

HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL HC-T3Y1R-1N

PROPELLER S/N NY140B

LOGBOOK # 1

Date	Propeller TSN	A/C TSO	Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
<h1>Propeller Log</h1>				
Date: <u>4/8/2013</u>	Hobbs Time: <u>3.6</u>			
Aircraft S/N: <u>4636588</u>	Reg. Number: <u>N188KC</u>			
Prop Model: <u>HC-I3Y1R-1N</u>	S/N: <u>NY140B</u>			
Complied with Hartzell Propeller Owner's Manual <u>145.</u> <u>6-7 THRU 6-12</u>				
Performed Lubrication of Prop by Manufacturer during Flight Testing with Aeroshell #6 after 1 to 2 hours operation.				
Signature: <u>T. Schweitzer</u>				
Name: <u>Tony Schweitzer</u>				
A&P Certificate Number: <u>AP3328631</u>				
Piper	PIPER AIRCRAFT, INC.			

Piper

PIPER AIRCRAFT, INC.



Cutter Aviation Dallas, Inc.
4500 Claire Chennault Drive
Addison, TX 75001



Registration:	N188KC
Model No.	PA46-350P
Serial No.	4636588

Hour Meter	196.4
Total Time	196.4

Propeller Log Entry

Performed a 100 hour inspection in accordance with the PA46-350P series maintenance manual 100 hour checklist.

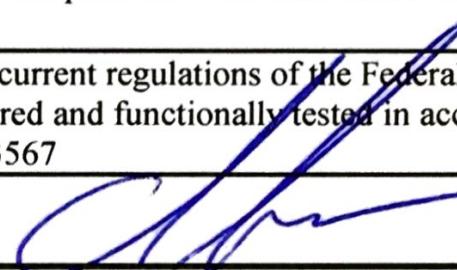
Performed annual lubrication.

I certify this propeller has been inspected in accordance with a 100 hour inspection and has been determined to be in airworthy condition.

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 mfg's instructions.
Pertinent details of the repair are on file at this repair station under Work Order: 06M-3567

Date: May 19, 2014

CRS# UXCR663X


Christopher Gradisar

Date	Propeller
TSN	TSO
HC-13Y 1R-1N PROP S/N NY140E REG NO N188KC WORK ORDER 10964	PROP MODEL A/C TSN 269 3 PROP TT 269 3 HOBBS 269 3
Prop Entries	
(3) Completed a 100 hour propeller inspection in accordance with the PA46-350P series maintenance manual 100 hour checklist P/N 761-876 Dated December 15, 2014 and utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Aircraft.	
(23) Complied with Propeller annual lube. Serviced with Aeroshell 6.	
The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station No TBWR469X under Work Order No 10964 Dated 5/27/2015	
DATE: 5/27/2015	SIGNED:  James F. Morphew Certified Repair Station No TBWR469X
Work Order: 10964	
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Turbine Aircraft Services, LLC.

Repair Station No TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone 405-491-8995

DATE 5/27/2015
A/C TSN 269 3
PROP TT 269 3
HOBBS 269 3

PROP MODEL
HC-13YIR-1N
PROP S/N NY140B
REG NO N188KC
WORK ORDER 11151



Turbine Aircraft Services, LLC.
Repair Station No. TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone 405-491-8995

DATE 2/3/2016
A/C TSN 339.9
PROP TT 339.9
HOBBS 339.9

- Prop Entries**
- (6) Completed 6 month propeller lubrication.

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station No. TBWR469X under Work Order No. 11151 Dated 2/3/2016

DATE: 2/3/2016

SIGNED:

A handwritten signature in black ink, appearing to read "James C. Morphew".

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Work Order: 11151

James C. Morphew
Certified Repair Station No. TBWR469X

PROP MODEL
HG-13Y TR-IN
PROP SN NY 14B
REG NO N188KC
WORK ORDER 11202

Turbine Aircraft Service

 Repair Station No. FAVR#00X
 7101 Millionaire Drive, Hangar 2
 Bethany, Oklahoma 73006
 Phone: 405-401-8006

DATE 4/8/2016
AVG TSM 366.3
PEOF TT 366.3
HOBBS 366.3

Prop Entries

- (4) Completed a 100 hour propeller inspection in accordance with the PA46-350P series maintenance manual 100 hour checklist. P/N 761-876 Dated December 15, 2014 and utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Aircraft.
 - (19) Compiled with Propeller annual tube. Serviced with Aeroshell 6.

The air cart anchor component(s) or N/A/C- was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station No TEWMP459X under Work Order No 11202 Dated 4/3/20

DATE: 4/8/2016

SIGNED:

James, Morpheme

Certified Repair Station No. TEWPA49

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Work Order: 11202

1 of 1

ENGINE LOG



1800 TBO

LYCOMING

New Reciprocating Engine Certificate

This is to certify that the engine as described hereinafter has been manufactured and ground operation tested as prescribed by Lycoming specification and Federal Aviation Regulations. All applicable Federal Aviation Airworthiness Directives applicable Lycoming Service Publications have been complied with at time of manufacture. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

Serial Number L-13954-61A
Engine Model TIO-540-AE2A
Work Order AR557237
Total Time 0 New

Form 777C Rev 07/12

Charles Hess 3/8/13
Authorized Representative Date

Production Certificate #3
652 Oliver Street Williamsport, PA 17701 U.S.A
Lycoming Engines is a division of Avco Corporation

ENGINE DESCRIPTION

Manufacturer: LYCOMING, WILLIAMSPORT, PA Serial No. L-13954-61A

Serial No.

L-13954-61A

Horsepower:

Model: TIO-540-AE2A

FAA T. C. No. E14EA

ENGINE LOG

ENGINE MODEL
TURBINE A320
ENGINE SN: T-13954-61A
FED. NO: 11188RC
WORK ORDER: 50310

Turbine Aircraft Services LLC
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008

DATE 6/19/2013
A/C TSN: 28 4
ENG TT 28 4
TSMOH
HOBBS 28 4

Engine Entries

(1) Changed oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Phillips 20W50M oil. Engine ground run normal, no leaks noted.

The Engine and/or component(s) items identified above were repaired and inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service

DATE: 6/19/2013

SIGNED:

James C. Morphew, A&P 3615285IA

Work Order: 50310

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1 of 1

Carry Forward



ENGINE MODEL
TIO-540-AE2A
ENGINE S/N. L-13954-61A
REC NO. N188KC
WORK ORDER 50322

Turbine Aircraft Services LLC

7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008

DATE 7/12/2013
A/C TSN 66
ENG TT 66
TSMOH
HOBBS 66

Engine Entries

(1) Changed oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Phillips 20W50M oil. Engine ground run normal, no leaks noted.

The Engine and/or component(s) items identified above were repaired and inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service

DATE: 7/12/2013

SIGNED:

Ryan Morphew, License: 003109029IA

Work Order: 50322

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ENGINE MODEL:
TIO-540-AE2A
ENGINE S/N L-13954-61A
REG NO N188KC
WORK ORDER 50326

Turbine Aircraft Services LLC

7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008

DATE 7/22/2013
A/C TSN 915
ENG TT 915
TSMOH:
HOBBS 915

Engine Entries

(1) Changed oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Phillips XC 20W50 oil. Engine ground run normal, no leaks noted.

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. "Pertinent details of the repair are on file at this repair station No. TBWR469X under Work Order No. 50326 Dated 7/22/2013

DATE: 7/22/2013

SIGNED:

James C. Morphew, A&P: 3615285IA

Work Order: 50326

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1 of 1

Carry Forward



ENGINE MODEL:
TIO 540-AE2A
ENGINE S/N L-13954-61A
REG. NO N188KC
WORK ORDER 50351

Turbine Aircraft Services LLC

7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008

DATE 10/3/2013
A/C TSN: 153 4
ENG TT 153 4
TSMOH
HOBBS: 153 4

No.

Engine Entries

- (1) Changed oil and filter. Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Phillips XC 20W50 oil. Engine ground run normal, no leaks noted.
(2) Took engine oil sample for analysis.

The Engine and/or component(s) items identified above were repaired and inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service.

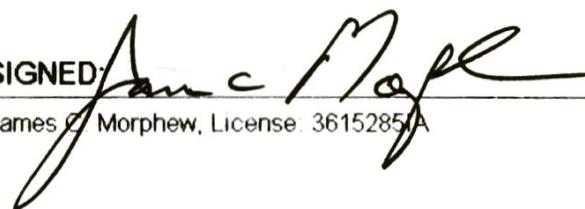
DATE: 10/3/2013

SIGNED:

James C. Morphew, License: 3615285 A

Work Order: 50351

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Cutter Aviation Dallas, Inc.
4500 Claire Chennault Drive
Addison, TX 75001



Registration:	N188KC
Model No.	PA46-350P
Serial No.	4636588

Hour Meter	196.4
Total Time	196.4

Engine Log Entry

Performed a 100 hour inspection in accordance with the PA46-350P series maintenance manual 100 hour checklist.

Compression shows #1 70/80, #2 74/80, #3 78/80, #4 74/80, #5 72/80, #6 74/80.

Replaced upper deck pressure hoses with new, part numbers STD-2048 LW-18724.

Complied with AD 2011-26-04 by visual inspection of fuel injector lines and clamps.

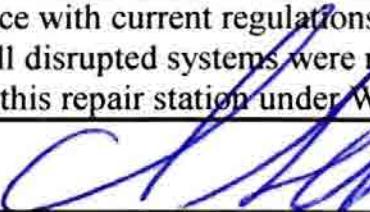
Changed oil and filter, serviced using Phillips XC 20W50.

