

ACR ELECTRONICS, Inc.
Artex Products - CAGE Code 18560
Fort Lauderdale, FL 33312

LOG BOOK ENTRY

4-16-2020

E.L.T. BATTERY

REPLACEMENT DATE

May 2022

AIRCRAFT LOG



AIRCRAFT LOG

PIPER AIRCRAFT, INC.

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

AirVart.com
AIRCRAFT SALES & BROKERAGE

N3098H

Aircraft
Registration number

Part No. 230715

AIRCRAFT DESCRIPTION

Registration No. N3098H

Model: PA-32R-301T Popular Name: SARATOGA IITC

Serial No. 3257478 Type Certificate No.: A3SO

Colors: PG294 MATTERHORN WHITE / PI230 DARK BLUE MET. & PI164 RUBY MET. / PI183 LAS VEGAS GOLD MET.

Engine Manufacturer: LYCOMING Serial Numbers: Single 1-12842-61A

Original Engine Model: TIO-540-AH1A Left _____

Right _____

Propeller Manufacturer: HARTZELL Hub or Serial Number: Single HK1351B

Original Propeller Model: HC-I3YR-1RF Left _____

Right _____

Blade Numbers

Left

Right

K58803

K58804

K58805

2008 MODEL

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.
All applicable Federal Aviation Administration Airworthiness Directives, through Bi-Weekly <u>2007-20</u> , have been complied with at the time of manufacture. Signed: <u>John S. Hambleton</u> ODARF-511281-CE		9.5	OCT 12 2007	
John S. Hambleton PIPER AIRCRAFT INC.				

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
OCT 12 2007	Brought Forward →	9.5		I find that the aircraft meets the requirements for the certification requested and have issued a Standard Airworthiness Certificate.
				The Altimeter and Static System Test required by FAR 91.411 have been performed. The altimeter(s) have been tested:
				On (Pri) 9-14-07 (Sec) 7-11-07
				55,000 ft 20,000 ft
				The ELT is installed per FAR 91.207. Battery Replacement date: AUG 2012
				Dated: OCT 12 2007
				John S. Hambleton
				ODARF-511281-CE Piper Aircraft, Inc. Vero Beach, Florida
				John S. Hambleton
Total To Carry Forward		9.5		

Registration No. N/3098H

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 S/N 89105080		
2. Make N/A Model N/A S/N N/A		
Details of this inspections are on file at this facility under:		
ACFT S/N 3257478 Date 9-20-07		
The Automatic Pressure Altitude Reporting Equipment Test required by FAR Part 91.217 have been performed this date: 9-20-07		
John S. Hambleton		
John S. Hambleton ODARF-511281-CE Piper Aircraft, Inc. Vero Beach, Florida		

AIRCRAFT LOG

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

MAKE: Piper
MODEL: PA32R-301T
S/N: 3257478
REG. NO: N3098H
WORK ORDER:
308-10-2007

Piper Aircraft, Inc.
Repair Station No. ZPAR410X
2926 Piper Drive
Vero Beach, FL 32960
Phone: 772-567-4361 ext 2671

DATE: 10/25/2007
A/C TSN: 9.5
HOBBS: 9.5

Airframe Entries

Removed battery s/n G 02340446 and installed new battery p/n 450-101 s/n G 2340451 per Piper M/M 24-30-00. Operational check of battery acceptable.

Maintenance Release

The aircraft and/or component(s) on N3098H was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 308-10-2007, Dated 10/25/2007.

DATE: 10/25/2007
MAKE: Piper
MODEL: PA32R-301T
S/N: 3257478
REG. NO: N3098H
WORK ORDER:
309-10-2007

SIGNED: *Jon R. Swanson*
Piper Aircraft, Inc.
Repair Station No. ZPAR410X
2926 Piper Drive
Vero Beach, FL 32960
Phone: 772-567-4361 ext 2671

Work Order: 308-10-2007

DATE: 10/26/2007
A/C TSN: 10.1
HOBBS: 10.1

Found baggage door annunciator micro switch loose. Tightened switch and verified correct operation of annunciator light....
Adjusted mixture cable per Piper M/M 76-10-00 to allow lockout to function freely. Operation acceptable.

Maintenance Release

The aircraft and/or component(s) on N3098H was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. 309-10-2007, Dated 10/26/2007.

DATE: 10/26/2007

SIGNED: *Jon R. Swanson*

Work Order: 309-10-2007

Printed by EBis 3 (datcomedia.com)



INTERNATIONAL AIRPORT
P.O. BOX 35126 DES MOINES, IA 50315-0302
Telephone (515) 256-5300 FAX (515) 256-5359

10/31/2007

Piper N 3098H

S/N 3257478 A/C Hobbs 20.5

Repaired skywatch power ground connection.

The aircraft, airframe, aircraft engine, propeller, or appliance listed above, was inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under **Work Order # 27868**.

Date Signed 10/31/2006

Jon R. Swanson
Jon R. Swanson
(Circular stamp: 10/31/06)

Des Moines Flying Service, Inc.
CRS G9CR485J

To
Ca

DMFS

DES MOINES FLYING SERVICE, INC.



INTERNATIONAL AIRPORT
P.O. BOX 35126 DES MOINES, IA 50315-0302
Telephone (515) 256-5300 FAX (515) 256-5537

enance

April 4, 2008
Tach / Hobbs 46.9
Engine TIO-540-AH1A

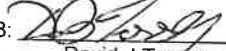
Piper PA32R-301T
Total Time 46.9
SN L-12842-61A

N 3098H
S/N 3257478
Total Time 46.9

Complied with Precision Airmotive SB PRS-107 dated 21 March, 2008 and Emergency AD 2008-06-51 dated 12 March, 2008 by inspection of fuel injection servo plug for security. Plug found secure with safety wire attached. Next inspection due at next oil change or 96.9 hours whichever occurs sooner.

