

The Standard
-ENGINE LOG

ASA-SE-2

Engine Record General Information

12-19-02 O/H, Annueled, Installed.

Manufacturer Lycoming

Model IO 540 K1 G5

Serial 2-17171-48A

Type Certificate _____

This engine is currently installed in aircraft: _____

Minimum Octane Fuel _____

Oil Grade Summer _____

Winter _____

Magneto Time _____

Point Setting _____

Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

N47831 PA32-300 S/N: 32-7840014 Lycoming IO-540-K1G5 S/N: L-17171-48A

YI

Tach: 2807.5

ETT: 2807.5

SMOH: 470.5

~~Qtd~~: 4/20/16

DI

Annual Inspection IAW FAR 43 Appendix D& 91. Work performed per Lycoming O/H manual. Drained oil. Installed new CH48110-1, torqued 192 in lbs. & safetied. Cut open old filter, inspection found ok. Inspected & cleaned oil suction screen, reinstalled with new AN900-16 crush gasket & safetied. Serviced engine with 12 qts of Aeroshell 15W50 oil. Serviced spark plugs, reinstalled with new M-674 gaskets, torqued 420 in lbs. Checked mag timing. Compression test: #1 75/80, #2 78/80, #3 75/80, #4 75/80, #5 72/80, #6 78/80

1. Adjusted Rt mag timing & gasket split. Removed mag. One of the drive cushions fell in the engine. Borescope & found in the oil sump. Removed block off plate on the accessory case & removed cushion from sump. Reinstalled plate with a new gasket 69551. Put cushion back on drive. Removed old gasket on mag. Reinstalled mag with new gasket 62224 & LW12681, timed to 20° BTDC.
2. Installed a new air filter BA-3.
3. AD's checked thru 2016-08.
4. Run up, ops & leak check, found ok.

I certify that this Engine has been Inspected IAW an Annual Inspection & was determined to be in an Airworthy condition.

Total Aircraft

Paul Fahey [REDACTED] IA

[REDACTED]
Hartford, CT 06114



YEAR 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.)
9-9-16	2810.45			CHANGE FILTER- CUT OPEN OIL FILTER & INSPECT ELEMENT- ADD 1QT 15W 50 AEROSHELL OIL Run A/C- C/W OPERATIONAL INSP & LEAK CHECK NO DISCREPANCIES FOUND- [REDACTED] A&P [REDACTED]

N47831 ENGINE

DATE: 12/08/2016 TACH: 2916.15 Hobbs: 1364.50
installation instructions drawing number SH118. End.

Installed Safe-Heat oil pan heater p/n: 700 per McFarlane Aviation

END

Signed: [REDACTED]

Damone Knox A&P [REDACTED] &A

N47831 Engine

DATE: 11/27/2016 TACH: 2877.86 HOBBS: 1321.23 CHANGED OIL & FILTER. SERVICED ENGINE WITH
AEROSHELL 15W50 OIL. INSTALLED OIL FILTER P/N: CH48110. REMOVED FUEL PUMP P/N: LW15473, INSTALLED AERO
ACCESSORIES INC(CERT#YV4R688M) OVERHAULED FUEL PUMP, P/N: LW15473, S/N: 0BHI10, NOTE: SEE FAA FORM
8130-3 DATED 10-5-2016. END

END

Signed: [REDACTED]

Damone Knox A&P [REDACTED]

YEAR 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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25 Nov. 2016 N47831 TACH 2895.39

Removed failed alternator and belt. Installed New Alternator Pt# ALY6522R, and belt Pt# PS10069-1. Removed failed battery and installed new Pt# G-35. Performed ground run aircraft, returned aircraft to normal service. All work accomplished IAW the Piper Service Manual.

Freddie W. McCall Jr.

A&P [REDACTED] IA

YEAR 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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N47831 ENGINE S/N: L-17171-48A

DATE: 01/17/2017 TACH: 2964.79 Hobbs: 1421.50 Installed missing alternator mounting hardware as needed. Change oil & filter, installed oil filter p/n: CH48110-1, serviced engine with Aeroshell 15W50. End.