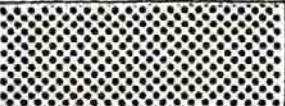
I certify this engine has been inspected in accordance with a 100 hour inspection and has been determined to be in airworthy condition.

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 mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order: 06M-3567

Date: May 19, 2014

CRS# UXCR663X


Christopher Gradisar

Total To Carry Forward			

ENGINE MODEL
TIO-540-AE2A
ENGINE S/N L-13954-61A
REG. NO. N19KC
WORK ORDER# 50527

Turbine Aircraft Services LLC

7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008

DATE 4/8/2015
A/C TSN 252 8
ENG TT 252 8
TSMOH
HOBBS 252 8

No.

Engine Entries

(1) Changed oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Phillips XC 20W50 oil. Engine ground run normal, no leaks noted. Oil sample taken for analysis.

The Engine and/or component(s) items identified above were repaired and inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service

DATE: 4/8/2015

SIGNED:

James C. Morphew, License 36152851A

Work Order: 50527

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ENGINE LOG

ENGINE MODEL
TIO 540-AE2A
ENGINE S/N L-13954-61A
REG NO N188KC
WORK ORDER 10964



Turbine Aircraft Services, LLC.

Repair Station No TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone 405-491-8995

DATE 5/27/2014
A/C TSN 26
ENG TT 26
TSMC
HOBBS 263

Engine Entries

- (2) Completed a 100 hour engine inspection in accordance with the PA46-350P series maintenance manual 100 hour checklist P/N 761-876 Dated December 15, 2014 and utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Aircraft.
- (4) Changed oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Phillips XC 20W50 oil. Engine ground run normal, no leaks noted. Oil sample taken for analysis.
- (5) Checked magneto to engine timing.
- (6) Inspected and cleaned air filter.
- (7) Cleaned, gapped and tested spark plugs. Reinstalled with new gaskets. P/N M674
- (8) Compression tested as follows: 1, 75/80. 2, 73/80. 3, 76/80. 4, 75/80. 5, 72/80. 6, 73/80.
- (9) Cleaned fuel screens.
- (12) Airworthiness Directive 2011-26-04 Amend: 39-16894 dated Jan. 25, 2012 Lycoming fuel lines. Inspected affected fuel lines per para (i) of this A.D. and Lycoming Service Bulletin 342F. No defects noted at this time. Fuel lines due inspection again in 100 hours or ACTT: 369.3.
- (16) Complied with Lycoming Service Bulletin No. 521 Exhaust 250 hour inspection. No defects noted at this time.
- (17) Complied with Lycoming Service Bulletin No. 531 Exhaust 250 hour inspection. No defects noted at this time.
- (28) Complied with A.D. 2011-06-10 Amendment: 39-16635 dated May 6, 2011. Installed new TIT probe P/N 686-216 per Piper S.B. 995C Part III. Probe due replacement AFTT 519.3.
- (37) Installed new bolt P/N LW25-1.50 with washer P/N 68018, spacer P/N LW16759, washer P/N STD-8, and nut P/N STD-2079 in the top of left engine exhaust crossover support link part number 07A19981.
- (40) Cleaned and serviced engine. Performed engine ground run, no fuel or oil leaks noted.



The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. "Pertinent details of the repair are on file at this repair station No. TBWR469X under Work Order No. 10964 Dated 5/27/2015

DATE: 5/27/2015

SIGNED:

James C. Morphew
Certified Repair Station No. TBWR469X

Work Order: 10964

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ENGINE LOG



Leading the Business of Aviation

Cutter Aviation Dallas, Inc.
4500 Claire Chennault Drive
Addison, TX 75001



Registration:	N188KC
Model No.	PA46-350P
Serial No.	4636588

Engine Log Entry

Hour Meter	273.7
Total Time	273.7
Engine TT	273.7

Complied with Piper Service Bulletin 1103E part II Engine Mount Inspection. Removed engine Model# T10-540-AE2A to facilitate maintenance. Referenced PA 46-350P MM 71-00-00. Removed engine mount PN 89137-042 SN 113484 and Installed new engine mount P/N 89137-043 S/N M00191021 in accordance with Service Bulletin 1103E service instructions. Installed new actuator mount bolt P/N 692-106, washer 690-630, bushing P/N 692-107, washer 690-626, and nut P/N 599-444 included with engine mount kit. Installed 2 each new upper engine mount bolts P/N 401-389, with new nuts P/N 404-563, and new washers P/N STD-475. Installed new exhaust gaskets P/N 77611 (1ea), and P/N 06B19913 (1ea). Installed (2ea) new right side heat shield clamps P/N LW1592-8E24. Installed (2ea) PN LW-18038 left and right turbo oil drain gaskets. Installed (2ea) new turbocharger mount bolts with P/N LW3155-0.88 and new flat washers P/N NAS1149C0563R. Serviced air conditioner with R134A refrigerant as needed. Referenced PA46-350P MM 71-00-00, 20-00 and 21-50-00. Torqued as required. Serviced engine with Phillips 20W50. Performed landing gear operational checks and steering rigging with no defects noted. Performed ground run operational checks found no defects. Updated weight and balance due to change in weight from old mount to new mount in accordance with SB 1103E part II section 4 page 4, and installed in Pilots Operating handbook.

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 mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order: 06M-3892

Date: July, 7 2015

CRS# UXCR663X

Robert Fulcher

Total To
Carry Forward



ENGINE MODEL
TIO-540-AE2A
ENGINE S/N L-13954-61A
REG NO N188KC
WORK ORDER 11151



Turbine Aircraft Services, LLC.

Repair Station No. TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone 405-491-8995

DATE: 2/3/2016
AVC TSN 339 9
ENG TT 339 9
TSMOH
HOBBS 339 9

, No.

Engine Entries

- (2) Changed oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Phillips XC 20W50 oil. Engine ground run normal, no leaks noted.
- (3) Oil sample taken for analysis. Aviation Oil Analysis P/N 1151
- (8) Airworthiness Directive 2015-19-07 Amend: 39-18269 dated Nov. 3, 2015 Lycoming fuel lines. Inspected affected fuel lines per para (e)(1)(ii) of this A.D. and Lycoming Service Bulletin 342G installation check list. No defects noted at this time. Fuel lines due inspection again in 100 hours or ACTT: 439.9

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. "Pertinent details of the repair are on file at this repair station No. TBWR469X under Work Order No. 11151 Dated 2/3/2016

DATE: 2/3/2016

SIGNED:

James C. Morphew
Certified Repair Station No. TBWR469X

Work Order: 11151

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ENGINE LOG

ENGINE MODEL
TIO 540 AE2A
ENGINE S/N L-13954-61A
REG NO N188KC
WORK ORDER 11202



Turbine Aircraft Services, LLC.

Repair Station No. TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone 405-491-8995

DATE 4/8/2016
A/C TSN 366 3
ENG TT 366 3
TSMOH
HOBBS 366 3

Engine Entries

- (2) Completed Oklahoma Aviation Engine Health Check using Oklahoma Aviation Approved Health Check list form dated 01/21/2016.
- (3) Completed a 100 hour engine inspection in accordance with the PA46-350P series maintenance manual 100 hour checklist P/N 761-876 Dated December 15, 2014 and utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Aircraft.
- (5) Changed oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Phillips XC 20W50 oil. Engine ground run normal, no leaks noted. Oil sample taken for analysis.
- (6) Checked magneto to engine timing.
- (7) Inspected and cleaned air filter.
- (8) Cleaned, gapped and tested spark plugs. Reinstalled with new gaskets. P/N M674
- (9) Compression tested as follows: 1, 74/80. 2, 74/80. 3, 75/80. 4, 77/80. 5, 76/80. 6, 74/80.
- (10) Cleaned fuel screens.
- (13) Airworthiness Directive 2015-19-07 Amend: 39-18269 dated Nov. 3, 2015 Lycoming fuel lines. Inspected affected fuel lines per para (e)(1)(ii) of this A.D. and Lycoming Service Bulletin 342G installation check list. No defects noted at this time. Fuel lines due inspection again in 100 hours or ACTT: 466.3.
- (17) Complied with Lycoming Service Bulletin No. 521 Exhaust system 250 hour/Annual inspection. No defects noted at this time.
- (45) Cleaned and serviced engine. Performed engine ground run, no fuel or oil leaks noted.

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. "Pertinent details of the repair are on file at this repair station No. TBWR469X under Work Order No. 11202 Dated 4/8/2016

DATE: 4/8/2016

SIGNED:

James C. Morphew
Certified Repair Station No. TBWR469X

Work Order: 11202

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1 of 1

Carry Forward



ENGINE MODEL
TIO-540-AE2A
ENGINE S/N L-13954-61A
REG NO N188KC
WORK ORDER 11254



Turbine Aircraft Services, LLC.

Repair Station No. TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone: 405-491-8995

DATE: 6/2/2016
A/C TSN 385 2
ENG TT 385 2
TSMOH
HOBBS 385 2

: No.