Adjusted manifold pressure IAW Piper PA32-301T MM. Complied with Piper SL 1108 dated 4 March 2008 Manifold Pressure Transducer Failures by inspection of Manifold Pressure indication. Found within .3 of actual ambient pressure. No defects noted.

The aircraft, airframe, aircraft engine, propeller, or appliance identified above, was repaired and was inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order No 16703 Date 07 March 2008

Date Signed 04/07/2008: 
David J Tesser

Des Moines Flying Service, Inc., FAA CRS G9CR485

Total
Carr



and Remarks

Signature

Certificate No.

DMFS

DES MOINES FLYING SERVICE, INC.



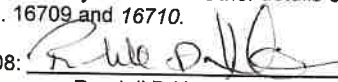
INTERNATIONAL AIRPORT
P.O. BOX 35126 DES MOINES, IA 50315-0302
Telephone (515) 256-5300 FAX (515) 256-5537

April 16, 2008 Piper PA32R-301T N3098H S/N 3257478
Tach / Hobbs 46.9 Total Time 46.9

Completed the 1st 50 hour warrantable inspection per New Piper checklist PN 765-037 dated 03/01/2006

1. Adjusted aileron, rudder and stabilator trim cable tensions to Piper specifications.
2. Replaced alternator cooling hose Piper PN 63633-210
3. Installed new heater shroud duct Piper PN 104697-002
4. Serviced air-conditioning system with R134A, operational checks satisfactory

I certify that this Aircraft has been inspected in accordance with a 50 hour Inspection and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order Nos. 16709 and 16710.

Date Signed 04/16/2008: 

Randall D Hunter

Des Moines Flying Service, Inc., FAA CRS G9CR485J



AIRCRAFT LOG

DMFS

DES MOINES FLYING SERVICE, INC.



INTERNATIONAL AIRPORT
P.O. BOX 35126 DES MOINES, IA 50315-0302
Telephone (515) 256-5300 FAX (515) 256-5359

04/21/08 N3098H PA-32-301T S/N 3257478 HM 47.5 ACTT 47.5

Removed damaged engine intake transition assy. and installed new transition assy. Piper P/N 100939-002.

The aircraft, airframe, aircraft engine, propeller, or appliance listed above, was inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under **Work Order 16731 dated 04/21/08.**

Signed



Randall D Hunter

Des Moines Flying Service, Inc.
CRSG9CR485J

Total To
Carry Forward

DMFS

DES MOINES FLYING SERVICE, INC.



INTERNATIONAL AIRPORT
P.O. BOX 35126 DES MOINES, IA 50315-0302
Telephone (515) 256-5300 FAX (515) 256-5359

Certificate No.



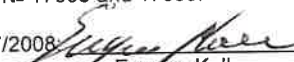

November 17, 2008 Piper PA32R-301T N 3098H
Tach / Hobbs 132.3 Total Time 132.3
Lycoming TIO-540-AH1A SN L-12842-61A Total Time 132.3
Hartzell HC-I3YR-1RF SN HK1351B Total Time 132.3

Performed an Annual Inspection per Piper PA32R-301T Maintenance Manual, 761-879 dated 01/31/2008 including inspection checklists located in Chapter 5-20-00.

1. Complied with CFR 91.207(d) ELT corrosion inspection and operational test, no defects noted at this time, battery expiration date 08/2012, ELT tested with WS Technologies Inc. Model BT1000AV SN 2749 Beacon Tester, calibration due 06/18/2010, Ref. report 13NE-1-8
2. Complied with Piper SL 1108 dated 03/04/2008 by checking calibration of manifold pressure transducer, found to be within specified tolerances at this time.
3. Complied with 100 hour standby alternator system inspection, in accordance with PA-32R-301T Maintenance Manual, Chapter 24-30-00, found to be serviceable at this time.
4. Complied with Piper SB 856 dated 02/17/1987 inspections of the 4 steel stabilator attach fittings and adjacent aircraft structure for rust and corrosion per instructions, found to be serviceable at this time.
5. Performed Garmin 1000 EFIS Annual Inspection as specified in 34-20-00, EFIS - Garmin, Inspections, no defects noted at this time
6. Performed the Ice Protection System (TKS) Annual Inspection, 30-10-00, no defects noted at this time.
7. Garmin 1000 EFIS: performed the initial twelve (12) month or first 2000 hour inspection; inspected the emergency battery per Concorde's Instructions for Continued Airworthiness, Maintenance Manual Supplement, Concorde Valve Regulated Lead-Acid Emergency Battery, Drawing No. 5-0143
8. Complied with Piper SL 1106 dated 05/03/2007 installed copy of SL 1106 starter cranking instructions in POH/AFM Section 4 Normal Procedures.
9. Adjusted rudder and aileron cable tensions to specifications in Piper PA32R-301T maintenance manual chapter 27

~07/17/2008 Continues~

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
Brought				
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">  <p>DMFS DES MOINES FLYING SERVICE, INC.</p> </div> <div style="text-align: center;">  <p>INTERNATIONAL AIRPORT P.O. BOX 35126 DES MOINES, IA 50315-0302 Telephone (515) 256-5300 FAX (515) 256-5537</p> </div> </div>				
~07/17/2008 Continued~				
10. Serviced oxygen system to 1800 psi with aviators breathing oxygen 11. Adjusted and lubed aft cabin door handle to latch linkage rod end. 12.				
I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No 17038 and 17039.				
Date Signed 11/17/2008   Eugene Koll Des Moines Flying Service, Inc., FAA CRS G9CR485J				
Total To Carry Forward				

Registration No. _____



INTERNATIONAL AIRPORT
P.O. BOX 35126 DES MOINES, IA 50315-0302
Telephone (515) 256-5300 FAX (515) 256-5537

08/21/09 N3098H Piper PA-32R-301T S/N: 3257478
HOBBS 182.0

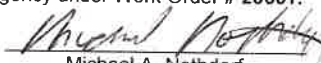
Bench tested RG-125 serial number 40201201 battery per Concorde Instructions for continued air worthiness. Battery failed to meet capacity requirements. Shop ordered warranty exchange battery under Work Order # 17353.

