



*The Standard*

# **AIRCRAFT LOG**

**ASA-SA-2**

# Aircraft Record General Information

Manufacturer Piper Model PA28-140  
Serial 28-7225599 Registration Number N15148  
Date of Manufacture \_\_\_\_\_

## Engine(s) currently installed:

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_  
Manufacturer \_\_\_\_\_ Model \_\_\_\_\_ Serial \_\_\_\_\_

## Propeller(s) currently installed:

Manufacturer \_\_\_\_\_ Model \_\_\_\_\_  
HUB Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_  
Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_  
Blade Model \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_ Serial \_\_\_\_\_

YEAR  
20 \_\_\_\_  
DATE

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

# Description of Inspections, Tests, Repairs and Alterations

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

9/16/11      N15148      TACH 2,891.5

Removed ELT unit, P/N E01, S/N 010824, installed new batteries P/N MN1300 and Inspected ELT in accordance with 14 CFR, Part 91.207 (d)(1)(2)(3)(4). I certify that, with respect to the work performed, this aircraft is airworthy and is approved for return to service. Records are on file at this agency under WO# 63554.

signed Dan J. Bruner for, RS PZ4R458M

Aircraft Specialists, Inc.  
Sellersburg, Indiana



(800) 356-3723  
(812) 246-4696



YEAR 20 _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**Anderson Aircraft Services**  
**282 Airport Rd**  
**Anderson, IN 46017**

**Tail No.: N15148**

**Date: 3/23/2012 Tach: 2894.88**

Performed annual inspection on airframe IAW Piper inspection guide. Opened all interior panels, upholstery, exterior panels, and cowling. Lubricated aircraft IAW lubrication chart. C/W FAR 91.207D par. 1,2,3, and 4 by inspection and ops check of ELT. Battery exp 4/2017. Serviced all wheel bearings with Aeroshell 5 grease. Cleaned and inspected fuel strainer. Replaced pneumatic filter P/N B3-5-1. Replaced wing walk pan P/N 62062-000 and 62063-000 with new. C/W AD 69-22-02r2 by inspection of control wheel assemblies. C/W AD 99-24-10 par B. No defects noted. C/W AD 76-07-12 R1 by inspection and ops check of ignition switch. No defects noted. All AD's checked through this date. See compliance record with log books. All systems ops and leak check good. I certify that this Aircraft has been inspected in accordance with an Annual Inspection and found to be in an Airworthy condition.

**Richard J. McKenney**

**AP2848987IA**

TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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# ALTIMETER/STATIC SYSTEM/TRANSPONDER TESTS and INSPECTIONS

IJA Form 11 Rev. A

AIRCRAFT MAKE: Piper  
 AIRCRAFT MODEL: PA-28-140  
 AIRCRAFT S/N: 28-7225599

AIRCRAFT REGISTRATION: N15148  
 HOURS: 8994.19  
 WORK ORDER: AV177

I certify that the Altimeter and Static System tests and inspections, as required by FAR 91.411, and in accordance with FAR 43, Appendix E, have been performed.

PILOT P/N: <u>United</u>	S/N: <u>5934PA63</u>	TESTED TO: <u>20,000ft</u>
COPILOT P/N: <u>N/A</u>	S/N: <u>N/A</u>	TESTED TO: <u>N/A</u>
ENCODER # 1: <u>ACK A-30</u>	S/N: <u>92759</u>	TESTED TO: <u>20,000ft</u>
ENCODER # 2: <u>N/A</u>	S/N: <u>N/A</u>	TESTED TO: <u>N/A</u>


I certify that the ATC Transponder tests and inspections, as required by FAR 91.413, and in accordance with FAR 43, Appendix F, have been performed.

TRANSPONDER # 1: <u>GTX 327</u>	S/N: <u>83725705</u>
TRANSPONDER # 2: <u>N/A</u>	S/N: <u>N/A</u>

The aircraft, or component(s) identified above was repaired/installed and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service only for work performed. Details of the work are on file at this repair station under W.O. # AV177 on date 4-17-2012

Signature: [Signature]

Date: April 17, 2012

INDY   
 FAA CRS # 1JIR829B

3867 AVIATION WAY

GREENFIELD, IN 46140  
 317-335-3404



YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**Anderson Aircraft Services**  
**282 Airport Rd**  
**Anderson, IN 46017**

**Tail No.: N15148**





**Date: 4/26/2012**

**Tach: 2897.22**

- Removed and replaced aircraft battery with new Gill G-35.