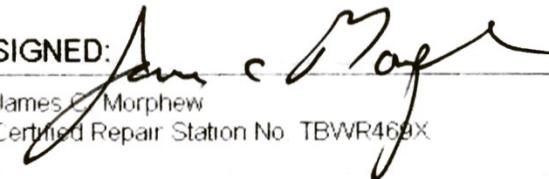
Engine Entries

- (1) Inspected turbo charger inlets for condition, No defects noted. Inspected induction pipes, hoses and clamps, No defects noted. Performed a cylinder compression test 1. 74/80 2. 75/80 3. 68/80 4. 76/80 5. 78/80 6. 74/80. Lubricated turbo wastegate. Serviced engine oil level. Completed satisfactory ground run. All engine parameters were normal at this time. Aircraft was test flown, No defects noted.

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. "Pertinent details of the inspection/repair are on file at this Repair Station No. TBWR469X under Work Order No. 11254 Dated 6/2/2016

DATE: 6/2/2016

SIGNED:


James C. Morphew
Certified Repair Station No. TBWR469X

Work Order: 11254

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ENGINE LOG

ENGINE MODE
TIO 7 AE2A
ENGINE S/N L-13954-61A
REG NO N188KC
WORK ORDER 11292

Turbine Aircraft Services, LLC.

Repair Station No TBWR469X
7101 Millionaire Drive, Hwy 21
Bethany, Oklahoma 73008
Phone 405-491-8995

DATE 7/21/2016
A/C TSN 414 7
ENG TT 414 7
TSMOH
HOBBS 414 7

Engine Entries

- (2) Changed oil and filter. Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Phillips XC 20W50 oil. Engine ground run normal, no leaks noted.
(3) Oil sample taken for analysis. Aviation Oil Analysis. P/N 1151.

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. "Pertinent details of the inspection/repair are on file at this Repair Station No. TBWR469X under Work Order No. 11292 Dated 7/21/2016

DATE: 7/21/2016

SIGNED:

James C. Morphew
Certified Repair Station No. TBWR469X

Work Order: 11292

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Carry Forward

AIRCRAFT LOG



AIRCRAFT LOG

PIPER AIRCRAFT, INC.

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

N188KC

Aircraft

Registration number

Part No. 230715

AIRCRAFT DESCRIPTION

Registration No. N 188KC

Model: PA-46-350P

Popular Name: MALIBU MIRAGE

Serial No.: 4636588

P6294

Type Certificate No.: A25SO

815826

859687

Colors: MATTERHORN WHITE / BLACK PEARL & PLATINUM PEARL

Engine Manufacturer: LYCOMING

Serial Numbers: Single L-13954-61A

Original Engine Model: TIO-540-AE2A

Left _____

Right _____

Propeller Manufacturer: HARTZELL

Hub or Serial Number: Single NY140B

Original Propeller Model: HC-T3YR-IN

Left _____

Right _____

Blade Numbers

Left _____

Right _____

2013 MODEL

A6724

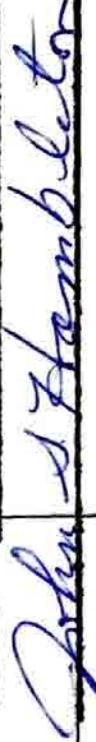
A6739

A6740

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES

A. D. No. and Date	Method of Compliance (See Log for Details)	Time on Aircraft	Date of Compliance	Signature and Certificate No.
	applicable Federal Aviation Administration Airworthiness Directives, through BL-Weedy have been complied with at the time of manufacture. John S. Hambleton JOHN S. HAMBLETON DMR-600120-CE	2013-07 5.4	APR 18 2013	

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
APR 18 2013	Brought Forward →	5.4	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 (PST) <u>3/7/13 (sec) 3/7/13</u>	
			55,000 ft <u>55,000 ft</u>	
			The ELT is installed per FAR 91.207. Battery Replacement date: <u>FEB 2020</u>	
			Dated: <u>APR 18 2013</u>	
				
			JOHN S. HAMBLETON DMR-500120-CE Piper Aircraft, Inc. Vero Beach, Florida	
	Total To Carry Forward		5.4	

Registration No. N 188 KC

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 GARMIN Model GTX33 SN 89124592
2. Make N/A Model N/A S/N N/A

Details of this inspection are on file at this facility under:

ACET S/N 410310588 Date 4/21/13

The Automatic Pressure Altitude Reporting Equipment Test required by FAR Part 91.217 have been performed this date:

4/21/13

John S. Hambleton
JOHN S. HAMBLETON DMIR-500120-CE
Piper Aircraft, Inc.
Vero Beach, Florida

AIRCRAFT LOG

Date	Aircraft Time	Recorder Reading	Maintenance
	This Date	Total	
APR 18 2013	Brought Forward →	5.4	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 +/- 1½
			STALL WARNING
			TIP GRAMS ACTUAL SETTINGS
	POWER	FLAPS	
	OFF	Full Up 0°	+3.8
	OFF	10° - 20°	+2.1
	OFF	Full Down 36°	+1.7
	ON	Full Up 0°	+2.8
	ON	10° - 20°	+0.8
	ON	Full Down 36°	+0.5
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>2/12/13</u> .			
Signed: <i>John S. Hambleton</i>	JOHN S. HAMBLETON DMR-500120-CE	PIPER AIRCRAFT, INC.	Piper
Total To Carry Forward	5.4		

Registration No. N188KC

and Remarks

Signature

Certificate No.

MAKE: Piper
MODEL: PA46-350P
SN: 4636588
REG NO: N188KC
WORK ORDER:
1868-04-2013

Piper Aircraft, Inc.
2926 Piper Drive
Vero Beach, FL 32960
Phone: 772-567-4361 ext 2671

Airframe Entries

Right fuel indicator "X" out on ground with full tanks. Removed right inboard fuel sender s/n 1163, installed new sender p/n 106757-004 [601-644] s/n 1207 and performed fuel quantity indicator calibration per Piper MM 761-876 chapter 28-40-00. Installation, calibration and leak check all acceptable.

Maintenance Release

The aircraft and/or component(s) on N188KC 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, ZPAR410X, under Work Order No. 1868-04-2013, Dated 4/26/2013.

DATE: 4/26/2013
SIGNED: 
Work Order: 1868-04-2013

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AIRCRAFT LOG

Date	Aircraft Time	Recorder Reading	Maintenance
	This Date	Total	
ENGINE MODEL T/O 540-AE2A ENGINE S/N L-13954-51A REG NO N188KC WORK ORDER 1868-04-2013	Piper Aircraft, Inc. 2926 Piper Drive Vero Beach, FL 32960 Phone: 772-567-4361 ext 2671		
			DATE: 4/26/2013 A/C TSN: 6 ENG TT: 6 HOBBS: 6
Engine Entries			
Cabin spike of >1000 fpm at 12,500 when power reduced from 30" to 24". Performed ground pressurization check and no defects noted. Performed visual inspection of both turbo chargers and verified security of all hoses used for pressurization in engine compartment. Verified correct adjustment of arm between absolute pressure controller and fuel servo per Lycoming Service Instruction 1431 supplement 2. Removed absolute pressure controller s/n H-PIN0002 and installed new controller p/n 48E21297 [48E21297] s/n H-PGN00249, performed set up per Lycoming Service Instruction 1431. Installation of absolute pressure controller acceptable. Ground run acceptable.			
Maintenance Release			
The aircraft and/or component(s) on N188KC 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, ZPAR410X, under Work Order No. 1868-04-2013. Dated 4/26/2013.			
DATE: 4/26/2013	SIGNED:  Frank Jones	Work Order: 1868-04-2013	
Total To Carry Forward			Printed by EBis 3 (datcomedia.com)

Airframe

N188KC
Model: PA-46-350P
S/N: 4636588
Date: 12 June 2013



Complied with ~~Piper~~ SB 1258 part 1 by inspecting the fuel vent valves and found 2 black valves installed. Complied with part 3 by installing 2 new valves P/N 106927-001 per the SB instructions and performed operational check per Piper AMM 761-876 ch 28-10-00. Accomplished all required operational and functional checks with satisfactory results.

The Aircraft identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details are on file under the above work order.

Signed JBP Olathe KS 66062 (913) 782-0530 FAA Repair Station #AMYR171C

Hobbs Time: 19.0
Total Time: 19.0
Work Order: S-13-00173

AIRCRAFT LOG

Date	Aircraft Time	Recorder Reading	Maintenance
This Date	Total		

VALAIR Aviation

7301 NW 50th St. Oklahoma City, Oklahoma 73132-9702
FAA Certificated Repair Station #V5SR2170 Phone: (405) 789-5000 Fax: (405) 789-5995
October 31, 2013 Model * PA46-350P s/n * 4636588
A/C HM - 181.9 Aircraft Total Time - 181.9hrs

Replaced left and right wing inboard and outboard fuel quantity sending units per Piper PA46-350P AMM.
Calibrated fuel quantity system per Piper PA46-350P AMM.

The maintenance described above is certified airworthy and with respect to the work performed this aircraft/engine is approved for return to service.

Details are on file at this facility under WO# 218

James Nix for CRS# V5SR2170

*** END ***



Leading the Business of Aviation

Cutter Aviation Dallas, Inc.
4500 Claire Chennault Drive
Addison, TX 75001



Registration:	N188KC
Model No.	PA46-350P
Serial No.	4636588

Airframe Log Entry

Hour Meter	196.4
Total Time	196.4

Performed an Annual inspection in accordance with the PA46-350P series maintenance manual 100 hour checklist.
Inspected ELT per FAR 91.207(d), battery date February 2020.

Performed ELT self test.

Performed fire extinguisher weight check.

Performed battery compartment inspection.

Cleaned and inspected fuel filter.

Performed capacity check on main battery serial number 40576548. Battery passed above 96%.