Performed annual tests in accordance with the ME-406 ELT Installation Manual Part Number 570-1600 Revision # G Dated 05-19-2008 periodic maintenance requirements section 4.

I certify that the Air Data Computer (GDC74A) 24 month altimeter test and inspection (Garmin document # 190-00343-03 Revision D), altimeter, and static system tests required by 14 CFR 91.411 and part 43 Appendix E have been performed. The Pilot's Air Data Computer P/N: 011-00882-00 S/N: 47808098 and the Standby Altimeter, Piper P/N: 559-549 S/N: 463085 have been tested to 20,000 feet.

I certify that the transponder and the mode c/s data correspondence tests and inspections required by CFR 91.217 and 91.413 have been performed in accordance with CFR 43 Appendices "E" and "F". Transponder GTX-33 P/N: 011-00779-10 S/N: 89105080, Encoder S/N: 47808098.

The aircraft or appliance identified above, was repaired, and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this agency under Work Order # 28601.

Date 08/21/2009 Signed: 
 Michael A. Nothdorf
 Des Moines Flying Service, Inc., FAA CRS G9CR485J



Certificate



INTERNATIONAL AIRPORT
P.O. BOX 35126 DES MOINES, IA 50315-0302
Telephone (515) 256-5300 FAX (515) 256-5537

Date

August 21, 2009 Piper PA32R-301T N 3098H S/N 3257478
Tach / Hobbs 182.0 Total Time 182.0
Lycoming TIO-540-AH1A SN L-12842-61A Total Time 182.0
Hartzell HC-13YR-1RF SN HK1351B Total Time 182.0
Performed an Annual Inspection per Piper PA32R-301T Maintenance Manual, 761-879 dated 01/31/2008 including inspection checklists located in Chapter 5-20-00.

1. Complied with CFR 91.207(d) ELT corrosion inspection and operational test, no defects noted at this time, battery expiration date 08/2012. ELT tested with WS Technologies Inc. Model BT1000AV SN 2749 Beacon Tester, calibration due 06/18/2010, Ref. report 13NE-1-8
2. Complied with 100 hour standby alternator system inspection in accordance with PA-32R-301T Maintenance Manual, Chapter 24-30-00, found to be serviceable at this time.
3. Performed Garmin 1000 EFIS Annual Inspection as specified in 34-20-00, EFIS - Garmin. Inspections, no defects noted at this time
4. Performed the Ice Protection System (TKS) Annual Inspection, 30-10-00, no defects noted.
5. Garmin 1000 EFIS: performed standby battery inspection, battery failed, replaced Serial Number 49265866
6. Adjusted rudder cable tension IAW Piper PA-32R-301T MM 27-00-00 chart 2.
7. Adjusted stabilator trim cable tension IAW Piper PA-32R-301T MM 27-00-00 chart 2.
8. Serviced oxygen system to 1800 psi with aviators breathing oxygen
9. Complied with Piper SB 1197 dated 04/30/2009 Control Wheel Shaft Inspection per instructions, found to be correctly installed.
10. Complied with Piper SB 1198A dated 04/20/2009, Fuel Selector O ring, researched records, fuel selector has not been serviced.
11. Right MLG pivot bolts to be too tight loosened the nut a half turn and put a new cotter pin in. Operational checks of landing gear satisfactory.

I certify that this Aircraft has been inspected in accordance with an Annual inspection and was determined to be in an airworthy condition. Other details of this inspection are on file at this agency under Work Order No 17352 and 17353.

Date Signed 08/21/2009

David Hintz
David Hintz



Total To
Carry Forw

Registration No. N3098H

and Remarks	Signature	Certificate No.
<p>Nov 10, 10 Hobbs 277.8 Inspected wing and tail group, control systems, fuel and electrical systems, gear, wheels and brake systems and exterior group. Serviced battery and checked backup charging system found OK at this time. Jacked aircraft and performed a retraction test both normal and emergency. Found OK. Greased gear. Tested ELT w/ W PAR 91.207d. Found OK. Inspected ice protection sys. Found OK. Installed a new W1290-28 bulb in left nav light, ops checked OK. Installed engine preheater, model E-2 540 installed. No change to W-B. Tightened clamp for alternate air door control. Removed and replaced cable Assy W-19189 for exhaust support. Checked ADO thru 10-21 issue, and checked those dated this date</p>		



AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
11/10/10	Brought Forward →	277.8	277.8	only on AD sheets with aircraft paperwork. Cleared Aircraft in and out. — END —
<p align="center"><u>Annual</u> Inspection</p> <p>Date <u>11/10/10</u> Tach <u>277.8</u> T.T. <u>same</u></p> <p>I certify that I have inspected this Aircraft <u>airframe</u> in accordance with a <u>Annual</u> inspection, and found it in an airworthy condition.</p> <p>Signed <u>John A. Hamling</u></p> <p>A-666 <u>WA</u> <u>505749274</u></p>				
Total To Carry Forward				