**Eric M. Wilson**

**AP3063927IA**

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL	Description of Inspections, Tests, Repairs and Alterations
				 <p><b>Anderson Aircraft Services</b> 282 Airport Rd Anderson, IN 46017</p>
				<p><b>Tail No.: N15148      Date: 6/01/2012      Tach: 2912.81</b></p> <p>Removed and replaced left wheel pant bracket assembly with new P/N: 63370-005.</p> <p>  <b>Eric M. Wilson</b> <span style="float: right;"><b>AP3063927IA</b></span></p>
				 <p><b>Anderson Aircraft Services</b> 282 Airport Rd Anderson, IN 46017</p>
				<p><b>Tail No.: N15148      Date: 7/24/2012      Tach: 2943.7</b></p> <p>Removed and replaced right main tire with new Condor 06-08020. Removed and replaced right and left fuel tank drains with new CCA-1550. Serviced left main strut with 5606 hydraulic fluid and nitrogen.</p> <p>  <b>Eric M. Wilson</b> <span style="float: right;"><b>AP3063927IA</b></span></p>

YEAR  
20  
DATE

REC  
TAC  
TIM



**Anderson Aircraft Services**  
**282 Airport Rd**  
**Anderson, IN 46017**

**1d Alterations**  
cate Number of  
specific entries.)

**Tail No.: N15148**

**Date: 8/22/2012 Tach: 2951.5**

- Rebuilt both pilot master cylinders.
- Rebuilt parking brake valve.
- Replaced o-ring in RH brake caliper.
- Replaced LH brake caliper housing with new and assembled with new seals.
- Serviced brake system with new 5606 fluid and bled.
- Brake check good.
- Serviced both main struts with new fluid and nitrogen.
- Installed Aerospace logic EGT system IAW STC#ST01700NY.
- EGT system S/N ASL010022.
- Updated aircraft weight and ballance.
- See FAA form 337 this date.

**Richard J. McKenney**

**AP2848987IA**



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**Anderson Aircraft Services**  
**282 Airport Rd**  
**Anderson, IN 46017**

**Tail No.: N15148**

**Date: 10/25/2012 Tach: 2973.00**

Removed and replaced bent clevis pin on cabin door lock assembly with new. Removed and replaced left main and nose tire with new Condor 6.00-6 tires. Removed and replaced throttle cable with new MC455-353. Sent right fuel tank out for repair to Woodstock Aircraft Services. See Woodstock Aircraft Service invoice #322302 for further details. Completed form 337 for fuel tank repair. Removed and replaced fuel sender gasket with new. Replaced tank nipple with new. Repaired right carburetor heat exhaust shroud. Removed and replaced carburetor scat tube with new. Installed Reiff Turbo XP Preheater P/N: TXPL4 with oil cooler heater P/N: OC. Weight and balance negligible. Painted right fuel tank, inboard bottom right wing, right gear leg fairing, all wheel pants, and wing tips.

**Eric M. Wilson**

**AP3063927IA**

YEAR 20 ____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**Anderson Aircraft Services**  
**282 Airport Rd**  
**Anderson, IN 46017**

**Tail No.: N15148**

**Date: 5/3/2013**

**Tach: 3025.45**

Performed annual inspection on airframe IAW Piper inspection guide. Opened all interior panels, upholstery, exterior panels, and cowling. Lubricated aircraft IAW lubrication chart. C/W FAR 91.207D par. 1,2,3, and 4 by inspection and ops check of ELT. Battery exp 4/2017. Serviced all wheel bearings with Aeroshell 5 grease. Cleaned and inspected fuel strainer. Replaced pneumatic filter P/N B3-5-1. Replaced hobbs pressure switch with new. Adjusted LH flap for level flight. C/W AD 69-22-02r2 by inspection of control wheel assemblies. C/W AD 99-24-10 par B and C. No defects noted. C/W AD 76-07-12 R1 by inspection and ops check of ignition switch. No defects noted. C/W AD2013-02-13 by inspection. No defects noted. All AD's checked through this date. See compliance record with log books. All systems ops and leak check good. I certify that this Aircraft has been inspected in accordance with an Annual Inspection and found to be in an Airworthy condition.