Performed capacity check on standby attitude battery serial number A13-10126.

Performed speed brake annual inspection.

Complied with service bulletin 1269A by relocating ground wire on GWX-68.

Complied with service bulletin 1204 by verifying no wing life recalculations due at this time.

Complied with service bulletin 1250A by incorporating revision 8 and 9 into POH part number VBE-2121.

Complied with service letter 1179 by upgrading G1000 software to 720.15.

Verified AD 2013-13-01 previously complied with by service bulletin 1258

Adjusted rudder cable tensions.

Adjusted nose gear actuator end bearing and sequence valve.

Replaced right lightning diverter strip with new, part number 272-225.

Replaced cockpit speaker with new, part number 585-021.

I certify this airframe has been inspected in accordance with an Annual inspection and has been determined to be in airworthy condition.

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 mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order: 06M-3567

Date: May 19, 2014 CRS# UXCR663X

Christopher Gradisar

AIRCRAFT LOG

Date	Aircraft Time	Recorder Reading	Maintenance
	This Date	Total	
	Brought Forward 		

VALAIR Aviation

7301 NW 50th St. Oklahoma City, Oklahoma 73132-9702
FAA Certificated Repair Station #V5SR2170 Phone: (405) 789-5000

Fax: (405) 789-5995

January 22, 2015 Model *PA46-350P s/n *4636588 NI88KC
A/C HM - 221.5 hrs.

Cleaned propeller heat brush block connections. All operations and indications were found to be normal.

The maintenance described above is certified airworthy and with respect to the work performed this aircraft/engine is approved for return to service.

Details are on file at this facility under WO# 0806


Craig Jorgensen for ORS# V5SR2170

*** END ***

Total To
Carry Forward



Registration No.

MAKE Piper
MODEL PA-46-350P

DATE 4/8/2015
A/C TSN 2528
HOBBS 252.8

S/N 4636588
REG NO N188KC
WORK ORDER 50527

No.

Turbine Aircraft Services LLC
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008

Airframe Entries

- (2) Installed new left main landing gear tire. P/N 606C86-6, S/N 42662239. Tube P/N 302-246-401. Serviced and leak checked.
- Installed wheel and tire assembly.
- (3) Installed new right main landing gear tire. P/N 606C86-6, S/N 42652283. Tube P/N 302-246-401. Serviced and leak checked.
- Installed wheel and tire assembly.

The Aircraft and/or component(s) items identified above were repaired and inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service.

— DATE: 4/8/2015

SIGNED:

Work Order 50527

James C. Morphew, License 36157851A

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AIRCRAFT LOG

MAKE Piper
MODEL PA-46-350P
S/N 4636588
REG NO N188KC
WORK ORDER 50502

Turbine Aircraft Services LLC

7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008

DATE 4/27/2015
A/C TSN 254.4
HOBBS 254.4

nce

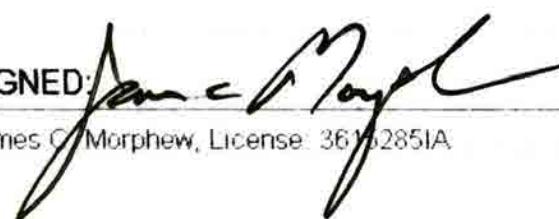
Airframe Entries

(1) Installed Tanis engine preheat system per Instruction Document No: TNP2927, Dated: REV. D, MAY-19-2014; Kit P/N TSP6CYL-2927-115, S/N 49294, STC AML SE03309CH. Instructions for continued Airworthiness, Document No. TICA2927, Rev. C dated APR-18-2014 where attached with permanent records. Operating Guide Document No. TPG0001 Rev. F dated APR-11-2014 was installed in Aircraft Flight Manual. Weight and Balance not changed due to negligible weight gain. FAA Form 337 Filed 04/27/2015. Functional check good.

The Aircraft and/or component(s) items identified above were repaired and inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service.

DATE: 4/27/2015

SIGNED:



James C. Morphew, License: 3615285IA

Work Order: 50502

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Carry Forward



1. Approving Civil Aviation Authority/Country

2. Item Tracking Number

3. Work Order/Contract/Invoice Number

4. Organization Name and Address

5. Serial Number

6. Item

7. Description

8. Part Number

9. Quantity

10. Serial Number

11. Status (Work)

12. Remarks

AIRWORTHINESS APPROVAL TAG

12965

5934PAD3

498606

Inspected

Tested and Certified IAW FAR 43 Appx E from -1000 to **35** FT.

13a. Certifies the items identified above were manufactured in conformance to:

condition for safe operation.

Approved design data and are in a

14 CFR 43.9 Return to Service

Other regulation specified in Block 12

Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 13 was accomplished in accordance with Title 14 CFR of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

13b. Authorized Signature:

13c. Approval/Authorization No.:

CE-26

IX2R914K

13d. Name (Type or Printed):

CC Taff

04/May/2015

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine, propeller, fairings, Where the maintenance performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engines (propellers, fairings) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 1 & 2 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the airworthiness authority before the aircraft may be flown.

X	12	-22	A	1146	1147	1
X	14	-22				
X	15	-23	X			
X	16	-24				
X	18	-25				
X	20	-27	X			
X	22	-30				
X	25	-33				
X	30	-41				
X	35	-44				
X	40	-48	X			
X	45	-50				
Calvin Taff Electronics Inc. 5601 Philip J. Rhoads Ave. Hanger #3C Bethany, OK 73008 Phone: 405-789-1268 Fax: 405-789-1278 CRS# IX2R914K	INSPECTOR	CC-26				

DATE 5-4-2015

Calvin Taff Electronics Inc. (405) 789-1268 R.S.IX2R914K
5601 Philip J. Rhoads Ave. Hanger #3-C Bethany, Oklahoma 73008
TXP#1 Mfg. By GARMIN TX33 M# 011-00771-10 S# 89124592
TXP#2 Mfg. By — M# — S# —
TXP#3 Mfg. By — M# — S# —
Has been tested, inspected and found to comply with FAR 91.413
ALT#1 Mfg. By GARMIN ADC 74A M# 011-00882-10 S# 20614512
Has been cert. By TXARQ14K on 05/04/15 to an altitude of 35 thousand ft.
ALT#2 Mfg. By GARMIN ADC 74A M# 011-00882-10 S# 20614542
Has been cert. By TXARQ14K on 05/04/15 to an altitude of 35 thousand ft.
ALT#3 Mfg. By United M# 59349AD-3 S# 498606
Has been cert. By TXARQ14K on 05/04/15 to an altitude of 35 thousand ft.
Static/Encoding system has been tested, inspected and found to comply
with FAR 91.411.
Reference WO# 12965 by Bobby Joe Brown Date 05/04/15

AIRCRAFT LOG

MAKE Piper

MODEL PA-46-350P

S/N 4636588

REG NO N188KC

WORK ORDER 10964



Turbine Aircraft Services, LLC.

Repair Station No TBWR469X

7101 Millionaire Drive, Hangar 21

Bethany, Oklahoma 73008

Phone 405-491-8995

DATE 5/27/2015

A/C TSN 2693

HOBBS 2693

Airframe Entries

- (1) Completed an Annual Aircraft inspection in accordance with the PA46-350P series maintenance manual 100 hour checklist P/N 761-876 Dated December 15, 2014 and utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Aircraft.
- (10) Inspected and serviced aircraft battery.
- (11) Replaced vacuum filter. P/N B3-5-1
- (13) Complied with FAR 91.207 (d) ELT functional test and inspection. Functional test was done using beacon tester P/N ELT Model BT100AVS S/N 6129. ELT P/N 453-6603 S/N 197-14366 installed at this time. ELT battery P/N 452-6499 S/N 357112-056 installed with an expiration date of FEB 2020.
- (14) Complied with 30 day inspection/annual weight check of cockpit hand held fire extinguisher. Model RT-A600, S/N X-812315. MFG 2012, weight 1.5 lbs.
- (15) Completed annual aircraft lubrication items.
- (18) **Complied with Piper SB 1204.** Operating history of this aircraft has been determined to be "Category I, Normal Usage" at this time.
- (19) Complied with Fuel transmitter floats 2 year 500 hour inspection. No defects noted.
- (20) Complied with Fuel strainers 2 year 500 hour inspection. No defects noted.
- (21) Completed magnetic compass 2 year swing check.
- (22) Completed Garmin Magnetometer 2 year recalibration.
- (24) Completed with Speedbrake 12 month inspection. No defects noted.
- (25) Completed 12 month inspection of the Airborne check valve. No defects noted.
- (26) Installed new standby battery. P/N 9015607, S/N D15-10783.
- (27) Complied with Piper Service Bulletin 1103E, Part 1 engine mount inspection. Next Inspection time not to exceed ACTT 369.3. No defects noted at this time.
- (30) Complied with 50 Hour Scheduled Maintenance Inspection per Piper PA-46-350P, P/N 761-876, Dated December 15, 2014, Chapter 5-20-00.
- (31) Serviced the hydraulic reservoir in accordance with Piper maintenance manual PA-46-350P chapter 12-10-00.