Registration No. 7309814

and Remarks	Signature	Certificate No.
<p>12-21-11 Hobbs 331.0 hrs. Inspected wing and tail group, control systems, fuel and electrical systems and interior group. Checked ELT L/A/W FAR 91.207d. Found OK. Jacked aircraft and performed a retraction test. Both normal and emergency. Installed a new W1290-28 bulb in left nav light. Ops checked OK. Checked AD's thru 11-24 issue and %i those dated this date only on AD sheet with aircraft paperwork. Cleared aircraft in and out. End</p>	<p>Annual Inspection Date 12-21-11 Tack 331.0 T.T. Same I certify that I have inspected this Aircraft <i>airframe</i> in accordance with a <i>Annual</i> inspection and found it in an airworthy condition. Signed <i>John C Hamling</i> A & P for IA 505749274</p>	

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
2-15-2013	Brought Forward →	Hobbs 349.4		Inspected wing and tail group, control system, gear, wheels and brake systems and interior group. Serviced battery, and hyd. system. Jacked aircraft and performed a retraction test, both normal and emergency. Replaced ELT battery, installed a new 455-0012 battery and tested 1/11/13 FAR 91.207d. Found OK. Replaced light bulbs in right mag switch. Ops checked OK. Cleared aircraft in and out. Checked AD's thru 13-02 issue and %w those dated this date only on AD sheets with aircraft paperwork.
Total To Carry Forward		E.N.D.		

Date 2-15-13 T.T. Same
 I certify that I have inspected this Aircraft
 in accordance with a Annual inspection and
 found it in an airworthy condition.
 Signed John A. Hamling
 A & P M 505749274

Registration No. 713098H

and Remarks	Signature	Certificate No.
June 17, 2014 Hobbs 363.8 Inspected wing and tail group, control systems, fuel and electrical systems, gear, wheels, and brake systems and interior group. Jacked aircraft and performed a retraction test, both normal and emergency. Found OK. Serviced gear. Tested ELT 1/11/13 F.A.R. 91.207d. Found OK. Removed O2 bottle for hydrostatic test. %w by Aerospace Turbine Rotables. See %w 55569 and 8130-3 form. With aircraft paperwork. Checked AD's thru 14-11 issue and %w those dated this date only on AD sheets with aircraft paperwork.	<u>Annual</u> inspection 6-17-14 Tack <u>363.8</u> T.T. <u>Same</u> I certify that I have inspected this Aircraft in accordance with a <u>Annual</u> inspection and found it in an airworthy condition. Signed <u>John A. Hamling</u> A & P M <u>505749274</u>	

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
9-28-15	Brought Forward →	363.8	372.7	This aircraft has been inspected I/A/w an Annual inspection I/A/w FAR 43 app. D. Inspected wing and tail group, control system, fuel and electrical system, gear, wheels and brake systems and interior group. Serviced battery and checked ELT operation I/A/w FAR 91.207 d. Found OK. Tightened right aileron control horn attach bolts. Checked AD's thru 15-19 issue and %w those dated this date only on AD sheets with aircraft paperwork. End
<div style="display: flex; justify-content: space-between;"> <div> <p><u>Annual</u> Inspection</p> <p>Date <u>9-28-15</u> Tack <u>372.7</u> T.T. <u>372.7</u></p> <p>I certify that I have inspected this Aircraft <u>airframe</u> in accordance with a <u>Annual</u> Inspection and found it in an airworthy condition.</p> <p>Signed <u>John A. Hamling</u></p> <p>Avi. Reg. No. <u>505749274</u></p> </div> <div> <p>End</p> </div> </div>				
Total To Carry Forward				

Registration No. 7130984

and Remarks	Signature	Certificate No.
12-1-16 Hobbs 375.8 hrs Inspected this airframe I/A/w FAR 43 appendix D. Inspected wing and tail group, control system, fuel and electrical system, gear wheels and brake systems and interior group. Jockeyed aircraft and performed a gear retraction test, both normal and emergency. Found OK. Serviced main gear struts with N ² . Checked ELT and tested I/A/w FAR 91.207 d. Found OK. Serviced battery. Checked AD's thru 16-22 issue and %w those dated this date only on AD sheets with aircraft paperwork. Cleared aircraft in and out. End	<u>Annual</u> Inspection I certify that I have inspected this Aircraft <u>airframe</u> in accordance with a <u>Annual</u> Inspection and found it in an airworthy condition. Signed <u>John A. Hamling</u>	<u>Same</u> <u>505749274</u>

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		



Li'l Red Aero, Inc.

Aircraft Maintenance & Repair
4975 AIRPORT ROAD
KEARNEY, NEBRASKA 68847

Hobbs Time: 385.3 Airframe Total Time: 385.3

[illegible]

I certify that I have inspected this airframe in accordance with a Annual Inspection and have found it in Airworthy condition.

Date: 01/05/2018 Signature: John A. Hamling

John A. Hamling

IA: 505749274

and Remarks	Signature	Certificate No.
-------------	-----------	-----------------



➡ *Li'l Red Aero, Inc.* ➡

Aircraft Maintenance & Repair
4975 AIRPORT ROAD
KEARNEY, NEBRASKA 68847

Tail Number: N3098H Model: Piper PA32R-301T Serial Number: 3257428

Hobbs Time: 389.6 Total Time: 389.6

Inspected this airframe in accordance with FAR 43 Appendix D. Inspected wing and tail group, control systems, fuel and electrical systems, gear, wheels and brake systems and interior group. Serviced battery.