END

Signed:

Damone Knox A&P [REDACTED] &A

YEAR 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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HARCO AVIATION

HARCO AVIATION LLC

HOUSTON, TX 77034

PHONE
FAX

LOGBOOK ENTRY

MARCH 28, 2017
N47831 PIPER PA-32-300
S/N 32-7840014

WO 3587-03-2017
TACH : 3046.6
HOBBS: 1517.7

COMPLIED WITH THE FOLLOWING MAINTENANCE ITEMS AND INSPECTIONS:

1. REMOVED PROPELLER FOR INSTALLATION OF NEW ALTERNATOR BELT P/N 73965-009, REINSTALLED PROPELLER INCLUDING NEW PROPELLER SEAL P/N 755-800, AND ADJUSTED BELT TENSION. REINSTALLED ENGINE COWL

THE AIRCRAFT OPERATIONALLY AND LEAK CHECKED SATISFACTORY ON THE GROUND.

ALL MAINTENANCE PERFORMED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND MANUFACTURES MAINTENANCE MANUAL SPECIFICATIONS AND THIS AIRCRAFT IS RETURNED TO SERVICE WITH RESPECT ONLY TO THE WORK ACCOMPLISHED.

JACK ELLIOTT

HARCO AVIATION LLC FAA CRS #

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

N47831 Engine S/N L-17171-48A

DATE: 05/01/2017 TACH: 3073.00 HOBBS: 1549.30 SMOH: 736.00 C/W 100hr/Annual inspection. Changed oil and filter p/n: CH48110-1, serviced with Aeroshell 15W50 oil. Complied with compression test: 1) 69/80, 2) 68/80, 3) 70/80, 4) 68/80, 5) 68/80, 6) 74/80. Note: see rear of log book for AD Compliance listings. Secured leads and hoses as needed. Installed Ind filter. Removed left & right magnetos & installed all new items: Capacitor p/n: KA10-400615, Block 10-391586, Gear 10-349237, Coil 10-3911088-1, Points 10-382585, Carbon brush ES10-160844, reinstalled magnetos ops checked ok. Washed, ground run and leak checked engine. End. I certify that this Engine has been inspected in accordance with a **100 hour/Annual** inspection, per the scope & detail per F.A.R. 43 appendix D and was determined to be in airworthy condition at this time.

END

Signed: _____

Damone Knox A&P _____ &A

N47831 Engine

DATE: 07/18/2017 TACH: 3163.00 CHANGED OIL & FILTER. SERVICED ENGINE WITH AEROSHELL 15W50 OIL. INSTALLED OIL FILTER P/N: CH48110. END

END

Signed: _____

Damone Knox A&P _____

YEAR 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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N47831 Engine

DATE: 10/04/2017 TACH: 3237.93 CHANGED OIL & FILTER. SERVICED ENGINE WITH AEROSHELL 15W50 OIL.
INSTALLED OIL FILTER P/N: CH48110. END

END

Signed: _____

Damone Knox A&P _____

ZS-MWE

 The Standard
AIRCRAFT LOG

ASA-SA-2

N 47831

ALTIMETER CORRECTION CARD

united 5934PA-1

DATE: 9-8-16

INSP: SC

ALT S/N 9A045

ALTIMETER				DATE: 9-8-16	INSTRUMENT	
ALT S/N 9A045						
TRUE	ERROR	TRUE	ERROR	ALT	FRICTION	
-1000	0	14000	50	1000	40	
0	0	16000	40	2000	40	
500	0	18000	50	3000	40	
1000	0	20000	65	5000	40	
1500	0	22000		10000	40	
2000	10	25000		15000	80	
3000	10	30000		20000	60	
4000	15	35000		25000		
6000	20	HYSTERISIS		30000		
8000	20			35000		
10000	30	50%	20	CASE LEAK	0@18	
12000	45	40%	20			
EXCEL AVIONICS						
FAA REPAIR STATION						

EXXEL AVIONICS

FAA REPAIR STATION #XL6R743J

LOG BOOK ENTRY

Date: September 8, 2016

Tail # N47831

Type: PA-32-300

S/N: 32-7840014

T: 2809.93

Certified the altimeter per 91.411, IAW FAR part 43, appendix E, paragraph B, to 20,000 feet.
Make: United Model: 5934PA-1 S/N: 9A045

Certified the altitude encoder per 91.411, IAW FAR part 43, appendix E, paragraph C, to 20,000 feet.