Carry Forward

Registration No. _____

- (32) Installed new extend hose P/N 565-905 and retract hose P/N 565-905 on left main gear actuator in accordance with Piper PA-46 350P maintenance manual chapter 29-10-00. No leaks noted on gear retraction checks.
- (33) Installed new extend hose P/N 565-905 and retract hose P/N 565-905 on right main gear actuator in accordance with Piper PA-46-350P maintenance manual chapter 29-10-00. No leaks noted on gear retraction checks.
- (34) Installed new left position/strobe light assembly with Whelen unit P/N 01-0790340-06 S/N 00580 in accordance with Piper PA-46-350P maintenance manual chapter 33-40-00. The left position/strobe light assembly ops checked good at this time.
- (38) Inspected aircraft placards for conformity. All required placards were found in there proper place and were legible.
- (39) Cleaned serviced and lubed aircraft. Engine ground run normal, no leaks noted.

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service "Pertinent details of the repair are on file at this repair station No. TBWR469X under Work Order No 10964 Dated 5/27/2015

DATE: 5/27/2015

SIGNED:



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Work Order: 10964

James C. Morphew
Certified Repair Station No TBWR469X

AIRCRAFT LOG

Date	Aircraft Time	Recorder Duration	Maintenance			
Registration	Cutter Aviation Dallas, Inc. 4500 Claire Chennault Drive Addison, TX 75001					
Model No.	Piper					
Serial No.	4636588					
Airframe Log Entry						
<p>Compiled with Piper Service Bulletin 1103E part II Engine Mount Inspection. Removed engine Model# T10-540-AE2A to facilitate maintenance. Referenced PA 46-350P MM 71-00-00. Removed engine mount PN 89137-042 SN 113484 and Installed new engine mount P/N 89137-043 S/N M00191021 in accordance with Service Bulletin 1103E service instructions. Installed new actuator mount bolt P/N 692-106, washer 690-630, bushing P/N 692-107, washer 690-626, and nut P/N 599-444 included with engine mount kit. Installed 2 each new upper engine mount bolts P/N 401-389, with new nuts P/N 404-563, and new washers P/N STD-475. Installed new exhaust gaskets P/N 77611 (1ea), and P/N 06B19913 (1ea). Installed (2ea) new right side heat shield clamps P/N LW1592-8E24. Installed (2ea) PN LW-18038 left and right turbo oil drain gaskets. Installed (2ea) new turbocharger mount bolts with P/N LW3155-0.88 and new flat washers P/N NAS1149C0563R. Serviced air conditioner with R134A refrigerant as needed. Referenced PA46-350P MM 71-00-00, 20-00 and 21-50-00. Torqued as required. Serviced engine with Phillips 20W50. Performed landing gear operational checks and steering rigging with no defects noted. Performed ground run operational checks found no defects. Updated weight and balance due to change in weight from old mount to new mount in accordance with SB 1103E part II section 4 page 4, and installed in Pilots Operating handbook.</p> <p>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 mfg's instructions. Pertinent details of the repair are on file at this repair station under Work Order: 06M-3892</p>						
Date:	July, 7 2015 CRS# UXCR663X					
Total To Carry Forward						
	Robert Fulcher					

Registration No. _____

MAKE Piper
MODEL PA-46-350P
S/N 4636588
REG NO N188KC
WORK ORDER 11015



Turbine Aircraft Services, LLC.
Repair Station No TBWR469X
7101 Millionairre Drive, Hangar 21
Bethany, Oklahoma 73008
Phone 405-491-8995

DATE: 7/17/2015

A/C TSN 273 7

HOBBS 273 7

Jo.

(2) Pressurized aircraft and verified emergency exit door was leaking at the bottom of door and squealing. Removed emergency exit door assembly, inspected door seal, cleaned door seal, and lubricated door seal. Reinstalled emergency exit door assembly and pressurized aircraft. Emergency exit door leak checked good at this time.

The Aircraft and/or component(s) items identified above were repaired and inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service "pertinent details of this repair are on file at this repair station No TBWR469X" N188KC 11015 7/17/2015

DATE: 7/17/2015

SIGNED:

James C. Morphew
Certified Repair Station No TBWR469X

Work Order: 11015

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AIRCRAFT LOG

MAKE: Piper
MODEL: PA-46-350P
S/N: 4636538
REG NO: N188KC
WORK ORDER: 11095



Turbine Aircraft Services, LLC.
Repair Station No: TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone: 405-491-8995

Airframe Entries

(4) Completed 30 day/ 12 month inspection of hand held fire extinguisher. Model RT-A600, S/N X-812315. MFG date 2012.
Weight 1.5 lbs.

The aircraft and/or component(s) items identified above were repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. "Pertinent details of this repair are on file at this repair station No: TBWR469X" N188KC 11095 10/27/2015

DATE: 10/27/2015

SIGNED:


James C. Morphew
Certified Repair Station No: TBWR469X

Work Order: 11095

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1 of 1

Carry Forward

Registration No.

and Remarks

7301 NW 50th St.
FAA Certificated Repair Station #V5SR

January 28, 2016

Mo
A

V/A

Certificate # 50KA992K

Tail #

Aircraft Type

Serial #

Date

N188KC

PA-46-350P

4636588 1/28/2016

The operator of this aircraft "Oklahoma Aviation LLC" has selected the Aircraft Manufacturers Current Inspection Program to inspect the this aircraft under FAR 91.409(f)(3). The person responsible for scheduling inspections is Chris Painter, Director of Operations, Oklahoma Aviation LLC.

Replaced discrepant Circuit Breaker
Tested & troubleshoot Pitch trim
The maintenance described above is performed this aircraft/engine is approved by the operator.

Details are on file at this facility under

Signed
Director of Operations



AIRCRAFT LOG

MAKE Piper
MODEL PA-46-350P
SN 4636586
REG N188KC
WORK ORDER 11151

AB
Repair Station No TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone 405-491-8995

Turbine Aircraft Services, LLC.

DATE 2/3/2016
AVC TSN 339 9
HOBBS 339 9

nce

Airframe Entries

- (1) Completed 50 hour Inspection using **Piper Maintenance Manual P/N 761-876, Chapter Five Inspection Guide dated 14 Dec 2014**. As required by Oklahoma Aviation Operations Manual.
- (4) Completed Piper Mandatory Service Bulletin 1280 dated 03/Aug/2015. Fire extinguisher replacement. Installed new hand held fire extinguisher Model A344, S/N B-02759737. MFG date 2015. Weight check 2 lbs. 7.2 oz.
- (5) Completed Piper Mandatory Service Bulletin 1283 dated 12/Jun/2015. Cabin Altitude Encoder Installation Modification. Complied with Part I installed cable ties and Loctite 242 per Service Bulletin. Part II of this Service Bulletin due again at AFTT 389.9 (every 50 hours)
- (7) Completed 30 day/ 12 month inspection of hand held fire extinguisher. Model A344, S/N B-02759737 MFG date 2015. Weight check 2 lbs. 7.2 oz.

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station No TBWR469X under Work Order No 11151 Dated 2/3/2016

DATE: 2/3/2016

SIGNED:


James C. Morphey
Certified Repair Station No TBWR469X

Work Order: 11151

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Carry Forward

1 of 1

Registration No.

MAKE Piper

MODEL PA-46-350P

S/N 4636588

REG NO N188KC

WORK ORDER 11168



Turbine Aircraft Services, LLC.

Repair Station No TBWR469X

A/C TSN 3519

HOBBS 3519

7101 Millionaire Drive, Hangar 21

Bethany, Oklahoma 73008

Phone 405-491-8995

Airframe Entries

- (1) Cleaned prop heat slip rings and adjusted deice brushes. Tested good in reference to Piper Maintenance Manual P/N 761-876, 15-DEC-2015, 30-60-00-3.C.(2)(b).
- (2) Cleaned and lubricated left and right boost pump switches.

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service "Pertinent details of the repair are on file at this repair station No TBWR469X under Work Order No 11168 Dated 2/26/2016

DATE: 2/26/2016

SIGNED:

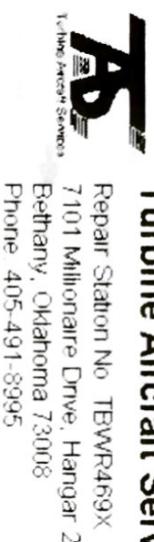
Work Order: 11168

James C. Morphew
Certified Repair Station No TBWR469X

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AIRCRAFT LOG

MAKE: Piper
MODEL: PA-46-350P
S/N: 4636588
REG NO: N188KC
WORK ORDER: 11174



Airframe Entries

- (1) Installed new PFD2 cooling fan P/N 305467-00, S/N 20979 in reference to Piper PA-46-350P Maintenance Manual, 761-876, DEC 15/14, 21-20-00-4.B.(b). Removed fan S/N 11169.

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station No. TBWR469X under Work Order No. 11174 Date: 3/2/2016

DATE: 3/2/2016

SIGNED:

James C. Morphey
Certified Repair Station No. TBWR469X

Work Order: 11174

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1 of 1

Carry Forward

Registration No. _____

MAKE Piper
MODEL PA-46-350P

S/N 4636588
REG NO N188KG
WORK ORDER 11202



Turbine Aircraft Services, LLC.
Repair Station No TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone 405-491-8995

DATE 4/8/2016
A/C TSN 366 3
HOBBS 366 3

Jo.