Checked, tested and inspected ELT in accordance with FAR 91-207d. Found OK. Jacked aircraft and preformed a gear retraction test. Both normal and emergency. Found OK. Greased gear as needed. Removed and replaced both main gear tires. Installed two new Michelin 6.00-6/8/120 tires. Cleaned aircraft in and out. Checked AD's through 19-06 issue and complied with those dated this date only on AD sheets

with aircraft paperwork.

Annual 1964

I certify that I have inspected this aircraft airframe in accordance with a 100-Hour Inspection and have found it in a Airworthy Condition.

Date: 04/12/2019 Signature: John A. Hamling

ling John A. Hardy

1A: 505749274

Registration No. _____



 *Li'l Red Aero, Inc.* 

Tail Number: N3098H Model: Piper PA32R-301T Serial Number: 3257428

Inspected this airframe in accordance with FAR 43 Appendix D. Inspected wing and tail group, control systems, fuel and electrical systems, gear, wheels and brake systems and interior group. Serviced battery. Removed and replaced ELT battery with a new 455-0012 battery. ELT was checked, tested and inspected ELT in accordance with FAR 91-207d. Found OK. Battery due date May 2027. Jacked aircraft and performed a gear retraction test. Both normal and emergency. Found OK. Greased gear as needed. Serviced nose gear strut with nitrogen. Cleaned aircraft in and out. Checked AD's through 20-07 issue and complied with those dated this date only on AD sheets with aircraft paperwork.

[illegible]

I certify that I have inspected this aircraft airframe in accordance with a Annual Inspection and have found it in a Airworthy Condition.

Date: 04/16/2020 Signature: John A. Hamling John A. Hamling IA: 4362586

Curry Forward



Li'l Red Aero, Inc.

Tail Number: N3098H Model: Piper PA32R-301T Serial Number: 3257428

Inspected this airframe in accordance with FAR 43 Appendix D. Inspected wing and tail group, control systems, fuel and electrical systems, gear, wheels and brake systems and interior group. Serviced battery. Removed ELT. ELT was checked, tested and inspected ELT in accordance with FAR 91-207d. Found OK.

[illegible]

I certify that I have inspected this aircraft airframe in accordance with a Annual Inspection and have found it in a Airworthy Condition.

Date: 06/01/2021 Signature: John A. Hamling  IA: 4362586

AIRCRAFT LOG



Thoroughbred Aviation Maintenance, Inc.
FAA CRS# R81R199Y
Airframe

Date: 11/JUL/2022
AC: N3098H

WO: 225142
Type: Piper PA-32R-301T

AC SN: 3257478 Tach: --- Hobbs: 0407.2

1. Removed Garmin GTX33 ATC Transponder PN 011-00779-10 SN 89105080. Installed customer provided Garmin GTX345R ATC Transponder with ADS-B IN/OUT Functionality IAW Garmin STC SA01714W1 dated May 1 2013 amended September 9 2019 and Master Drawing List #005-00734-04 revision 20 dated March 17 2022. Components installed: Garmin GTX345R ATC Transponder with ADS-B Functionality PN 011-03303-41 SN 3EH440594. All interfaces checked and verified good IAW Garmin Installation Manual # 190-00734-10 revision 15 dated June 1 2021. Inserted AFMS #190-00734-15 latest revision into aircraft. The installed ADS-B OUT system was shown to meet the equipment performance requirements of 14 CFR part 91, § 91.227.
2. Installed Garmin GA35 GPS/WAAS Antenna IAW Garmin STC# SA02018SE-D dated January 4 2011, and Installation Manual #190-01284-00 Revision D dated March 1 2012. This antenna interfaces with the GTX345R ATC Transponder for GPS positioning. Components installed include Garmin GA35 GPS/WAAS Antenna PN 013-00235-00 SN 171705.
3. Removed defective Garmin GMU44 magnetometer PN 011-00870-00 SN 47509185. Replaced with new Garmin GMU44 magnetometer PN 011-00870-00 SN 47510623. Checked heading and directional indicators, ops checked good on ground.
4. Calculated and updated Weight and Balance and Equipment list.
5. See FAA Form 337 dated July 11 2022 for STC installation details.

-----END-----

I certify this aircraft was inspected/repaired/serviced utilizing Piper PA-32R-301T Technical Publications and standard practices referenced in the AC43.13-1b.

MAINTENANCE RELEASE

The aircraft identified was repaired/serviced/inspected in accordance with current FAA regulations and was found airworthy for return to service. "Pertinent" details of the repair are on file at this agency under **Work Order: 225142** **Date: 11/JUL/2022**

Signed: 

For CRS: R81R199Y

Total To Carry Forward				
------------------------	---	--	--	--

Registration No. _____



**Thoroughbred Aviation Maintenance, Inc.
Airframe**

Date: 07/13/2022

AC: N3098H

Engine TT: 407.2

Prop: Hartzell HC-I3YR-1RF

Type: Piper PA-32R-301T

AC SN: 3257478

Engine: TIO-540-AH1A

Prop SN: HK11351B

WO: 223270

Hobbs: 407.2

Eng. SN: L-12842-61A

Prop TT: 407.2

1. C/W lube chart.
2. Removed, cleaned, inspected & repacked wheel bearings with SHC 100 grease.
3. R&R LH MLG Bearing and Bearing cone. P/N's 13889 & 13836.
4. R&R LH & RH Tank Fuel sender gaskets, leak ck. good. P/N 755-049.
5. R&R LH & RH MLG brake lining and new shims. P/N's RA066-06200 & 765-489.
6. Installed new Fire Extinguisher, P/N RTA600.
7. Installed new Induction Air Filter, P/N P15-1936.
8. Tested ELT, OPS. CK. Good. **Battery EXP Date MAY 2027.**
9. All AD's current.
10. Performed Annual Inspection IAW Piper PA-32R-301T Inspection Guide to include the scope and detail of 14 CFR Part 43 appendix D.

