and current FAA Regulations and was determined to be in an airworthy condition. Time in service since last annual inspection 149.8 hours. Pertinent details are on file at this facility under Shop Order # MA-23-5860.		
	1. Removed engine induction air filter. Tapped out loose dirt and debris. Inspected filter and reinstalled.		
	2. Lubed all exterior flight control hinges and rod-ends.		
	3. Visually inspected main fuel filter, cleaned, reinstalled bowl and safetied. No leaks noted.		
	4. Installed 2 new p/n ARB3-5-1 vacuum regulator filter.		
	5. Serviced tires with air: N = 50 psi; M = 55 psi. Serviced brake reservoir.		
	6. Inspected and weighed portable fire extinguisher m/n A344 / 10633 s/n B-10804691 Weight = 2 lbs. 5.2 oz.		
	7. Inspected and ops tested ELT m/n ME406 s/n 197-12816 per FAR 91.207(d). Battery replacement is due 2/2027. Reinstalled ELT in aircraft and armed. Ops checked good.		
	8. Landing gear cleaned and lubed.		
Total To Carry Forward			

Registration No. _____

and Remarks	Signature	Certificate No.
9. Cleaned and visually inspected all wheel bearings. Repacked all wheel bearings with grease.		
10. Jacked aircraft and performed landing gear operation check - normal and emergency. Ops checked good.		
11. All lights, pitot heat, and stall warning ops checked good.		
12. Wing access inspection panels have 3 stripped screws. Removed 3 screws with stripped heads on access panel in wings.		
13. Removed broken pilot Sunvisor and installed new p/n 104342-002 sunvisor with original hardware.		
14. Performed static wick check IAW Piper MM Section 23-60-00. All static wicks checked good.		
15. Inspected speed brakes IAW Piper MM Section 27-60-00. Removed right speed brake s/n 986417, Visually inspected and lubricated with Aeroshell 22. Removed left pitot tube. Remove left speed brake s/n 986418. Visually inspected and lubricated with Aeroshell 22. Reinstalled speed brakes with Loctite 242 on screws. Reinstalled left pitot tube. Left pitot tube heat ops checked good. Speed brakes ops checked good.		
16. Removed cabin emergency exit hatch for inspection. Cleaned and inspected emergency exit hatch seal. No defects noted. Lubed seal with DC-4. Rebonded Loose Velcro for interior cover with 847 adhesive. Reinstalled window and secured.		
17. ELT connector attach screws nuts on ELT found rusty. Treated screws and nuts with		

AIRCRAFT LOG

Date	Aircraft Time	Recorder	Maintenance
	Corrosion - X.		
	18. Complied with Piper Service Letter 1131A dated 2/11/2019 aileron sector bearing requirements by applying 7870 to both needle bearing and PTFE dry lubricant to both self aligning bearings.		
	19. Installed new lamp p/n GE327 in the right landing gear down indicator. Ops checked good.		
	20. Nose wheel bearings are water damaged. Installed new p/n 08125 bearings and p/n 08231 races.		
	21. Reinstalled G1000 range knob. Found retaining ring from old knob still on shaft. Removed and secured knob. Ops checked good.		
	22. Removed loose sealant on pilot side windshield and left side window. Resealed top area of windshield with grey RTV and side window with black RTV.		
	23. Wing flaps anti chafe tape is separating in a few places. Removed tape in areas of separation and cleaned surfaces. Installed new p/n 380-066 anti chafe tape as required.		
	24. Removed loose paint from inside surface of engine cowling nose bugs.		
	25. Installed new lamps p/n GE85 in the right magneto switch top position, the strobe light switch top position, day / night light switch bottom position, avionics bus bottom position and cabin pressure bottom position. Removed switch panel. Removed screws from switch guards for right mag switch and cabin press switches. Replaced bulbs and reinstalled guard screws. Reinstalled panel. Lights ops checked good.		
Total To Carry Forward			