**Richard J. McKenney**

**AP2848987IA**



YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**Anderson Aircraft Services**  
**282 Airport Rd**  
**Anderson, IN 46017**

**Tail No.: N15148**

**Date: 5/23/2013 Tach: 3028.87**

Removed and replaced O-rings in engine primer with new P/N: MS29513-012. Ops check good.

**Eric M. Wilson**

**AP3063927IA**

## Repairs and Alterations

and Certificate Number of  
as for other specific entries.)

**Tach: 3043.8**

Removed and replaced tachometer with overhauled unit P/N: D112-5023 S/N: 22180. Overhauled unit reads current tach, no change. Removed and replaced true airspeed with overhauled unit P/N: 8100 S/N: 32434. Removed and replaced turn coordinator with overhauled unit P/N: 1394T100-3(5) S.N 754-605. Ops check good.

Erin M. L...

**AP30639271A**

[illegible]



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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ALTIMETER/STATIC SYSTEM/TRANSPONDER TESTS AND INSPECTIONS GA Form 8 Rev. Original

AIRCRAFT MAKE:	<u>Piper</u>	AIRCRAFT REGISTRATION:	<u>N15148</u>
AIRCRAFT MODEL:	<u>PA28-140</u>	HOURS:	<u>9140.8</u>
AIRCRAFT S/N:	<u>28-7225599</u>	WORK ORDER:	<u>AV 010</u>

Performed static system leak check in accordance with FAR 43, Appendix E(2). System leak rate -13Ft.

The aircraft identified above was repaired/inspected in accordance with current regulations of the Federal Aviation Administration, and was determined airworthy and approved for return to service with respect to the work performed. Details of the work are on file at this repair station under W.O. # AV 010.

Signature:  ORS Number: 2GHR069P

GROH AVIATION, LLC  
FAA CRS # 2GHR069P

799 EAST COUNTY LINE ROAD

GREENWOOD, IN 46143  
317-727-9881

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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ALTIMETER/STATIC SYSTEM/TRANSPONDER TESTS AND INSPECTIONS GA Form 8 Rev. Original

AIRCRAFT MAKE: PIPER  
AIRCRAFT MODEL: PA28-140  
AIRCRAFT S/N: 28-7225599

AIRCRAFT REGISTRATION: N15148  
HOURS: AV 053  
WORK ORDER: AV 053

I certify that the Altimeter and Static System tests and inspections, as required by FAR 91.411, and in accordance with FAR 43, Appendix E, have been performed.

PILOT P/N: <u>5934P</u>	S/N: <u>96429</u>	TESTED TO: <u>20,000ft</u>
COPILOT/STBY P/N: <u>N/A</u>	S/N: <u>N/A</u>	TESTED TO: <u>N/A</u>
ENCODER # 1: <u>A-30</u>	S/N: <u>A-92759</u>	TESTED TO: <u>20,000ft</u>
ENCODER # 2: <u>N/A</u>	S/N: <u>N/A</u>	TESTED TO: <u>N/A</u>

I certify that the ATC Transponder tests and inspections, as required by FAR 91.413, and in accordance with FAR 43, Appendix F, have been performed.

TRANSPONDER # 1: GTX 327 S/N: 83725705  
TRANSPONDER # 2: N/A S/N: N/A

The aircraft identified above was repaired/inspected in accordance with current regulations of the Federal Aviation Administration, and was determined airworthy and approved for return to service with respect to the work performed. Details of the work are on file at this repair station under W.O. # AV 053

Signature: [Signature]

Date: 04/15/2014

GROH AVIATION, LLC  
FAA CRS # 2GHR069C

799 EAST COUNTY LINE ROAD

GREENWOOD, IN 46143  
317-727-9881



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**Anderson Aircraft Services**  
**282 Airport Rd**  
**Anderson, IN 46017**

**Tail No.: N15148**

**Date: 04/15/2014 Tach: 3066.7**

Completed Annual inspection on this Airframe. Complied with FAR 91.207 D 1-4  
 ELT inspection, battery next due March 2017. Cleaned fuel strainer, inspected and  
 reassembled. Cleaned screen in electric fuel pump. Serviced tires and repacked  
 wheel bearings. Lubed aircraft I/A/W lube chart. Checked cable tensions and trav-  
 els. Serviced and charged battery. Serviced brake reservoir. Removed and replaced  
 instrument air filter with new RAB3-5-1. Removed and replaced left main tire and  
 tube with new. Removed and replaced left and right brake linings with new. C/W  
 AD76-07-12R1 ignition switches by inspection and functional check, no defects  
 noted. C/W AD69-22-02 Control wheel failure by inspection, no defects noted. C/W  
 AD99-24-10 Precise flight STBY vac system check by paragraphs b(1)(2) c(2). I  
 certify the airframe has been inspected I/A/W a Annual Inspection and was found to  
 be in an airworthy condition.