Airframe Entries

- (1) Completed an Annual Aircraft inspection with reference to the PA46-350P series maintenance manual 100 hour checklist P/N 761-876 Dated December 15, 2014. As required by Oklahoma Aviation Operations Manual.
- (11) Inspected and serviced aircraft battery.
- (12) Replaced vacuum filters. P/N B3-5-1
- (14) Complied with FAR 91.207 (d) ELT functional test and inspection. Functional test was done using beacon tester P/N ELT Model BT100AVS S/N 6129. ELT P/N 453-6603 S/N 197-14366 installed at this time. ELT battery P/N 452-6499 S/N 357112-056 installed with an expiration date of FEB 2020.
- (15) Complied with 30 day inspection/annual weight check of cockpit hand held fire extinguisher. Model A344, S/N B-02759737. MFG 2015, weight 2lbs 7oz.
- (16) Completed annual aircraft lubrication items.
- (18) Complied with Piper SB 1204. Operating history of this aircraft has been determined to be "Category I, Normal Usage" at this time.
- (20) Complied with Speedbrake 12 month inspection. No defects noted.
- (21) Completed 12 month inspection of the Airborne check valve/manifold. No defects noted.
- (22) Complied with standby battery capacity check for standby attitude indicator using Model TT43 Battery Tester/Charger P/N 6430043-1 S/N B16-10345. Capacity check passed on battery P/N 9015607 S/N D15-10783. Charged battery to full capacity and ops checked.
- (23) Piper Service Bulletin 1103E engine mount inspection/ replacement was previously complied with by Cutter Aviation Dallas, Inc. CRS# UXCR663X Dated 07/JUL/2015 at AFTT 273.7 reference W/O# 06M-3892.
- (25) Complied with 50 Hour Scheduled Maintenance Inspection per Piper MM, P/N 761-876, Dated December 15, 2014, Chapter 5-20-00.
- (26) Serviced the hydraulic reservoir in accordance with Piper maintenance manual PA-46-350P chapter 12-10-00.
- (27) Complied with Piper Service Bulletin 1283 Cabin Altitude Encoder Modification. No longer recurring per A.D. 2015-13-09 dated July 13, 2015.

AIRCRAFT LOG

- (28) Completed Goodrich pressure controller 400 hour inspection. No defects noted.
- (29) Completed 400 hour Lycoming valve rocker inspection. No defects noted at this time. Installed rocker box covers with new gaskets P/N 67193. Ran engine. No leaks noted.
- (30) Completed Lycoming SB 531 Turbocharger and tailpipe 12 month inspection. No defects noted.
- (31) Complied with Tannis heater instructions for continued airworthiness. No defects found.
- (32) Complied with Garmin GSA 8X servo 36 month inspection. No defects noted.
- (33) Cleaned and lubricated propeller governor return spring.
- (35) Replaced rivets in left lower wing to fuselage panel as required.
- (36) Replaced rivets in right lower wing to fuselage panel as required.
- (37) Adjusted Aileron cable turnbuckles to obtain proper tension and safetied in reference to Piper PA-46-350P MM 27-10-00-4.C.
- (38) Adjusted Rudder cable turnbuckle to obtain proper tension and safetied in reference to Piper PA-46-350P MM 27-20-00-3.C.
- (10).
- (39) Adjusted steering bungee so nose wheel was aligned with longitudinal axis of airplane and safetied in reference to Piper PA-46-350P MM 27-20-00-3.C.(9).
- (41) Installed new left lighting diverter strip kit P/N 88559-003 per Piper Aircraft, Inc. drawing No. 88559 Rev.A.
- (42) Installed new right magneto switch back lighting bulb. P/N 85
- (43) Installed new landing light switch back lighting bulb. P/N 85
- (44) Cleaned serviced and lubed aircraft. Engine ground run normal, no leaks noted.

The aircraft and/or component(s) on N138KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service "Pertinent details of the repair are on file at this repair station No TBWR469X under Work Order No 11202 Dated 4/8/2016

DATE: 4/8/2016

SIGNED:

Printed by EBis 3 (datcomedia.com)

Work Order: 11202

James C. Morphew
Certified Repair Station No. TBWR469X

2 of 2

Carry Forward

Registration No. _____

MAKE: Piper
MODEL: PA-46-350P
S/N: 4636588
REG NO: N188KC
WORK ORDER: 11268



Turbine Aircraft Services, LLC.

Repair Station No: TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone: 405-491-8995

Airframe Entries

(1) Right brake system was gravity bled. Serviced brake reservoir. No leaks noted. System checks good at this time

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. "Pertinent details of the inspection/repair are on file at this Repair Station No: TBWR469X under Work Order No 11268 Dated 6/21/2016

DATE: 6/21/2016

SIGNED:

Work Order: 11268

James C. Morphew
Certified Repair Station No: TBWR469X

Printed by EBis 3 (datcomedia.com)

DATE: 6/21/2016
A/C TSN: 4005
HOBBS: 4005
No. _____

1 of 1

AIRCRAFT LOG

MAKE: Piper
MODEL: PA-46-350P
S/N: 4636588
REG. NO: N188KC
WORK ORDER: 11292



Turbine Aircraft Services, LLC.

Repair Station No. TBWR469X
7101 Millionaire Drive, Hangar 21
Bethany, Oklahoma 73008
Phone: 405-491-8995

DATE: 7/21/2016
A/C TSN: 414 7
HOBGS: 414 7

ICE

Airframe Entries

- (1) Completed 50 hour inspection using Piper Maintenance Manual P/N 761-876, Chapter Five Inspection Guide dated 15/Dec/2014. As required by Oklahoma Aviation Operations Manual.
- (4) Completed 30 day inspection of hand held fire extinguisher. Model A344, S/N B-02759737 MFG date 2015. Weight check 2 lbs. 7.2 oz.
- (5) Installed 4 new right brake linings P/N 066-06200 and brake insulator P/N 068-01100.
- (6) Installed 4 new left brake linings P/N 066-06200 and brake insulator P/N 068-01100.

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Airworthy for return to service with regard to work performed on this work order. "Pertinent details of the inspection/repair are on file at this Repair Station No. TBWR469X under Work Order No. 11292 Dated 7/21/2016

DATE: 7/21/2016

SIGNED:

James C. Morphew
Certified Repair Station No. TBWR469X

Work Order: 11292

Printed by EBis 3 (datcomedia.com)

1 of 1

Carry Forward



Date: 09/22/2017

Turbo Jet, Inc.

Page 1

Time: 10:47:13

C.A.L.M. Maintenance Tracking Report

Aircraft Tail Number: N188KC

Description: Mirage

Mfr.: PIPER	Model No.: PA-46-350P		Serial No.: 4636588
Hours: 443.80	Cycles 0.00		Last Flight: 05/15/2017

This Report is Ordered By: Time Remaining

Non-Calendar Items

ATA/Item Code	Item/ POS.	Component Name	Part #	Serial #	— Airframe Times —			Component Hours/Cycles			
					Service Life	Installed/Complied/ Completed At	Due At	Since New	Since Overhaul	At Installation	Remaining
		50.0 HR INSPECTION			50.00 IN	443.80	493.80	0.00	N/A	0.00	50.00
		CHANGE ENGINE OIL AND FILTER			50.00 IN	443.80	493.80	0.00	N/A	0.00	50.00
		OIL ANALYSIS			50.00 IN	443.80	493.80	0.00	N/A	0.00	50.00
		TAP TEST PROPELLER			500.00 IN	0.00	500.00	443.80	N/A	0.00	56.20
		TIT PROBE			250.00 RT	269.30	519.30	174.50	N/A	0.00	75.50
		A.D.2011-06-10 TIT PROBE			250.00 RT	269.30	519.30	174.50	N/A	0.00	75.50
		100 HR INSPECTION			100.00 IN	443.80	543.80	0.00	N/A	0.00	100.00
		LUBE PROP			100.00 IN	443.80	543.80	0.00	N/A	0.00	100.00
		AD 2015-19-07 FUEL LINES			100.00 IN	443.80	543.80	0.00	N/A	0.00	100.00
		VACUUM PUMP			600.00 RT	0.00	600.00	443.80	N/A	0.00	156.20
		LYCOMING SB 521			250.00 IN	443.80	693.80	0.00	N/A	0.00	250.00
		LYCOMING SB 531			250.00 IN	443.80	693.80	0.00	N/A	0.00	250.00
		PIPER SB 1204			250.00 IN	443.80	693.80	0.00	N/A	0.00	250.00
		FUEL SYSTEM FLOATS			250.00 IN	443.80	693.80	0.00	N/A	0.00	250.00
		PRESSURE CONTROL GOODRICH			400.00 IN	366.30	766.30	77.50	N/A	0.00	322.50
		VALVE ROCKER LYCOMING			400.00 IN	366.30	766.30	77.50	N/A	0.00	322.50
		GYRO FILTER			500.00 RT	443.80	943.80	0.00	N/A	0.00	500.00
		INDUCTION AIR FILTER			500.00 RT	443.80	943.80	0.00	N/A	0.00	500.00
		WING FUEL SYSTEM			500.00 IN	443.80	943.80	0.00	N/A	0.00	500.00
		MAGNETO LEFT			500.00 IN	443.80	943.80	0.00	N/A	0.00	500.00
		MAGNETO RIGHT			500.00 IN	443.80	943.80	0.00	N/A	0.00	500.00
		GARMIN INSPECTION			500.00 IN	443.80	943.80	0.00	N/A	0.00	500.00
		CABIN PRESS TEST			500.00 IN	443.80	943.80	0.00	N/A	0.00	500.00
		MAGNETO LEFT			1000.00 OH	0.00	1000.00	443.80	443.80	0.00	556.20

Date: 09/22/2017

Turbo Jet, Inc.