Registration No. _____

and Remarks	Signature	Certificate No.
26. Cabin door seal previous repairs eroding. Removed excess old sealant from two areas on the forward side of cabin door seal. Re sealed with gray RTV sealant.		
27. AD 2011-06-10 dated 5/6/2011 replacement of turbine inlet temperature TIT probe. Replacement last complied with on 7/6/2022 at aircraft Total Time 1183.3. Next replacement due at Aircraft Total Time 1433.3. 152.5 hours till due.		
28. AD 84-26-02 dated 1/29/1985 engine induction air filter replacement was last complied with on 7/6/2022 at aircraft total time 1183.3. Next replacement due and aircraft total 1683.3. 402.5 hours till next due.		
29. Complied with Piper Service Letter #1183 dated 10/21/2014 elevator plate assembly rivet inspection. No defects noted. Next inspection due in 100 hours at aircraft total time 1380.8.		
30. Complied with Piper Service Letter #1286D dated 10/15/2021 Nose landing gear steering components inspection and adjustment. Inspected nose gear rake angle. Checked good at 90.5. Clearance between nose landing gear steering arm and horn rollers checked good per paragraph 3.		
31. Complied with Piper Service Bulletin #1048 dated 1/3/2001 inspection lubrication of stainless steel control cables. No defects noted. Lubed cable. Next inspection 100 hour 1380.8 Aircraft total time.		
32. Complied with Piper Service Bulletin #1204 dated 12/18/2009, recalculation of wing structure life limit due to unique usage. Aircraft is operated with in category 1 normal usage. Next due in 100 hours.		

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
				33. Checked alternator idler pulley for wear. Loosened alternator #2 idler pulley. Inspected pulley bearing for wear. Checked good. Retightened belt.
				32. Stop drilled small crack in radius of engine baffle forward and outboard of cylinder #1.
				33. Installed new grommets p/n MS35489-6 in engine baffle support at cylinder #2 and #3.
				34. Removed upper deice solenoid valve assembly. Disassembled, cleaned poppet's, and inside surfaces of valve. Reassembled and installed IAW Piper MM Section 30-10-00 and Piper Service Bulletin # 803A dated 3/21/1986.
				35. Installed new grommet p/n MS35489-14 around #2 alternator wires through cylinder baffle.
				36. Tightened clamp on heat shield on engine cylinder #6 intake tube.
				37. Installed screws and washers in aft attach flange of the right cylinder baffle aft of intercooler.
				38. Complied with Piper Maintenance Manual Chapter 5 Section 5-30-00 inspection of attach fittings and push rods and reapplication of Dinitrol AV8 corrosion inhibiting compound.
				39. Cleaned both inboard fuel caps. Lubricated seals with DC4. Removed dirt from both outboard cap seals and lubricated with DC4.
				40. Ops checked left and right fuel tank vent systems with air. Ops checked good.
				41. Installed new tywrap connecting wire harness to tyblock between 1st and 2nd inspection
Total To Carry Forward				

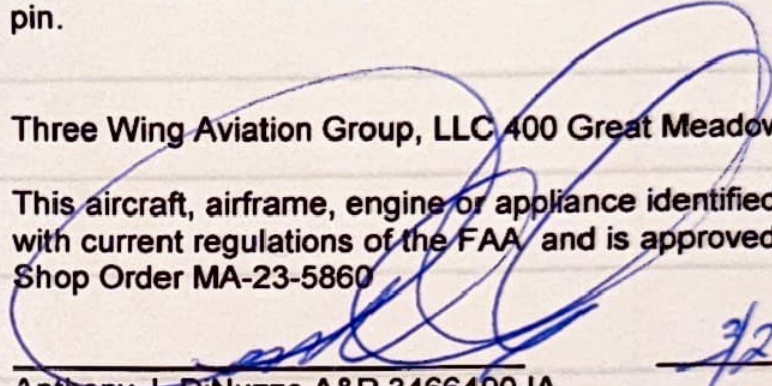
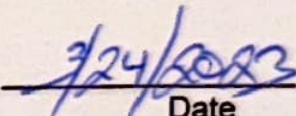
Registration No. _____