-----End-----

I certify this Airframe has been inspected/repaired/serviced utilizing Piper PA-32R-301T AMM & applicable FARs and was found to be in **Airworthy** Condition.

MAINTENANCE RELEASE

The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service for the work performed. "Pertinent" details of the repair are on file at this agency under **Work Order: 223270**

Date: 07/13/2022

Signed: *David B. B...*

CRS: R81R199Y

AIRCRAFT LOG



Thoroughbred Aviation Maintenance, Inc. Airframe

Date: 07/13/2022

AC: N3098H

Engine TT: 407.2

Prop: Hartzell HC-13YR-1RF

Type: Piper PA-32R-301T

AC SN: 3257478

Engine: TIO-540-AHIA

Prop SN: HK11351B

WO: 223279

Hobbs: 407.2

Eng. SN: L-12842-61A

Prop TT: 407.2

1. R&R NLG Tire and Tube, P/N's 301-016-006 & 302-013-400. serviced with Nitrogen to 35psi.
2. R&R LH & RH MLG Tires and Tubes, P/N's 301-028-006 & 302-246-401. serviced with Nitrogen to 38psi.
3. R&R Main Battery, P/N RG24-11M.
4. Ops. ck. good.

-----End-----

I state that this Airframe has been inspected/repared/serviced utilizing Piper PA-32R-301T AMM and is Okay for Service.

MAINTENANCE RELEASE

The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service for the work performed. "Pertinent" details of the repair are on file at this agency under **Work Order: 223279**

Date: 07/13/2022

Signed: *Termin Kim Payer*

CRS: R81R199Y

Total To Carry Forward				
------------------------	--	--	--	--

Registration No. _____

Reg No: N3098H Aircraft: PIPER PA-32R-301T

Serial No: 3257478 Work Order: 225142

I HEREBY CERTIFY THAT THE ALTIMETER, ENCODER AND STATIC SYSTEM
TEST REQUIRED BY FAR 91.411 WAS PERFORMED AND FOUND TO COMPLY
WITH FAR 43, APPENDIX E.

ADC ALTIMETER TESTED TO 20,000 FEET
STANDBY ALTIMETER TESTED TO 20,000 FEET

SYSTEM TEST DATE 7-14-2022

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

MAKE: GARMIN MODEL: GTX-345R SERIAL NO: 3EH440594

SYSTEM TEST DATE 7-14-2022

TESTED BY  # R81R199Y
KENNETH REAMS

Thoroughbred Aviation Maintenance
4316 Hangar Dr.
Lexington, KY 40510
FAA CRS #R81R199Y

Signature

Certificate No.

Airframe Logbook

Date: 07/15/2022



Reg No: N3098H	Aircraft Type: PA-32R-301T	Aircraft S/N: 3257478
Flight: N/A	Hobbs: 409.9	Aircraft Total Time: 409.9

1. Removed number 2 alternator, installed OH alternator from preferred aircraft parts, P/N: BC410-1, S/N: 06537489, W/O #: 149567. IAW Aircraft Maintenance manual. Operational check good.
2. Installed new aft RH overhead light bulb P/N: 11-12390
3. Installed new NLG drag brace bumper P/N: 37970-005

This aircraft, airframe, engine, propeller, or appliance identified was repaired and/or inspected in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service for the work performed.

Date: 07/15/2022

Signed: 
Nathan Parton, A&P: 4368564

AIRCRAFT LOG

[illegible]

N3098H

Piper PA32R - 301T S/N: 3257478

07/13/23

Tach: 594.4 AFTT: 594.4

Opened, Inspected and Serviced Aircraft in Accordance with **Piper Service and Maintenance Manuals**. Aircraft Inspection: all work was Performed as in Accordance with: **FAA 43.13 Appendix D** and with **Piper Maintenance and Service Manual 753-690** and **Piper 100 Hour Inspection Completion Sheet**. All work was Performed during an **Annual Inspection**. Opened all the Access / Service Panels: Inspected and Lube all Control Surfaces, Rod Ends and Pulley Controls. Inspected and Serviced Aircraft Battery. Removed, Inspected Aircraft ELT Battery IAW: **FAR 91.207 (d) Due 05 - 2027**. Inspected and Serviced Wheel Bearings checked Condition of Brakes. Jacked Aircraft and Performed Normal, Gear Retraction and Extension Gear Swing, Tested Emergency Gear Extension, Tested O.K. Adjusted A/C Belt Tension. Serviced Fuel Gasolator. Replaced Tempest Air Filter: Installed **P/N AA15 - 1936**. Inspected Exhaust Collectors and Turbo Systems.

System. All AD's have been Reviewed Through **TDATA 2023 - 14**. This Aircraft has been Inspected in Accordance with An **Annual Inspection** and has been Determined to be in Airworthy Condition. Aircraft Returned to Service.

N3098H

Piper PA 32R - 301T S/N: 3257478

IA 3690473

07/13/23

Tach: 594.4 AFTT: 594.4

During Annual Inspection, Complied with **FAA AD 2013 - 02 - 13 Horizontal Stabilator Control System**. Compliance followed Piper Aircraft Inc. **Mandatory Service Bulletin No. 1245A**, followed Instructions per **Steps in SB 1245A**. Visual Inspection using a 10X magnifier. Aircraft Controls System Checked O.K.