**Eric M. Wilson**

**AP3063927IA**

[illegible]





YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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\*\*\*\*\***MUNCIE AVIATION COMPANY C.R.S. # AJVR135C**\*\*\*\*\*

Reg. Mark	Date	Tach	Make: <u>Piper</u> Ser. No.: <u>28-722559</u>
N15148	9/1/2015	3201.2	Model: <u>PA-28-140</u> Reg. Mark: <u>N15148</u>

Removed SL30, 106A, and GTX327.  
Installed Narco Escort II NAV/COM IAW  
Installation Manual P/N 03119-0620.  
Installed AT150 Transponder IAW  
Installation manual P/N 03606-0620.  
All systems mentioned in this logbook  
entry ramp checks good. Weight and  
balance/equipment list has been updated.  
The transponder has been tested as  
required by 91.413 and was found to comply with the limits set in FAR 43 appendix F.

The aircraft / component identified above was repaired and  
inspected in accordance with current Regulations of the  
Federal Aviation Administration and found airworthy, and  
is approved for return to service for work performed.  
Pertinent details of the repair are on file at the Agency.  
Work Order No.: A003555 Date: 09-01-2015  
Signed:  Inspector for  
MUNCIE AVIATION COMPANY C.R.S.#AJVR135C  
MUNCIE, IN 47303-9778 (765) 289-7141 

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

I certify that the transponder has been tested as required by 91.413. Unit was found to comply with  
the limits set in FAR 43, Appendix F. Aircraft Tach: 3201.2 Reg. Mark: N15148  
Transponder: Mfg Narco Model AT150 S/N 29788  
Details of the inspection are on file at this C.R.S. under W.O. No.: A003555  
Date: 09-01-2015 Signature: 

CERTIFIED REPAIR STATION # AJVR135C

MUNCIE AVIATION COMPANY

MUNCIE, INDIANA

47303-9778


PLEASE PLACE IN AIRCRAFT LOGBOOK.



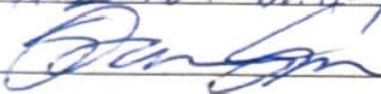


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11-22-15	3211.7		Engine time	<p>Installed Gill G-35 Batt, installed all New oil Lines, fuel Lines, fire wall to Engine Rancap and ops check Good - No leak</p> <p>Removed LER Brake Lines due to stiffness</p> <p>Re Placed with New Tag Lines, Removed and Re built Hand Brake master cylinder due to air Leak and ops check Hold Aircraft still its <del>1800</del> 1800 AM. RTS</p> <p><i>[Signature]</i> 2672187H</p>



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4/20/16	3221.5	E. Knott	1282.96	<p>Performed an Annual inspection on 711's Aircraft            C1W FAR 71.207P (DAF Ep March 17)            C1W AD 99-24-10 Stand By Vac - No defects            Replen vac filter B35-1, Open all Panels            and Lubricated all Pillar Hinges, cables.            I certify that this Airframe has been            inspected and is in Annual inspection and found            to be in Airworthy condition at this time.</p> <p>2672187 APL  <i>[Signature]</i></p>

YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<div data-bbox="861 408 1732 562">  <b>JADE AIR LLC 410-491-4874</b>  <b>MARTIN STATE AIRPORT (MTN)</b>  <b>BALTIMORE, MD</b>  <b>FAA CRS# 4JAR590C</b> </div> <p>LOGBOOK ENTRY: N15148 7/12/16 WO# 2 3221.0 TACH</p> <p>I CERTIFY THAT THE ALTIMETER AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 IN ACCORDANCE WITH FAR 43 APPENDIX E.</p> <p>ALTIMETER TESTED TO: <u>20,000 FT.</u></p> <p>ALT. REPORTING TESTED TO: <u>20,000 FT.</u></p> <p>PITOT/STATIC SYSTEM LEAK CHECKS: <u>PASSED</u></p> <p>ALTIMETER PN: <u>5934P</u> SN: <u>C6429</u></p> <p>PERFORMED ATC TRANSPONDER TEST REQUIRED BY FAR 91.413. TRANSPONDER TESTED PER FAR 43, APPX. F. ALTITUDE CORRESPONDENCE EQUIPMENT TESTED PER REQUIREMENTS OF FAR 43 APPX. E, PARA. (A) AND (C).</p> <p>TRANSPONDER MODEL: <u>AT 150</u> SN: <u>29788</u></p> <p>SIGNATURE: <u><i>Demick Davis</i></u></p>