and Remarks	Signature	Certificate No.
panels outboard of left landing gear door.		
42. Removed battery p/n RG24-17 s/n 41039028. Installed new battery p/n RG24-17 s/n 4115003. Ops checked good.		
43. Right pitot mast pulled off hose B nut. Reinstalled right pitot tube. Reconnected tube and tightened B nut. Reinstalled panel.		
44. Checked aileron control cable tension. Aileron cable tension checked low at 14 lbs. Adjusted cable tension to 35 lbs. It should be 30 lbs +/- 5 lbs. Resafetied turnbuckle with 2 new safety clips p/n MS21256-1.		
45. Checked elevator cable tensions. Elevator cable tension checks good at 30 lbs. Tension limits are 30 lbs +/- 5 lbs.		
46. Checked elevator trim cable tension. Elevator trim cable checked low at 7 lbs. Adjusted elevator trim cable to 11 lbs. Tension limits are 12 lbs +/- 2 lbs. Resafetied turnbuckle with 2 new safety clips p/n MS21256-1.		
47. Checked rudder cable tension. Rudder cable tension checked low at 30 lbs. Adjusted rudder cable tension to 38 lbs. Limits are 40 lbs +/- 5 lbs. Resafetied turnbuckle with 2 new safety clips p/n MS21256-1.		
48. Nose landing gear extension assist spring is rusted. Lubricated spring with AV-8.		
49. Lubed fuselage cable seals with Mil-G-21164D grease.		


AIRCRAFT LOG

Date	Aircraft Time	Recorder	Maintenance
	50. Tightened hold open strut attach hardware on the cabin top entrance door.		
	51. In cockpit throttle control cable dust boot is pushed off end of cable housing. Reset dust boot on throttle control cable in the cockpit.		
	52. Behind instrument panel unused air blast hose is not secured. Secured air blast tube from chaffing with tywrap.		
	53. No record of top vacuum pump replacement. Removed top vacuum pump m/n AA441CC-17 (Tempest) s/n 984601. Installed overhauled (Tempest) top vacuum pump m/n AA441CC-17 s/n 126603 with new gasket provided and diverter. Installed pump with original hardware, washers, and new lock washers. Installed fittings removed from old pump. Reconnected hoses and tightened clamps. Reinstalled air blast tube with original screws and new lock washers.		
	54. Screws seized in five nut plates in cabin floor. Chased nutplates with a tap.		
	55. Floor panel forward of right center seat rear of spar has a broken nut plate. Installed new nut plate p/n MS21059L-3 using 2 blind rivets p/n CCR264CS-3-03.		
	56. Large cabin floor carpet and copilots floor carpet Velcro is disbonded. Rebonded Velcro with 3M 847 adhesive on carpets		
	57. One nut plate nut fell out in the left cowling bug center aft edge. Removed broken nut plate. Drilled off rivets and installed new nut plate p/n MS210591-3 with 2 rivets p/n CCR265CS3-3.		
	58. Removed backup attitude gyro from aircraft p/n 4300-411 s/n F12-10718 for battery capacity test. Battery p/n 901507 s/n B22-10766. Battery failed capacity test 3 times. Removed battery		
Total To Carry Forw			

Registration No. _____

and Remarks	Signature	Certificate No.
p/n 9015607 s/n B22-10766. Installed new battery Mid-Continent p/n 9015607 s/n G22-11647. Reinstalled attitude gyro with original hardware. Reconnected connector in back of instrument. Ops checked good.		
59. Installed new cotter pin on Pilots left rudder pedal for the brake cylinder lower attach clevis pin.		
Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615		
This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service. Shop Order MA-23-5860		
 Anthony J. DiNuzzo A&P 3466490 IA	 Date	