Page 2

Time: 10:47:13

C.A.L.M. Maintenance Tracking Report

Aircraft Tail Number: N188KC

Description: Mirage

Mfr.: PIPER	Model No.: PA-46-350P			Serial No.: 4636588
Hours: 443.80	Cycles	0.00	Last Flight: 05/15/2017	

This Report is Ordered By: Time Remaining**Non-Calendar Items**

ATA/Item Code	Item/ POS.	Component Name	Part #	Serial #	— Airframe Times —			— Component Hours/Cycles —			
					Service Life	Installed/Compiled/ Completed At	Due At	Since New	Since Overhaul	At Installation	Remaining
		MAGNETO RIGHT			1000.00 OH	0.00	1000.00	443.80	443.80	0.00	556.20
		HOSES ENGINE			1000.00 RT	0.00	1000.00	443.80	N/A	0.00	556.20
		HOSES GEAR			1000.00 RT	0.00	1000.00	443.80	N/A	0.00	556.20
		COMPOSITE PROP			1000.00 IN	0.00	1000.00	443.80	N/A	0.00	556.20
		FLAP ROLLERS			1000.00 IN	0.00	1000.00	443.80	N/A	0.00	556.20
		AILERON HINGES			1000.00 IN	0.00	1000.00	443.80	N/A	0.00	556.20
		FLAP TRACKS			1000.00 IN	0.00	1000.00	443.80	N/A	0.00	556.20
		SPEED BRAKES			1000.00 IN	0.00	1000.00	443.80	N/A	0.00	556.20
		GSA 8X SERVO			1000.00 IN	366.30	1366.30	77.50	N/A	0.00	922.50
		ENGINE OVERHAUL			1800.00 OH	0.00	1800.00	443.80	443.80	0.00	1356.20
		STARTER			1800.00 OH	0.00	1800.00	443.80	443.80	0.00	1356.20
		ALTERNATOR 1			1800.00 RT	0.00	1800.00	443.80	N/A	0.00	1356.20
		ALTERNATOR 2			1800.00 RT	0.00	1800.00	443.80	N/A	0.00	1356.20
		FUSELAGE INTERIOR			2000.00 IN	0.00	2000.00	443.80	N/A	0.00	1556.20
		PROPELLER OVERHAUL			2400.00 OH	0.00	2400.00	443.80	443.80	0.00	1956.20
		GOVERNOR PROP			2400.00 OH	0.00	2400.00	443.80	443.80	0.00	1956.20
		COMM ANTENNA INSP.			4000.00 IN	0.00	4000.00	443.80	N/A	0.00	3556.20
		SPEEDBRAKE CARTRIDGE			5000.00 OH	0.00	5000.00	443.80	443.80	0.00	4556.20
		ENGINE MOUNT BOLTS			7500.00 RT	0.00	7500.00	443.80	N/A	0.00	7056.20

Date: 09/22/2017

Turbo Jet, Inc.

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Time: 10:47:13

C.A.L.M. Maintenance Tracking Report

Aircraft Tail Number: N188KC

Description: Mirage

This Report is Ordered By: Time Remaining**Calendar Items**

ATA/Item Code	Item/POS.	Component Name	Part #	Serial #	Service Life	Date Last Installed/Compiled/Completed	Date To Be Removed/Completed	Action To Be Taken	Days To Go
		FIRE EXTINGUISHER			30 DY	/ /	/ /	Inspect	0
		LUBE PROP			6 MO	05/23/2017	11/23/2017	Inspect	62
		ATTACH FITTINGS			60 MO	04/18/2013	04/18/2018	Inspect	208
		PUSH RODS			60 MO	04/18/2013	04/18/2018	Inspect	208
		LYCOMING SB 521			12 MO	05/23/2017	05/23/2018	Inspect	243
		LYCOMING SB 531			12 MO	05/23/2017	05/23/2018	Inspect	243
		PIPER SB 1204			12 MO	05/23/2017	05/23/2018	Inspect	243
		CONCORD BATTERY	RG 24-17	405765548	12 MO	05/23/2017	05/23/2018	Inspect	243
		FAR 91.207D ELT			12 MO	05/23/2017	05/23/2018	Inspect	243
		SPEEDBRAKE INSP			12 MO	05/23/2017	05/23/2018	Inspect	243
		VACUUM FILTER			12 MO	05/23/2017	05/23/2018	Retire	243
		AIRBORNE VALVE			12 MO	05/23/2017	05/23/2018	Inspect	243
		STAND BY BATTERY			12 MO	05/23/2017	05/23/2018	Inspect	243
		AD 2015-19-07	FUEL LINES		12 MO	05/23/2017	05/23/2018	Inspect	243
		ANNUAL LUBE CH-12			12 MO	05/23/2017	05/23/2018	Inspect	243
		FIRE EXTINGUISHER			12 MO	05/23/2017	05/23/2018	Inspect	243
		ICA-TANIS HEATER			12 MO	05/23/2017	05/23/2018	Inspect	243
		ANNUAL INSPECTION			12 MO	05/23/2017	05/31/2018	Inspect	251
		GSA 8X SERVO			36 MO	04/08/2016	04/08/2019	Inspect	563
		PROPELLER OVERHAUL			72 MO	04/18/2013	04/18/2019	Overhaul	573
		FIRE EXTINGUISHER			72 MO	04/18/2013	04/18/2019	Overhaul	573
		WING FUEL SYSTEM			24 MO	05/23/2017	05/23/2019	Inspect	608
		FUEL SYSTEM FLOATS			24 MO	05/23/2017	05/23/2019	Inspect	608
		MAGNETIC COMPASS			24 MO	05/23/2017	05/23/2019	Inspect	608

Date: 09/22/2017

Time: 10:47:13

Turbo Jet, Inc.

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C.A.L.M. Maintenance Tracking Report

Aircraft Tail Number: N188KC

Description: Mirage

This Report is Ordered By: Time Remaining**Calendar Items**

ATA/Item Code	Item/POS.	Component Name	Part #	Serial #	Service Life	Date Last Installed/Complied/Completed	Date To Be Removed/Completed	Action To Be Taken	Days To Go
		MAGNETOMETERS GARMIN			24 MO	05/23/2017	05/23/2019	Inspect	608
		STANDBY BATTERY			24 MO	05/23/2017	05/23/2019	Retire	608
		FAR 91.411 AND 413	IFR CERTIFICATIO		24 MO	05/23/2017	05/23/2019	Inspect	608
		ELT BATTERY			82 MO	04/18/2013	02/18/2020	Retire	879
		FUSELAGE INTERIOR			84 MO	04/18/2013	04/18/2020	Inspect	939
		HOSES ENGINE			96 MO	04/18/2013	04/18/2021	Retire	1304
		HOSES GEAR			96 MO	04/18/2013	04/18/2021	Retire	1304
		GOVERNOR PROP			72 MO	04/18/2015	04/18/2021	Overhaul	1304
		FUSELAGE HOSES			120 MO	04/18/2013	04/18/2023	Inspect	2034
		WING HOSES			120 MO	04/18/2013	04/18/2023	Inspect	2034
		AIRBORNE CHECK VALVE			120 MO	04/18/2013	04/18/2023	Retire	2034
		OXYGEN GENERATORS			120 MO	04/18/2013	04/18/2023	Retire	2034
		FIRE EXTINGUISHER			144 MO	04/18/2013	04/18/2025	Retire	2765
		ALTERNATOR 1			144 MO	04/18/2013	04/18/2025	Retire	2765
		ALTERNATOR 2			144 MO	04/18/2013	04/18/2025	Retire	2765
		FLUID HOSES			240 MO	04/18/2013	04/18/2033	Retire	5687

ENGINE MODEL:
TIO-540-AE7A

ENGINE SN L-13954-61A

REG NO N108KC

WORK ORDER 11566



Turbine Aircraft Services, LLC.
Report Station No. TEW99469X
7101 Makarova Drive, Hangar 21
Bartlesville, Oklahoma 74003
Phone 405-491-8995

DATE: 5/23/2017
AC: TIA 443.8
FMS: TT 443.8
TSAK: 443.8
HXAIS: 443.8

Engine Entries

- (2) Completed a 100 hour Engine Inspection with reference to the PA46-350P series Maintenance Manual 100 hour checklist P/N 761-876 Dated December 15, 2014 and utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Aircraft.
- (5) Changed oil and filter. Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Phillips XC 20W50 oil. Engine ground run normal, no leaks noted. Oil sample taken for analysis.
- (6) Checked and adjusted magneto to engine timing. Set left and right magnetos to 20 degrees BTC. Installed new magneto gaskets P/N 649854.
- (7) Installed new induction air filter. P/N P15-1936
- (8) Cleaned, checked gap, tested, rotated, and reinstalled spark plugs using new gaskets. P/N M674
- (9) Compression tested as follows: 1. 78880. 2. 79880. 3. 76880. 4. 78880. 5. 78880. 6. 78880.
- (10) Cleaned fuel screens and leak checked.
- (13) Airworthiness Directive 2015-19-07 Amend: 39-18269 dated Nov 3, 2015 Lycoming fuel lines. Inspected affected fuel lines per para (e)(1)(ii) of this A.D. and Lycoming Service Bulletin 342G installation check list. No defects noted at this time. Fuel lines due inspection again in 100 hours or ACTT: 543.8
- (17) Completed with Lycoming Service Bulletin No. 521 Exhaust 250 hour inspection. No defects noted at this time.
- (18) Completed with Lycoming Service Bulletin No. 531 Exhaust 250 hour inspection. No defects noted at this time.
- (41) Replaced turbo wastegate controller oil line fitting packings P/N MS29512-04 and MS29512-06. Tightened all fittings and leak checked no leaks noted.
- (42) Installed new No. 5 cylinder rocker cover gasket P/N 67193.
- (46) Lycoming Mandatory Service Bulletin 598A. Inspection of exhaust V-band clamps. No affected clamps installed at this time. Ok for further service.
- (53) Installed new spark plug in No. 4 cylinder lower position. P/N RHB36S.
- (54) Installed new spark plug in No. 5 cylinder lower position. P/N RHB36S.
- (58) Cleaned and serviced engine. Performed engine ground run, no fuel or oil leaks noted.