Make: TransCal Model: SSD-120-30 S/N: A54167

Certified the Transponder system per 91.413, IAW FAR Part 43, appendix F.

Make: Garmin Model: GTX-330 S/N: 84106558

Certified the pitot/static system per 91.411, IAW FAR part 43 appendix E, paragraph A.

Exxel Avionics, LLC. Certifies that this aircraft, or component thereof, was repaired or altered in accordance with current FAA airworthiness regulations and in respect to that work the aircraft is approved for return to service. Pertinent details are on file at this Repair Station under work order # 8261.e

INSPECTOR

Exxel Avionics, LLC., Brainard Airport,
Hartford, CT 06114 FAA CRS #

YEAR:	A.D. NUMBER	TOTAL TIME IN SERVICE
DATE		

Airworthiness Directives

Chronological Listing of Compliance and Method of Compliance

N47831W AIRFRAME S/N: 327840014

DATE: 11/18/2016 TACH: 2887.94 HOBBS: 1332.90
and serviced all struts with nitrogen & hyd fluid(5606). End

Changed LT main tire and tube P/N: 6:00/6/6PLY. Jacked aircraft

END

Signed:

Damone Knox A&P &A

N47831W AIRFRAME S/N: 327840014

DATE: 12/29/2016 TACH: 2938.08 HOBBS: 1389.70

Installed landing light bulb (LED) p/n: 11-08459, alt#: 2307055-1.
Removed attitude gyro p/n: 23-501-04-2, s/n: X53940F. Installed Georgetown Instrument Services Inc.(Cert# GTNR482X)
overhauled attitude gyro p/n: 23-501-04-2, s/n: T30308J. End

END

Signed:

Damone Knox A&P &A

YEAR:

TOTAL
TIME IN
SERVICE

Manufacturers' Mandatory Service Bulletins

Chronological Listing of Compliance and Method of Compliance

N47831

Date: 11/10/2016

Hobbs: 1326.7

PA-32-300

Serial # 32-7840014



1. Installed Garmin GNS430 WAAS PN: 011-01060-40, SN: 97111291 and GA35 WAAS antenna in accordance with STC SA01933LA-D and STC Upgrade installation instructions 190-00357-06 Rev. E dated Jan. 15, 2014. Inserted aircraft flight manual supplement 190-00356-03 Rev. E dated Nov. 20, 2014 into aircraft flight manual. Inserted Instructions for Continued Airworthiness 190-00356-65 Rev. D dated Nov. 20, 2014 into aircraft records. Updated weight and balance / equipment list. See FAA Form 337 dated 11/10/2016 for details.

Post installation ground tests were performed in accordance with manufacturer's maintenance manuals. All maintenance completed in accordance with applicable sections of the manufacturers maintenance manual. I certify that the Maintenance identified above has been inspected and the items are approved for return to service. Pertinent details of the repairs are on file at this Agency under Work Order # 0838-10-2016.

Signed

David Halterman

For MIKE JONES AVIONICS AND MAINTENANCE, LLC MURFREESBORO, TN 37129 - CRS:

DATE

TACH
TIME

FLIGHT

TIME IN
SERVICE

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

ACFT SN#

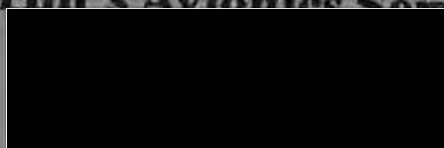
32-7840014

Altimeter/Static System Certification

TACH 3073.11

HOBBS
1549.3

Merlin's Avionics Service



Work Order No. 5230 Acft. Reg. No. N47831
 Acft Type Cherokee six Altimeter Position #/
 Altimeter P/N# 5934 PA-1 S/N# 9A045
 Date 4-27-17 Signed [Redacted]