AIRCRAFT LOG

Date	Aircraft Time	Recorder	Maintenance
This Date	Total	Reading	
Date: 5/11/2023; Aircraft: N321AG; Type: PA-46-350P; S/N: 4636563; Hobbs: 1306.80			
Complied with FAR's 91.411/413 Tests			
Removed mechanical altimeter United 5934PAD-3A.668 SN: 497478 and tested to 35,000 feet per FAR 43 App E. Tested good and reinstalled.			
Tested #1 GDC-74A PN: 011-00882-10 SN: 20613417 to 35,000 feet per FAR 43 App E and per Piper PA-46-350P MM 34-25-01. Tested good.			
Tested #2 GDC-74A PN: 011-00882-10 SN: 20613423 to 35,000 feet per FAR 43 App E and per Piper PA-46-350P MM 34-25-01. Tested good.			
Tested transponder Garmin GTX-335R PN: 011-03303-00 SN: 3EF023217 (SW Ver 2.54) per FAR 43 App F. Transponder tested good.			
Tested Mode C per FAR 43 App E Para C from both ADC's. Tested good.			
Tested pilots static system per FAR 43 App E and per Piper PA-46-350P MM 34-10-00. Tested good.			
Tested copilots static system per FAR 43 App E and per Piper PA-46-350P MM 34-10-00. Test failed. Isolated leak to both static ports nylon elbow fittings were loose. Removed fittings and resealed. Reinstalled and retested system. System now tested good per FAR 43 App E and per Piper PA-46-350P MM 34-10-00.			
Tested pilot Pitot system per Piper PA-46-350P MM 34-10-00. Tested good.			
Total To Carry Forward			

Registration No. _____

Certificate No. _____


Tested copilot Pitot system per Piper PA-46-350P MM 34-10-00. Tested good.

Pilot and copilot pitot heat ops checked good.

Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, or appliance identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service only for the work performed. Repair Station No. SL5R201N.

Work Order AV-23-2994

 Date 5/11/2023

AIRCRAFT LOG

Date: 5/12/2023; Aircraft: N321AG; Type: PA-46-350P; S/N: 4636563; Hobbs: 1306.80

Maintenance

1. CHT probe for cylinder #1 intermittent. Cut open shrink tubing on the terminals for the #1 CHT Probe. Found CHT probe spade connector terminal loose. Probe ohms out normal. Cleaned connectors with Deoxit and brass brush. Tightened terminal. Reconnected and secured wires. All CHT's ops checked good on engine runup.

2. Customer reported alternator # 2 had failed a few times in flight. Removed alternator #2 Hartzell m/n ALU-8521LS s/n H-N841445. Removed alternator brush assembly and inspected. Brushes are well worn. 1 brush was hung up.

Installed new alternator #2, Hartzell Engine Technologies p/n ALU-6539-3 s/n H-X011645. Fabricated ground strap from terminal F2 to ground and installed. Reconnected all wiring. Reinstalled engine baffles removed for access. Reinstalled engine cowls. Ran engine and ops checked charging system. Both alternators ops checked good.

Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615

This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service.
Shop Order MA-23-5914

Peter E. Meyers
Peter Meyers A&P 2206210

5/12/2023
Date

Total To
Carry Forward

Date: 3/22/2024; Aircraft: N321AG; Type: PA-46-350P; S/N: 4636563; Hobbs: 1368.20; Total Time: 1368.20

I certify that this aircraft has been inspected in accordance with an ANNUAL INSPECTION and current FAA Regulations and was determined to be in an airworthy condition. Time in service since last annual inspection 87.4 hours. Pertinent details are on file at this facility under Shop Order # MA-24-6168

