

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED - SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			



5083 Airport Road  
Midland, VA 22728  
(540) 788-9300

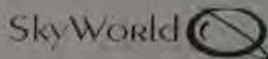
Dec 30, 2010 Reg # N32396 Serial # 28-7525060 Tach: 4876.7 TTAF 4876.7

I certify that this aircraft was inspected in accordance with my personal checklist made from Piper 100 Hour Inspection Form as a reference and was determined to be in airworthy condition. Lubed in accordance with manufactures chart. Checked all placards in place. Changed Bracket Air Filter PN BA-3. ELT inspected in accordance with CFR 91.207 - Ops check satisfactory. Replaced ELT battery with new Duracell MN1300. Battery replacement is required upon reaching the date marked on each cell. Although not required, the manufacturer strongly recommends that the batteries be replaced on a yearly basis. Remove unit battery due in 8 years from 2/2002 for a lithium batter and 4 years for an alkaline battery. Replaced landing light wire insulation. Repaired wire insulation behind #4 cylinder. Replaced brake linings. Replaced brake rotors. Replaced wheel bolts. Replace main tires and tubes. Complied with AD2009-26-12 ECI Cylinders - PN not installed. Complied with AD2010-15-10 Control Wheel Shaft by inspection per Piper SB 1197C (Nov 8, 2010, ref attached FAA letter dated Nov 17, 2010) and found to be airworthy.

William P. Kusing [Redacted]

I certify that this aircraft was inspected in accordance with CFR 43, Appendix D and was determined this aircraft to be in airworthy condition. IFR certification due August 2010. Complied with AD 76-7-12 in accordance with Para A., B. and C - Ops check OK. Complied with AD 95-26-13 by inspecting in accordance with (1) (2)(1)(1) - OK, Complied with AD 99-24-10 in accordance with Para (b)(1)(2) - OK.

[Redacted]



5083 Airport Road  
Midland, VA 22728  
(540) 788-9300

May 4, 2013 Reg # N32396 Serial # 28-7525060 Tach: ~~4876.7~~ 4887.4 TTAF ~~4876.7~~ 4887.4

I certify that this aircraft was inspected in accordance with an a 100 hour using a Piper 100 Hour Inspection Form as a reference and determined to be in airworthy condition. Repaired the following warning lights- Vacuum out and alternator warning lamp. Replace 4 panel lights. Replaced Aerotech inline filter CVID4-p. Repaired Mic switch. Replaced Tach light. Adjusted mixture linkage. Re-torqued engine mount bulkhead bolts 240 in lbs. per fig 8-6 MM. Serviced brake fluid. Checked all placards in place. Changed Bracket Air Filter PN BA-3. Lubricated IAW Piper Service Manual. ELT inspected in accordance with CFR 91.207 - Ops check satisfactory. Charged battery. Removed FOD. Check alternator bearings. Cleaned PTT contacts. Replaced nylon washers on spinner. Replaced missing hardware where required. Tightened MLG links. Checked U-joints in yoke. Repaired engine baffling. Complied with all ICAs. ELT batteries due Mar 2010. Battery replacement is required upon reaching the date marked on each cell.

Complied with AD 76-7-12 in accordance with Para A., B. and C.  
Complied with AD 95-26-13 by inspecting in accordance with (1) (2)(1)(1)  
Complied with AD 99-24-10 in accordance with Para (b)(1)(2)  
Complied with AD 2013-2-13 Stabilator Turn Buckles - no defects noted.

William P. Kusing [Redacted]

I certify that this aircraft was inspected in accordance with an Annual Inspection using CFR 43, Appendix D and Piper Annual Inspection Form as a reference and determined this aircraft to be in airworthy condition. CFR 91.411/413 certification due November 2014.

Ronald L. Gatewood [Redacted]

DATE	TOTAL HOURS SERVICED	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTAL brought forward from previous page			
16 June 2014	48.561		R#R ATTITUDE INDICATOR FOR OJLN402L [REDACTED]

May 2, 2014 Reg# N32396 Ser# 28-7525060 Tach: 4981.23 TTAF4981.23

I certify that this aircraft was inspected in accordance (IAW) a 100-Hour Inspection using my personal checklist derived from the Piper Service Manual (PSM) 100 Hour Inspection Report, and was determined to be in Airworthy Condition. Lubricated per the PSM. Replaced filters: Brackett Air Filter BA-3, Vacuum pump filter B3-5-1 and regulator Garter filter. **ELT inspected per CFR 91.207 (batteries due Mar 2016).** Serviced front strut with Granville strut sealant and MIL-5606 fluid per Granville instructions. Adjusted stabilator and aileron control cable tension per PSM Table V-II and safetied. Repaired navigation light wiring. Removed corrosion from stab trim horn, primed and painted. Removed glare shield, cleaned corrosion, primed & painted aluminum surfaces, and replaced glare shield with similar unit fabricated from light-weight temperature stabilized .040 Installed non-glare glare shield as a minor alteration. Replaced starter relay. Complied with Instructions for Continued Airworthiness for: Brackett Air Filter, Precise Flight Standby Vacuum System, Skytec starter, PlanePower alternator, Precision Aviation standby compass, Aerospace Logic digital cylinder head temp system, Visual Instruments digital volt meter, Concorde RG battery, Bogert cables, TCB composite spinner, Ameri-King ELT, and the PSM.