The aircraft and/or component(s) on N108KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found fitworthy for return to service with regard to work performed on this work order. Work details of the engine/aircraft are on the attached Report Station No. TEW99469X under Work Order No. 11566 Dated 5/23/2017

DATE: 5/23/2017

SIGNER:

Michael Hartman
Certified Paper Station No. TEW99469X

Work Order: 11566

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Airframe Entries

Model PA46-350P
Serial No. T-BWRA69X
Reg. No. N1884C
Work Order 11566
Phone 405-491-8995
Bethany, Oklahoma 73008

MANF. P/N
DATE 5/29/2017
HOBBS 443.6
AC TSN 443.6

SN 4626588
REG. NO. N1884C
WORK ORDER 11566
Phone 405-491-8995
Bethany, Oklahoma 73008

(1) Completed an Annual Aircraft Inspection with reference to the PA46-350P series Maintenance Manual 100 hour checklist P/N 761-876 Dated December 15, 2014 and utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Aircraft.

(4) A.D. 2017-Q4-06 United Instruments, Inc. 5834 series altimeters that were manufactured between January 2015 and February 2016. This A.D. not applicable per serial number installed.

(11) Installed new main battery P/N 601-919. S/N 40865379. Battery functional test good. Removed S/N 40576548.

(12) Replaced vacuum filters. P/N B3-5-1.

(14) Completed with FAR 91.207 (d) ELT functional test and inspection. Functional test was done using beacon tester P/N Model BT100AVS SN 6129. ELT P/N 453-6603 S/N 197-14366 installed at this time. ELT battery P/N 452-6499 S/N 357112-056 installed with an expiration date of FEB 2020.

(15) Completed with 30 day inspection/annual weight check of cockpit hand held fire extinguisher. Model A344, S/N B-02759737. MFG 2015, weight 2lbs. 7oz.

(16) Completed annual aircraft lubrication items.

(18) Completed with Piper SB 1204. Operating history of this aircraft has been determined to be "Category I, Normal Usage" at this time.

(20) Completed with Fuel transmitter floats 2 year 500 hour inspection. No defects noted.

(22) Completed magnetic compass 2 year swing check.

(23) Completed 2 year recalibration.

(25) Completed 12 month inspection of the altitude check valve. No defects noted.

(27) Completed with standby ADI battery 12 month cap check. Battery P/N 9015607, S/N D15-10783. Tested using TT43 Battery Charger and Tester. S/N B16-10345. Calibration Due 28APR2018. No defects noted.

(28) Completed new left and right lighting driver kits. P/N 88559-003.

Registration No.

MAKE: Piper
MODEL: PA-46-350P
SN: 4636588
REG. NO: N188KC
WORK ORDER: 11566



Turbine Aircraft Services, LLC.
Repair Station No. TBMW469X
7101 Millionair Drive, Hance 21
Bartuny, Oklahoma 73006
Phone: 405-491-8995

DATE: 5/23/2017
A/C: TBM 443.6
HOURS: 443.6

Avionics Entries

(29) Altimeter systems tests and inspections required by 14 CFR 91.411 have been accomplished with reference to CFR part 43 Appendix E, paragraphs A, B & C. Garmin GDU 1040 (Plot PFD) P/N 011-00972-10, SN 88956900. Garmin GDU 1040 (Copilot PFD) P/N 011-00972-10, SN 88956934. United Instruments Altimeter (Standby) P/N 5934PAD-3, SN 498606. Garmin GDC 74A (#1 ADC) P/N 011-00882-10, SN 20614512. Garmin GDC 74A (#2 ADC) P/N 011-00882-10, SN 20611802. The above systems and components were tested to 25,000' using Laversab model 6300, SN 86167. Calibration due date 12/APR/2018.

ATC transponder tests and inspections required by 14 CFR 91.413 were performed and found to comply with CFR Part 43 Appendix F. Transponder GTX 33 P/N 011-00779-10, SN 10404. Tested using Aeroflex IFR 6000, SN 1000684925. Calibration due date 11/APR/2018.

The aircraft and/or component(s) on N188KC was repaired and/or inspected in accordance with current Federal Aviation Regulations and was found Authority for return to service with regard to work performed on this work order. Pertinent details of the inspection/repair are on file at this Repair Station No. TBMW469X under Work Order No. 11566 Dated 5/23/2017

DATE: 5/23/2017

SIGNED:

Work Order: 11566

Printed by EBIs 3 (datcomedia.com)

Michael Harrison
Certified Repair Station No. TBMW469X

Chapter 43, Appendix E, Altimeter Checkout

LH ADC P/N 011-006882-10	Model SDC-746	SN 20014612	LH Alt P/N 011-006972-10	Model SDCU-1060	SN 00000000	VVO # 11286
RH ADC P/N 011-006882-10	Model SDC-746	SN 20011862	RH Alt P/N 011-006972-10	Model SDCU-1060	SN 00000024	Date 10-May-11
XPNDR #1 P/N 011-007729-10	Model SITX-33	SN 00124502	Sby Alt P/N 2202APAD-3	Model Uniden	SN 498866	Freq # 111885C
Encoder P/N	Model	SN	A/C Name Enter	A/C Model PA-36-250P	AC SN 4925528	

After Effect Test				Scale Error Test / Friction Test								Hysteresis Test							
Tolerance +/- 30 Ft.	LH	RH	Sby	Altitude	Altitude	RH	Friction	RH	Friction	Sby	Friction	RH	Friction	Sby	Friction	50% Tolerance +/- 75 Ft.	50% Tolerance +/- 75 Ft.		
Baro Setting 29.92	Altimeter	Altimeter	Altimeter	Altitude	Altitude	Altimeter	Altimeter	Altimeter	Altimeter	Altitude	Altitude	Altitude	Altitude	Altitude	Altitude	Max Alt	Max Alt		
Initial	1480	1470	1470	-1000	20	-1000	-1000	0	0	0	0	20,000	10,000	12,470	12,490	12,500	12,500		
After Test	1480	1470	1480	0	20	-20	0	500	500	500	500	25,000	12,500	12,470	12,490	12,500	12,500		
Difference	0	0	10	500	20	480	1000	1000	980	70	43,000	22,500	17,500	17,500	17,500	17,500	17,500		
Barometric Scale Error Test				1,500	25	1480	1490	1500	1500	1980	1990	2000	2000	2010	2000	70	45,000	25,000	
Tolerance +/- 25 Ft.				2,000	30	1980	1990	2000	2000	2010	2000	2010	2000	2010	2000	70	50,000	25,500	
Pressure	Altitude	LH	RH	Sby															
In Hg	Dift.	Altimeter	Altimeter	Altimeter	3,000	30	2080	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	2090	
28.10	-1727	-1740	-1730	-1730	4,000	35	3080	3090	3090	3090	3090	3090	3090	3090	3090	3090	3090	3090	
28.50	-1340	-1360	-1340	-1340	5,000	4975	4990	5000	4980	70	5000	4980	70	5000	4980	70	50,000	8,000	
29.00	-863	-880	-870	-860	6,000	40	5975	5990	5990	5990	5990	5990	5990	5990	5990	5990	5990	5990	
29.50	-392	-410	-400	-400	8,000	60	7975	7990	7990	7990	7990	7990	7990	7990	7990	7990	7990	7990	
29.92	0	-20	0	0	10,000	80	9970	9990	9990	9990	9990	9990	9990	9990	9990	9990	9990	9990	
30.50	531	510	530	530	12,000	90	11970	11990	11990	11990	11990	11990	11990	11990	11990	11990	11990	11990	
30.90	893	875	900	890	14,000	100	13970	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	14000	
31.00	974	955	970	970	15,000	14970	14990	14990	14990	14990	14990	14990	14990	14990	14990	14990	14990	14990	
Case Leak Test				16,000	110	15970	15990	15990	15990	17940	17940	17940	17940	17940	17940	17940	1st Equipment Information		
0118.000 Ft.	LH	RH	Sby	18,000	120	17985	17990	17990	17990	19970	19970	19970	19970	19970	19970	19970	Type: Lawman 6300		
Tolerance	Altimeter	Altimeter	Altimeter	20,000	130	19965	19965	19965	19965	21970	21970	21970	21970	21970	21970	21970	Serial #: 88167		
4, -100 Feet	17825	17950	17900	22,000	140	21960	21960	21960	21960	24960	24960	24960	24960	24960	24960	24960	Cal Due: 12-Apr-18		
ATC Pressure Altitude Reporting System Test				25,000	155	24955	24990	24990	24990	24950	130	24950	24950	130	24950	24950	130		
Tolerance +/- 125 Indicated	Dift.	30,000	18000	35,000	20500														
Transponder # 1	10000	0	40,000	23000															
Transponder # 2	18000	18000	45,000	255															
Transponder # 1	25000	25000	50,000	280															
Transponder # 2	0	0	51,000	295															

RED Tolerances are for RVSM capable aircraft only

Technician Signature
Inspector Signature