Hendersonville, Tennessee 37075

FAA CRS#Z6MR586Y MAS Form #4

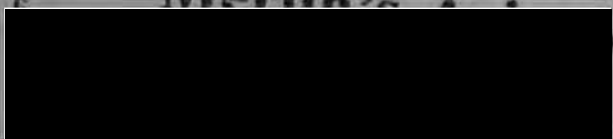
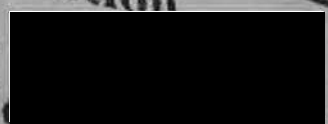
Altitude	Reading	Tol	Altitude	Reading	Tol	Friction	Tol	Press	Diff. (Tol. 25 Ft.)
-1000	-1000	20	14,000	13980	100	1K	+15 70	28.10	-1727 -1727
0	0	20	16,000	15980	110	2K	+15 70	28.50	-1340 -1340
500	500	20	18,000	17970	120	3K	+20 70	29.00	-863 -863
1000	1000	20	20,000	19960	130	5K	+20 70	29.50	-392 -392
1500	1500	25	22,000	/	140	10K	+20 80	29.92	0 0
2000	2000	30	25,000	/	155	15K	+15 90	30.50	531 531
3000	3000	30	30,000	/	180	20K	+15 100	30.90	893 893
4000	4000	35	35,000	/	205	25K	/	30.99	974 974
6000	6000	40	40,000	/	230	30K	/		
8000	7990	60	45,000	/	255	35K	/		
10,000	9980	80	50,000	/	280	40K	/		
12,000	11985	90				50K	/		

Hysteresis: 1st Test Point @ 50% of Max. Alt. (Tol. 75 Ft.) +20
 2nd Test Point @ 40% of Max. Alt. (Tol. 75 Ft.) +15

After Effect (Tol. 30 Ft.)
+10

This Altimeter/Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.

Transponder Certification

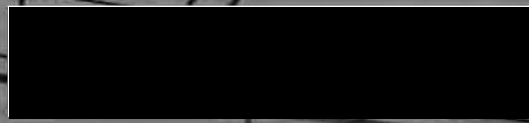
Merlin's  Service Tel: 
Hendersonville, Tennessee 37075
FAA CRS #Z6MR586Y MAS Form #3

Work Order No. 5230 Acft.Reg.No. N47831
Aircraft Type Cherokee six Txpond Position # 1
Txpond P/N# GTX 345 S/N# 3EG006007

Check Box if Mode S ☒

I certify the ATC Transponder tests and inspections required by
FAR 91.413 were performed this date and found to comply with Part 43,
Appendix F. Details of this inspection are on file at this repair station.

Date 4-27-17

Signed 



MAINTENANCE RECORD FEB 01, 2017
PIPER, PA-32-300, N47831, S/N 327840014
WO # 010701

ITEMS REMOVED: Garmin GTX330ES Transponder

ITEMS INSTALLED: Garmin GTX345 ADS-B OUT/IN Transponder without internal GPS

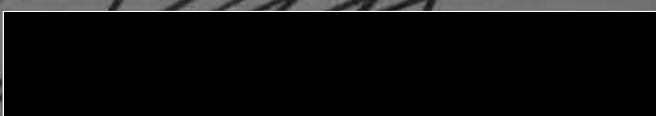
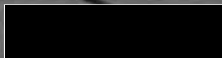
See FAA Form 337 dated 1 FEB 2017 for details.

The GTX345 was interfaced to the GNS530W, the existing Audio Panel and the existing Altitude Encoder. The newly interfaced equipment utilized newly fabricated wiring harnesses.

The GTX345 system was installed under the guidelines of and in reference to Garmin GTX3X5 Installation Manual P/N GTX3XX IM Part 23 STC AML 190-00734-10 Rev 08 October 2016. Additionally referenced AC43.13-1B Chapters 4, 7, 10, 11, and 12; AC43.13-2B Chapters 1, 2, 3, and 11.