YEAR 20 <u>17</u> DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
4/1/28	Tach 3250.4			Replaced ELT batteries and tested ELT IAW FAR 91.207d. Battery expiration 3/2021.  AP3721189
6/22/17	Tach: 3257.8 AFTT: 9354.25			Performed annual inspection IAW FAR 43 app. D. Inspected & tested all flight controls. Tested & inspected ECT per 91.207d. BATT exp. 3/21. Treated wings w/ ACF50. No defects noted. c/w AD-62-22-02 by visual inspection of boom yokes. next due at Tach 3357.8. I certify this airplane was inspected IAW Annual Inspection & was found to be in airworthy condition at this time.  AP3721189IA
8/8/17	Tach 3255.4			Replaced pilots side window in new window.  AP3721189IA





YEAR 20 \_\_\_\_\_  
DATE \_\_\_\_\_

RECORDING TACH TIME \_\_\_\_\_

TODAY'S FLIGHT \_\_\_\_\_

TOTAL TIME IN SERVICE \_\_\_\_\_

# Description of Inspections, Tests, Repairs and Alterations

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

## IFR CERTIFICATION

PILOT CONTROL SERVICES CRS # OFHR414L  
5850 N AIRPORT RD MILTON FL 32563

ALL TESTING IN ACCORD WITH FAR PART 43 SPX A & F

CASE LEAK 0  
HYSTERESIS 40% 10  
HYSTERESIS 50% 15  
AFTER EFFECT 5

### BARO SCALE ERROR

28.10 - 1725  
28.50 - 1325  
29.00 - 875  
29.50 - 375  
29.92  
30.50 + 530  
30.90 + 890  
30.99 + 380

### ENCODER ERROR

ALT READS ENCODER READS  
1300 -20  
2600 -20  
6800 -30  
14500 -55  
20000 -40  
30700  
50000

## TRANSPONDER

REPLY FREQ 1090 POWER 210  
90% REPLY? OK SLS OK MTL -73

AUTHORIZED SIGNATURE *Dan Smith*

DATE OF TESTING 03/31/2018



ALTITUDE	LIMIT	ERROR	FIGURE
-1000	20	-5	
0	20	-5	
500	20	0	
1000	20	0	25
1500	25	+5	
2000	30	0	20
3000	30	0	20
4000	35	-5	
5000			25
6000	40	-15	
8000	60	-15	
10000	80	-15	25
12000	90	-20	
14000	100	-30	
15000			25
16000	110	-40	
18000	120	-60	
20000	130	-45	25
22000	140		
25000	150		
30000	180		
35000	200		
40000	230		
45000	255		
50000	280		

FOR DUAL ALTIMETER SYSTEM PILOT'S  
ALTITUDE ERROR IS RECORDED FIRST

15148

[illegible]



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	<b>Description of Inspections, Tests, Repairs and Alterations</b> Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p><b>TRANSPONDER CERTIFICATION LOGBOOK ENTRY</b>  <b>THIS TRANSPONDER WAS TESTED AS REQUIRED BY FAR</b>  <b>PART 91.413 (a) AND FOUND TO BE WITHIN THE LIMITS</b>  <b>SPECIFIED IN FAR PART 43 APPENDIX F.</b></p> <p>DATE <u>7/9/2019</u> S/N <u>079438</u></p> <p>TYPE <u>ESG</u> INSPECTOR <u>Dan Fawcett</u></p> <p>  <b>FLIGHT CONTROL SERVICES</b>            CERTIFIED REPAIR STATION #0FHR414L            5550 N AIRPORT RD (2R4)            MILTON, FL 32583 (850) 665-2130 <a href="http://transponderrepair.com">transponderrepair.com</a>  </p> <p><b>N15148 PIPER PA-28-140</b></p> <p>Avionics installation: removed NARCO AT-150 Installed Appareo ESG Mode S transponder in same position as removed item. Installed RAMI AVI-801 antenna Interfaced to existing Mode C encoder and transponder antenna. ESG transponder bench tested and found to comply with the first paragraph of FAR 43 apx F, as required by FAR 91.413. Ground test normal using Mode A/C/S ramp tester. All work IAW manufacturers latest specifications, STC #SA04112CH and applicable FAR's. W&amp;B Negl. See 337 and equipment list this date.</p> <p> <u>3302</u> <u>7/9/19</u>            Tach Time Date         </p>



YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
9-9-19	Tach!	3302.3	A.t.t. 9399.3	Performed an annual inspection on this airframe using FAR 43 appendix D as a guide. Replaced left brake linings P/N RA066-10500. Replaced induction air filter P/N BA-3. A.D. <sup>s</sup> checked to date. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. Don <del>Thompson</del> A.P.3647522 TA
4-9-20	Tach!	3308.2		Removal in-op alternator and installed O/H unit from falcon Aero. Ops checked normal. Don <del>Thompson</del> A.P.3647522



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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10-18-20	Tach: 3312.9	Ait.t. 9409.9		<p>Performed an annual inspection on this airframe using FAR 43 appendix D as a guide. C/U A.D. 76-87-12R1 by ops check of bendix ignition switch. C/U A.D. 69-22-02 by inspection of control wheels. ELT inspected IAW FAR 91.207(d) battery due March 2021. A.D. checked to date. I certify that this airframe has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.</p> <p><i>Don't fly</i> AIP 3647522TH</p>
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[illegible]



YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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## IFR CERTIFICATION

FLIGHT CONTROL SERVICES CRS # OFHR414L  
5550 N. AIRPORT RD MILTON FL 32583  
(850) 665-2130

ALL TESTING IS ACCORD WITH FAR PART 41.413 & 41.414

CASE LEAK @ 18K FT.  $\phi$  FOR 1 MINUTE  
HYSTERESIS 50% + 30 40% + 30  
AFTER EFFECT + 10 AFTER 5 MINUTES

### BARO SCALE ERROR

28.10 - 1715  
28.50 - 1345  
29.00 - 870  
29.50 - 385  
29.92 - 0  
30.50 + 540  
30.90 + 890  
30.99 + 980

### ENCODER ERROR

ALT. SCALE ENCODER SCALE  
1300 - -20  
2600 - -20  
6800 - -30  
14800 - -70  
20000 - -60  
30700 - X  
50000 - X

## TRANSPONDER TESTS

REPLY FREQ ☒ MTL TEST ☒ MODE A ☒  
90% REPLY? ☒ SLS TEST ☒ MODE C ☒  
SUPPRESSION ☒ POWER ☒ MODE S ☒

AUTHORIZED SIGNATURE

DATE OF TESTING

04/20/21

☐ FOR DUAL ALTIMETER SYSTEM PILOT'S  
ALTITUDE ERROR IS RECORDED FIRST

ALTITUDE	LIMIT	ERROR	FRICTION
-1000	20	-5	
0	20	-5	
500	20	-5	
1000	20	-5	20
1500	25	$\phi$	
2000	30	-5	20
3000	30	-10	25
4000	35	-15	
5000			30
6000	40	-15	
8000	60	-20	
10000	80	-25	30
12000	90	-30	
14000	100	-40	
15000			35
16000	110	-40	
18000	120	-75	
20000	130	-105	30
22000	140		
25000	155		
30000	180		
35000	205		
40000	230		
45000	255		
50000	280		

AIRCRAFT REG NUMBER

N16148

IFR CERTIFICATION - LOGBOOK ENTRY  
DATE 4/20/2021 REG# N15148

I CERTIFY THAT THE ALTIMETER, STATIC & TRANSPONDER  
SYSTEM CHECKS REQUIRED BY FARs 91.411 & 91.413 HAVE  
BEEN PERFORMED. THE ALTIMETER HAS BEEN TESTED TO:

20,000 FT. AUTHORIZED SIGNATURE [Signature]

TESTING BY: FLIGHT CONTROL SERVICES CRS# OFHR414L  
5550 N AIRPORT ROAD  
MILTON, FL 32583



YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

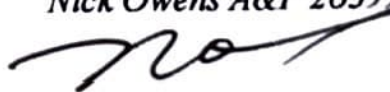
**Tail #N15148 Champion Flyers of Alabama – Shelby Co. Airport (KEET)**

**DATE: 09/23/2021 TACH: 2328.6 HOBBS: 1790.9**

- Replace battery with Gill G-35 battery (S/N: G03125312).
- Replace right wing fuel drain valve with Curtis CCA-1550 drain valve.