IA 3690473

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		
	Brought Forward →			
6/7/24 Hobbs 767.	Serviced air conditioning as needed.			<i>[Signature]</i> AP461062097
8/29/24 Hobbs 859	HAF 859 E+ 859 PH 859 TS MOHP Zero.			
Jacked A/C. Replaced Lt & Rt MLC pads. Cycled gear & checked emergency extension - good. Opened all airframe panels. Checked travel & tension of all control surfaces, lubed all moving parts as required. Removed rudder & installed repaired assy. Removed prop for O/H. installed				
Total To Carry Forward			new TKS feed nozzle & reinstalled —	— continued —

Registration No. _____

and Remarks	Signature	Certificate No.
- continued - prop. Replaced receiver dryer & serviced air conditioning. C/w FAR 91.207(d) Visual & function test good. Battery due 5/2027. AD 24-14-03 N/A STE not installed.		
<div style="border: 1px solid black; padding: 5px;"> Date <u>8/29/24</u> Tach <u>859</u> TT <u>859</u> I certify that this <u>aircraft</u> has been inspected in accordance with an <u>annual</u> inspection and was determined to be in an airworthy condition. Signed <u><i>[Signature]</i></u> <u>AP46178826907-DA</u> </div>		
5/19/25 Hobbs 1024 Replaced Airconditioning door up & down Relays.		
<i>[Signature]</i> <i>AP461062097</i>		

Registration No. _____

and Remarks

Signature

Certificate No.

Michigan Aviation Co

6150 Highland Rd. Waterford Mi. 48327

Phone 248-666-3440 Fax 248-666-4630

N220KC AIRFRAME PA-34-220T S/N 3433137

INSPECTED AIRCRAFT IAW ASPECTS OF THE PIPER PA-32R-301T INSPECTION GUIDE WHILE MAINTAINING THE SCOPE AND
DETAIL OF FAR PART 43 APPENDIX D. CREATED NEW AD LIST AND RECURRING AD LIST. CHECKED COMPLIANCE OF
AD2024-21-02 EFF 12/05/2024 "TO PREVENT FAILURE OF CONNECTING ROD". AD IS N/A AT THIS TIME DUE TO
CONNECTING RODS INSTALLED WERE FACTORY AND NOT REPLACED WITH THE CONNECTING RODS LISTED IN AD UNDER
DATES SHIPPED. AD WILL BECOME APPLICABLE IF CONNECTING RODS SHIPPED DURING THE DATES LISTED IN THE AD ARE
INSTALLED. THIS AD WOULD THEN BECOME RECURRING AS STATED IN THE AD. ADDED NEW AD LIST AND RECURRING AD
LIST TO AIRCRAFT RECORDS. C/W AD84-26-02 EFF 01/29/1985 REPLACEMENT OF PAPER INDUCTION AIR FILTER EVERY
500 HOURS. INSTALLED NEW AIR FILTER. **AD NEXT DUE AT HOBBS. 1555.6.** C/W 12-MONTH ELT SYSTEM INSPECTION IAW
FAR 91.207 (D). ALL OPERATIONAL CHECKS DETERMINED TO BE SATISFACTORY AT THIS TIME. BATTERY DUE FOR CHANGE
05/2027. C/W 12-MONTH PORTABLE FIRE EXTINGUISHER INSPECTION AND WEIGHT CHECK. NO DEFECTS NOTED.
INSPECTED AND CLEANED FUEL STRAINER. PLACED AIRCRAFT ON JACKS. CLEANED AND INSPECTED LANDING GEAR.
CLEANED, INSPECTED AND PACKED ALL WHEEL BEARINGS WITH FRESH GREASE. SERVICED ALL TIRES WITH SHOP AIR.
PERFORMED MULTIPLE FAULT FREE GEAR RETRACTION AND EXTENSION CYCLES INCLUDING AN EMERGENCY EXTENSION
PROCEDURE. REMOVED AIRCRAFT FROM JACKS. SERVICED NOSE STRUT WITH (CONTINUE ON NEXT PAGE, PAGE 1 OF 2)

AIRCRAFT LOG

Date	Aircraft Time		Recorder Reading	Maintenance
	This Date	Total		

Michigan Aviation Co
6150 Highland Rd. Waterford Mi. 48327
Phone 248-666-3440 Fax 248-666-4630

NITROGEN. FOUND RUDDER CABLE TENSIONS LOW. ADJUSTED RUDDER CABLE TENSIONS TO 50 LBS. TROUBLESHOT AIR CONDITIONING SYSTEM BREAKER POPPING WHEN A/C DOOR OPENS. FOUND THE LIMIT SWITCH ON THE DOOR WAS BROKEN. REPLACED THE UP AND DOWN LIMIT SWITCHES P/N 767-423. TESTED A/C SYSTEM AND FOUND BREAKER NO LONGER POPS. DREW DOWN A/C FREON SYSTEM. SYSTEM HAD 0.67 LBS. OF R-134A FREON. SERVICED A/C SYSTEM WITH 2.25 LBS OF R-134A FREON. FOUND RIGHT EXHAUST STACK CRACKED ALONG WELD. REMOVED EXHAUST STACK AND WELDED. INSTALLED EXHAUST STACK BACK ON AIRCRAFT WITH NEW GASKETS P/N 77611 AND P/N78084. REMOVED CYLINDER'S #3 AND #4 INTAKE TUBES AND INSTALLED NEW O-RING P/N 72711 AND GASKETS P/N 71973. REMOVED AND CLEANED ALL FUEL INJECTOR NOZZLES. REINSTALLED ALL NOZZLES. PERFORMED VALVE GUIDE REAMING IAW S.B. 1425A ON ALL CYLINDERS. REMOVED AND REPLACED ALL 12 SPARK PLUGS P/N URHB36S. RESAFETIED PROPELLER MOUNTING NUTS. CHECKED AD'S THROUGH BI-WEEKLY 2025-17. REMOVED AND REPLACED FUEL SERVO P/N 2576554-3 AND RIGGED IAW PIPER PA-32R-301T AND LYCOMING TIO-540-AH1A. PERFORMED ALL ROUTINE MAINTENANCE. PERFORMED GROUND RUN-UP OF AIRCRAFT. ALL OPERATIONAL AND LEAK CHECKS DETERMINED SATISFACTORY AT THIS TIME. ALL MAINTENANCE PERFORMED IAW DATA APPROVED BY THE ADMINISTRATOR. — END — (PAGE 2 OF 2)

Total To Carry Forward				
------------------------	--	--	--	--

I CERTIFY that this Aircraft has been
inspected in accordance with a Annual inspection
and was determined to be in Airworthy Condition.