1. Lubed all exterior flight control hinges and rod-ends.
2. Visually inspected main fuel filter, cleaned, reinstalled bowl and safetied. No leaks noted.
3. Installed 2 new p/n ARB3-5-1 vacuum regulator filters.
4. Serviced tires with air: N = 50 psi; M = 55 psi. Serviced brake reservoir.
5. Inspected and weighed portable fire extinguisher m/n A344 s/n B-10804691 Weight = 2 lbs. 4.9 oz.
6. Inspected and ops tested ELT m/n ME406 p/n 453-6603 s/n 197-12816 per FAR 91.207(d). Battery replacement is due 2/2027. Reinstalled ELT in aircraft and armed. Ops checked good.
7. Landing gear cleaned and lubed.
8. Cleaned and visually inspected all wheel bearings. Repacked all wheel bearings with grease.
9. Jacked aircraft and performed landing gear operation check - normal and emergency. Complied with Landing gear retraction system functional test IAW Piper PA-46-350P AMM Chapter 22-30-00. No defects noted.
10. All lights, pitot heat, and stall warning ops checked good.
11. Complied with static wick test IAW Piper AMM Chapter 23-60-00. No defects noted. Static wicks were removed for safe keeping. Reinstalled all static wicks.

Certificate No.

	12. Removed, inspected, and lubed both speed brakes with Aeroshell 22 IAW Piper PA-46-350P AMM Chapter 23-60-00. Right speed brake Precise Flight PFI p/n 010S0059-53 s/n 986414, Left speed brake Precise Flight PFI p/n 010S0059-54 s/n 986418. Reinstalled right and left speed brakes. Ops checked good.
Date	13. Removed cabin emergency exit for inspection. Windows were inspected and cleaned. Lubed seal with DC4 and reinstalled.
	14. Complied with Piper Service Letter 1131A dated 2/11/2019 aileron sector bearing lubrication by lubricating both aileron needle bearings with MIL-PRF-7870 and both aileron self-aligning bearing with PTFE dry lubricant.
	15. AD 2011-06-10 dated 5/6/2011 replacement of turbine inlet temperature TIT probe last complied with on 7/6/2022 at ACTT 1183.5. Next due at ACTT 1433.8, 65.6 hours till due.
	16. AD 84-26-02 dated 1/29/1985 engine induction air filter replacement was last complied with on 7/6/2022 at ACTT 1183.5. Next due ACTT 1683.5. 315.3 hours till due.
	17. Complied with Piper Service Letter 1286D dated 10/15/2021 nose landing gear steering components inspection and adjustment. Rake angle measured good at 90.5Limits are 90+ 0.5/ 0.0 Nose gear rollers clearance checked good at .010"
	18. Complied with Piper Service Bulletin 1048 dated 1/3/2021 stainless steel control cables. No defects noted.
	19. Complied with Piper Service Bulletin 1204 dated 12/18/2009 recalculation of wing structure life limit due to unique usage. This aircraft is operated with in Category 1 normal usage. Next due in 1 calender year or 250 hours 1933.5 ACTT.
	20. Removed aircraft battery Concorde p/n RG24-17 s/n 41165003 for capacity check. Top charged battery and capacity tested using BC-7000 tester. Battery passed at 112.0%. Recharged and reinstalled.
Total To Carry Forward	21. Removed Mid Continent avionics lifesaver indicator p/n 4300-411 s/n F12-10718 Mods 1,2,3,4 (Mid Continent battery p/n 9015607 s/n G22-11647 Mod 1). Placed on TT43 charger. Battery passed with 1 hour 35 minutes run time. Battery replacement is due 7/2025. Reinstalled Mid-Continent backup battery p/n 9015607 s/n G22-11647 Mod 1 back onto the standby gyro Mid-Continent p/n 4300-411 s/n F12-10718 Mods 1,2,3,4. Reinstalled assembly back in aircraft. Ops checked good.

23. Complied with Piper Service Bulletin 1390 dated 7/18/2023 nose landing gear emergency down spring inspection. Diameter of spring wire measures 0.182" is conforming. No further action is required.

25. Complied with Piper Service Letter 1285C dated 3/29/2022 by servicing the nose tire with air to 50 psi and both main tires with air to 55 psi.