*I certify this AIRFRAME has been repaired IAW applicable FAA and/or manufacturers technical information and the above repair is airworthy at this time.*

*Nick Owens A&P 2639932*



**Tail # N15148 Champion Flyers of Alabama – Shelby Co. Airport (KEET)**

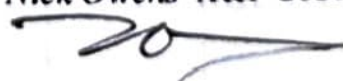
**DATE: 12/15/2021 TACH: 3330.3 HOBBS: n/a AFTT: 9427.3**

Performed Annual AIRFRAME inspection IAW AC43.13-1B, appendix D inspection check list. Open airframe, inspect & lube control system & hinges, service landing gear, and inspect brakes. Inspect & repack all wheel bearings. See attached AD list dated 12/2021 for compliance.

- Perform ELT inspection IAW FAR 91.207(d). **BATTERY NEXT DUE: 03/2025.**
- C/W AD 2020-24-05, no corrosion, damage, or defects noted.

*I certify this AIRFRAME has been inspected IAW an Annual inspection and is airworthy at this time.*

*Nick Owens A&P 2639932 IA*





YEAR  
20  
DATE

**Tail #N15148 Champion Flyers of Alabama - Shelby Co. Airport (KEET)**

**DATE: 01/14/2022 TACH: 3331.6 HOBBS: 1795.3**

- Installed new B-00331-12 voltage regulator (S/N: 80W23613).

*I certify this AIRFRAME has been repaired IAW applicable FAA and/or manufacturers technical information and the above repair is airworthy at this time.*

*Nick Owens A&P 2639932*

**Tail #N15148 Champion Flyers of Alabama - Shelby Co. Airport (KEET)**

**DATE: 09/27/2022 TACH: 3336.1 HOBBS: 1800.9**

- Replace beacon light with new Whelen 01-0790520-51B beacon assembly (S/N: 730022). Ops check good.

*I certify this AIRFRAME has been repaired IAW applicable FAA and/or manufacturers technical information and the above repair is airworthy at this time.*

*Nick Owens A&P 2639932*

**Tail #N15148 Champion Flyers of Alabama - Shelby Co. Airport (KEET)**

**DATE: 02/22/2023 TACH: 3337.5 HOBBS: 1803.2**

- Removed carpet, seats, and side panels. Replace seat upholstery with Airtex seat upholstery base DL-1 standard charcoal and DT-99 ghastly gray trim. Replace panels with Airtex DT-99 ghastly gray wall panels. Replaced carpet with Airtex DT-99 ghastly gray flint carpet. Door seal welts also replaced with Airtex DT-99 ghastly gray.
- Installed used but serviceable 62838-00 elevator trim knob.

*I certify this AIRFRAME has been repaired IAW applicable FAA and/or manufacturers technical information and the above repair is airworthy at this time.*

*Michael Carpenter A&P 3260064*

*m* *WA* *3260064sp*

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YEAR  
20  
DATE

RECORDING  
TACH  
TIME

TODAY'S  
FLIGHT

TOTAL  
TIME IN  
SERVICE

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

**F.A.A. - P.M.A.  
AIRTEX PRODUCTS, INC.**

NUMBER

126390

1408

PART  
PART  
PART  
PART  
PART  
PART  
PART  
PART  
PART  
PART

X

CARPET  
COWL PAD  
CUSHION UPHOLSTERY  
HEADLINER  
WALL PANELS  
BAGGAGE COMPARTMENT  
FIREWALL COVER  
SEAT SLINGS  
HAT SHELF PAD

ELIGIBILITY

1972 PIPER PA28-140

**F.A.A. - P.M.A.  
AIRTEX PRODUCTS, INC.**

NUMBER

126390

810

PART  
PART  
PART  
PART  
PART  
PART  
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PART  
PART

X

CARPET  
COWL PAD  
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HEADLINER  
WALL PANELS  
BAGGAGE COMPARTMENT  
FIREWALL COVER  
SEAT SLINGS  
HAT SHELF PAD