Performed altitude reporting correlation checks and found to meet criteria outlined in FAR 43, Appendix E, Paragraph (c).

This component has been inspected and work described above found airworthy for return to service.
Weight and balance/ equipment list updated.


Signed for Carpenter Avionics, Inc. Repair Station 

YEAR:	TOTAL TIME IN SERVICE	Equipment Addition, Removal or Exchange			
DATE		Item	Manufacturer's Name	Model	Serial Number

N47831 Airframe, S/N: 32-7840014, with engine S/N L-17171-48A

DATE: 05/01/2017 TACH: 3073.00 HOBBS: 1549.30 ACTT: 4133.00 Complied with 100 hour/Annual inspection. C/W AD78-07-12 magneto switch per inspection. C/W AD78-23-01 Fuel drain per inspection. C/W AD2015-19-07 fuel injector lines per inspection. Note: see rear of log book for AD Compliance listings. ELT batteries due at Apr 2018. C/W ELT function test per FAR91.207(d). Installed following items: Vacuum filters p/n's: B3-5-1 & 1J7-1. Installed seat struts p/n: MC587-404. Installed new brake linings p/n: 066-105. Installed new fuel cap seals p/n: 462-056. Installed seat rod p/n: 76342-000. Installed ignition switch assembly p/n: 10-357210-1. Washed, ran and leak checked aircraft. End. I certify that this Aircraft has been inspected accordance with a **100 hour/Annual** inspection, per the scope & detail per F.A.R. 43 appendix D and was determined to be in airworthy condition at this time.

END

Signed: _____

Damone Knox A&P _____

N47831 Airframe S/N 32-7840014

DATE: 06/12/2017 TACH: 3089.45 Installed new strobe power supply assembly p/n: 01-0770028-05, s/n: 58799. End.

END

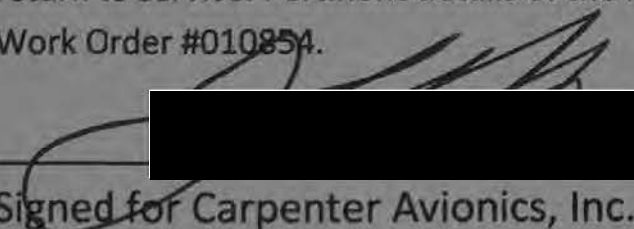
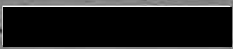
Signed: _____

Damone Knox A&P _____

**Maintenance Entry**

July 11, 2017 N47831 PA32-300 sn 32-7840014

Reinstalled repaired Garmin GNS430W 011-01060-40 sn 97111291, GMA340 011-00401-10 sn 96263439. The work described above has been inspected and found airworthy for return to service. Pertinent details of the repair are on file at this repair station under Work Order #010854.

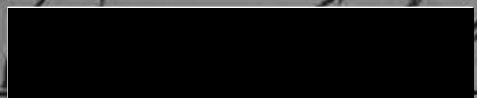

Signed for Carpenter Avionics, Inc. Repair Station 

N47831 AIRFRAME S/N: 327840014

DATE: 07/18/2017 TACH: 3163.00

Changed left main tire & tube, p/n: 6:00/6ply. End

END

Signed: 

Damone Knox A&P 

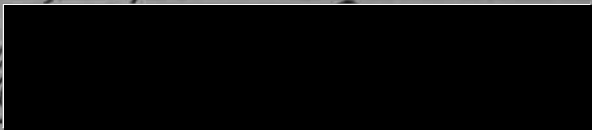
Notes

N47831 AIRFRAME S/N: 327840014

DATE: 10/14/2017 TACH: 3243.00

Changed right main tire & tube, p/n: 6:00/6ply. Installed new left & right wing molding p/n: 187-526. Installed new right brake caliper assembly p/n: 30-65. Installed new left & right brake caliper mounting plates p/n: 075-03900.End

----- END -----

Signed: 

Damone Knox A&P 