27. Complied with Piper Service Letter 1314 dated 8/22/2022 oxygen generator inspection. No defects noted.

28. Right wing fuel sump is slightly wet. Opened right wing fuel valve and drained fuel. Cleaned area. No leaks noted.

29. Reglued section of anti-chafe webbing on the left side of cowling with 3M 847 adhesive.

30. Installed new 8" of anti chafe webbing p/n 65070-005 on the right side cowling between the 2nd and 3rd forward Camloc receptacles.

31. Cleaned both engine side cowls with solvent.

32. Cleaned all 4 fuel cap seals with Isopropyl alcohol and lubed each seal with DC4.

33. Checked left and right fuel tank vent system. Both checked good.

34. Installed new bonding jumper p/n 469-617 on the inboard end of the left aileron.

35. Sealed small cut in cabin door seal by top door pin receptacle. Cleaned area with Isopropyl / alcohol. Sealed with gray RTV.

36. Reset roll pin in the cabin bottom step aft side.

[illegible]

Date	
	<p>37. 75 Scrape marks on copilots windshield in the lower forward corner. Also craze cracking noted on the pilots side window on the forward side near the sealant. (Estimate Outside Repair Cost, plus 3W labor to measure thickness and apply sealant)</p> <p>Using an ultrasonic measuring device the windshield was checked in various places and results were forward to Aircraft Window Services for evaluation.</p>
	38. Polished left and right wing tip light lens.
	39. Lubed flight controls cable air seals with MIL-G-21164 grease IAW AMM Chapter 27-00-00.
	40. Check aileron, rudder, elevator, and elevator trim control cable tensions IAW Piper PA-46-350P AMM Chapter 27-00-00. Checked aileron cable tension limits are 30 lbs +/- 5 lbs. Checked good at 30 lbs. Checked rudder cable tension limits are 40 lbs +/- 5 lbs. Checked good at 40 lbs. Checked elevator cable tension limits are 30 lbs +/- 5 lbs. Checked good at 25 lbs. Checked elevator trim cable tension limits are 12 lbs +/- 2 lbs. Checked good at 12 lbs.
	41. Removed right caliper and cleaned. Honed cylinders to remove corrosion from both bores. Installed new O-rings p/n MS28775-222. Bench bled caliper and reinstalled.
	42. Complied with Piper Service Bulletin 1290B dated 12/14/2017 flap bracket inspection inboard
	bellcrank inspection inboard bellcrank. No sign of loose and working rivets at this time. Next inspection due in 100 hours at Hobbs 1468.2.
	Three Wing Aviation Group, LLC 400 Great Meadow Rd Stratford, CT 06615
	This aircraft, airframe, engine or appliance identified was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service.
	Shop Order MA-24-6168
Total To Carry Forward	<div data-bbox="472 1239 1039 1285">Anthony J. DiNuzzo A&P 3466490 IA</div> <div data-bbox="1249 1239 1333 1270">Date</div> <div data-bbox="1144 1147 1470 1301">3/22/2024</div>

N321AG

Piper Malibu P10- 46-350P

SN# 4636563

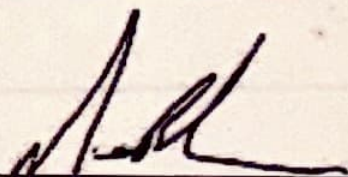
WO# T2466

Date 03-22-2024

Certificate No.

Repaired and polished the outer surface of the RH Windshield.. All Repairs are in accordance with Manufacturer' s Maintenance Manual Chapter 56-00-00. The above-described maintenance has been inspected and is approved for return to service. Pertinent details are on file at this repair station under work order: T2466 dated 03-22-2024.

Signature



FAA Certified Repair
Station VW6R328Y

Aviation Window Services
Suite 220, 2970 Wilderness Place
Boulder, Colorado 80301
303.444.217