MECHANIC

A & P

RL
KL2R956K

Michigan Aviation

Oakland County International Airport

6150 Highland Road, Waterford, Michigan 48327

CRS No. KL2R956K

Time in Service Tech 1055.3 ACTT 1055.3

Date of Inspection 10-01-2025

Date

DATE 10-1-2025

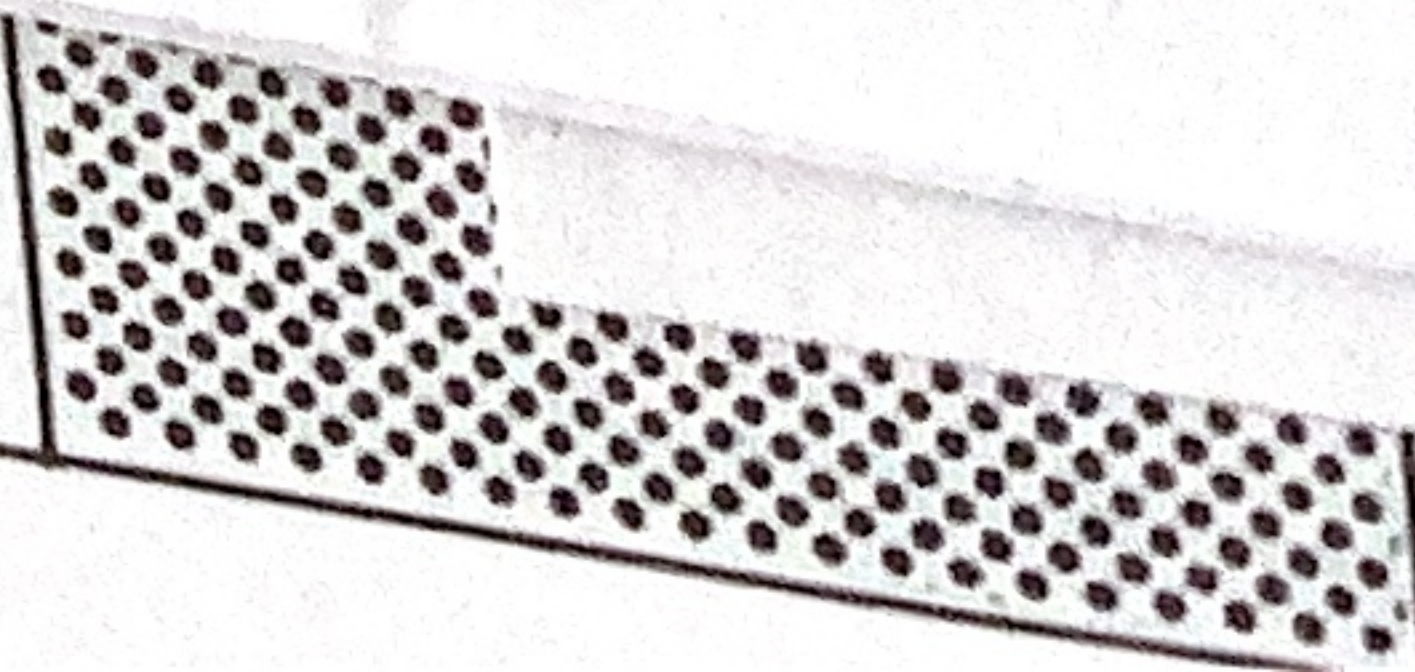
TESTED BY Susanna Leonard

ALTIMETER SERIAL NUMBER

88904687

SCALE CORRECTIONS			SCALE CORRECTIONS		
ADD Correction Algebraically			ADD Correction Algebraically		
Altitude	Ascending	Descending	Altitude	Ascending	Descending
-1000	0		18000	-50	
0	-30		20000	-60	
500	-30		22000	-70	
1000	-30		25000	-60	
1500	-30		30000		
2000	-25		35000		
3000	-30		40000		
4000	-30		45000		
6000	-30		50000		
8000	-40		53000		
10000	-40		55000		
12000	-45		HYS. 40%		
14000	-50		HYS. 50%		
16000	-50		AFTER EFFECT		
					0
					0
					0

Total To
Carry Forward



MICHIGAN AVIATION CO.

(248)666-3440 CRS NO. KL2R956K

Date 10-01-2025

Reg. No. N3098H

Ser. No. 32-57478

WO No. 9055

Hours Hobbs: 1055.6

Certified pilot's GDU1040 altimeter, s/n 88904687,
and standby altimeters, s/n 463085, static system to
25,000 ft. I.A.W. FAR 91.411 part 43 appendix E.
Certified the G1000 mode s transponder I.A.W. FAR
91.413 part 43 appendix F. No discrepancies noted at
this time.

The Aircraft/Component identified above was repaired and inspected in accordance
with current Federal Aviation Regulations and is approved for return to service.

CRS NO. KL2R956K