ELIGIBILITY

1972 PIPER PA28-140

NUMBER

126390

**F.A.A. - P.M.A.  
AIRTEX PRODUCTS, INC.**

ELIGIBILITY

1972 PIPER PA28-140

PART		CARPET
PART		COWL PAD
PART		CUSHION UPHOLSTERY
PART	X	HEADLINER
PART		WALL PANELS
PART		BAGGAGE COMPARTMENT
PART		FIREWALL COVER
PART		SEAT SLINGS
PART		HAT SHELF PAD



**Tail # N15148 Champion Flyers of Alabama - Shelby Co. Airport (KEET)**  
**DATE: 03/27/2024 TACH: 3339.0 HOBBS: 1805.7 AFTT: 9436.0**

Performed Annual AIRFRAME inspection IAW AC43.13-1B, appendix D inspection check list. Open airframe, inspect and lubricate control system & hinges, inspect landing gear, and inspect brakes. See attached AD list dated 03/2024 for compliance.

- Perform ELT inspection IAW FAR 91.207(d). Replaced Duracell D batteries due to leakage. Next due: 06/2028.
- Replaced FEP42370 fuel filter.
- Replaced both fuel cap gaskets with new 66815-00 gaskets.

*I certify this AIRFRAME has been inspected IAW an Annual inspection and is airworthy at this time.*

Nick Owens A&P/IA 2639932

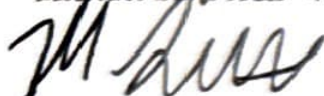


**Tail #N15148 Champion Flyers of Alabama - Shelby Co. Airport (KEET)**  
**DATE: 11/14/2023 TACH: 3339.0 HOBBS: 1805.6**

- Re-seal right brake caliper with MS28775-222 o-ring.

*I certify this AIRFRAME has been repaired IAW applicable FAA and/or manufacturers technical information and the above repair is airworthy at this time.*

Michael Sims A&P 4750145



**TRANSPONDER CERTIFICATION LOGBOOK ENTRY**  
THIS TRANSPONDER WAS TESTED AS REQUIRED BY FAR PART 91.413 (a) AND  
FOUND TO BE WITHIN THE LIMITS SPECIFIED IN FAR PART 43 APPENDIX F.

DATE 4/18/2023 S/N 079438

TYPE ESG

INSPECTOR 



**FLIGHT CONTROL SERVICES**  
CERTIFIED REPAIR STATION #0FHR414L  
(850) 665-2130



N15148

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**Tail # N15148 Champion Flyers of Alabama – Shelby Co. Airport (KEET)**

**DATE: 03/27/2024 TACH: 3339.0 HOBBS: 1805.7 AFTT: 9436.0**

Performed Annual AIRFRAME inspection IAW AC43.13-1B, appendix D inspection check list. Open airframe, inspect and lubricate control system & hinges, inspect landing gear, and inspect brakes. See attached AD list dated 03/2024 for compliance.

- Perform ELT inspection IAW FAR 91.207(d). Replaced Duracell D batteries due to leakage. Next due: 06/2028.
- Replaced FEP42370 fuel filter.
- Replaced both fuel cap gaskets with new 66815-00 gaskets.

*I certify this AIRFRAME has been inspected IAW an Annual inspection and is airworthy at this time.*

Nick Owens A&P/IA 2639932



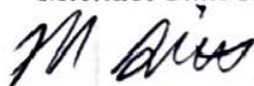
**Tail #N15148 Champion Flyers of Alabama – Shelby Co. Airport (KEET)**

**DATE: 08/14/2024 TACH: 3339.5 HOBBS: 806.7**

- Removed and replaced vacuum pump with new Rapco RAP215CC vacuum pump (S/N: on A82246).

*I certify this AIRFRAME has been repaired IAW applicable FAA and/or manufacturers technical information and the above repair is airworthy at this time.*

Michael Sims A&P 4750145





YEAR 20____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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**Tail #N15148    Champion Flyers of Alabama – Shelby Co. Airport (KEET)**

**DATE: 12/18/2024    TACH: 3340.7    HOBBS: 1808.7**

- Removed and replaced nose tire and tube with new Air Hawk 600x6 6 ply tire and 6.00-6 tube.

*I certify this AIRFRAME has been repaired IAW applicable FAA and/or manufacturers technical information and the above repair is airworthy at this time.*

*Michael Sims A&P 4750145*

*M Sims*