- Complied with AD 76-7-12 IAW paragraphs A, B, and C.
- Complied with AD 95-26-13 by inspection IAW para (1) (2) (1)(1)
- Complied with AD 99-24-10 IAW para (b)(1)(2)
- Complied with AD 2013-02-13 IAW para (g)(1) and SB1245A (Stabilator Turnbuckles) – no defects noted.

William P. Rushing [REDACTED]

I certify that this aircraft was inspected in accordance with an Annual Inspection using CFR 43, Appendix D and Piper Annual Inspection Form as a reference and determined this aircraft to be in airworthy condition. CFR 91.411/413 certification due November 2014.

Ronald L. Gatewood [REDACTED]

SUB-TOTAL this page

TOTAL—Carry forward to next page



1. Approving National Aviation Authority/Country:  
FAA/UNITED STATES

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:  
6317

4. Organization Name and Address:  
Capital Aviation  
Certified Repair Station No. OY1R391K  
10660 Aviation Lane  
Manassas, VA 20110

5. Work Order/Contract/Invoice Number:  
6317

6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/ Batch Number:	12. Status/Work:
1	Attitude Gyro	700-4CF1261B	TSO/ N/A	1		OVERHAULED

13. Remarks:

DISASSEMBLED, INSPECTED, CLEANED, REPLACED ALL WORN PARTS, OVERHAULED, REASSEMBLED, CALIBRATED, PAINTED & FUNCTIONALLY TESTED I/AW MAINTENANCE MANUAL #670-0010-001

Certifies that the work specified in Block 12/13 was carried out in accordance with EASA 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Acceptance Certificate Number: EASA.145.5467

14. Certifies the items identified above were manufactured in conformity to:

- Approved design data and are in condition for safe operation.
- Non-approved design data specified in Block 13.

19.  14 CFR 43.9 Return to Service  Other regulation specified in Block 13

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

Complied with AD 76-7-12 IAW paragraphs A, B, and C.

Complied with AD 95-26-13 by inspection IAW para (1) (2) (1)(1)

Complied with AD 99-24-10 IAW para (b)(1)(2)

Complied with AD 2013-02-13 IAW para (g)(1) and SB1245A (Stabilator Turnbuckles) - no defects noted.

William P. Rushing

I certify that this aircraft was inspected in accordance with an Annual Inspection using CFR 43, Appendix D and Piper Annual Inspection Form as a reference and determined this aircraft to be in airworthy condition. CFR 91.411/413 certification due November 2014.

1 SEP 14

5 SEP 14

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTAL</b> brought forward from previous page			
August 27, 2014	Reg# N32396	Ser# 28-7525060	Tach: 5067.00 TTAF-3067.00
100 Hour Inspection report:			
<p>I certify that this aircraft was inspected in accordance (IAW) with my personal checklist derived from the Piper Service Manual (PSM) 100 Hour Inspection Report, and was determined to be in Airworthy Condition. Lubricated per the PSM Serviced brake reservoir with MIL-5606 fluid. Replaced filters: Brackett Air Filter BA-3, Vacuum pump filter W-5-1 and regulator Garter filter. ELT inspected per CFR 91.207 (batteries due Mar 2016). Complied with Instructions for Continued Airworthiness for: Brackett Air Filter, Precise Flight Standby Vacuum System, Skytec starter, PlanePower alternator, Precision Aviation standby compass, Aerospace Logic digital cylinder head temp system, Visual Instruments digital oil meter, Concorde RG battery, Bogert cables, TCB composite spinner, Ameri-King ELT, and the PSM. Replaced missing screw in throttle handle. Re-surfaced propeller nicks. Cleaned bird's nest from under rear seat area. Cleaned mud-dauber nest from right wing aileron bell-crank area.</p> <p>Complied with AD 76-7-12 IAW paragraphs A, B, and C. (Bendix Ignition Switch)  Complied with AD 95-26-13 by inspection IAW para (1)(2)(1)(1) and Note 3. (Oil Hose Assemblies)  Complied with AD 99-24-10 IAW para (b)(1)(2). (Precise Flight SVS)  Complied with AD 2004-10-14 IAW para (e). (Sudden Engine Stoppage)  Complied with AD 2013-02-13 IAW para (g)(1) and SB1245A. (Stabilator Tumblers) - no defects noted</p>			
<p>WILLIAM P. KUSHING, III [Redacted Signature] [Redacted Signature]</p>			
1 SEP 14	5074.0		RIGHT BRAKE SOFT - TIGHTENED FITTINGS, SERVICED FLEAD PER PSM [Redacted Signature]
5 SEP 14	5093.4		REPLACED LEFT TIRE WITH NEW AIR HAWK 6.00X6 [Redacted Signature]
27 Dec 14	5118.98		RIGHT BRAKE SOFT - TIGHTENED FITTINGS, SERVICED [Redacted Signature]
AND BLEED PER PSM [Redacted Signature]			
02/20/2015 N32396 S/N 28-7525060 tach- 5156.39 Hobbs 320.2 hrs TTAF- 5156.39			
<b>Airframe Log</b>			
<p>Inspected airframe IAW a 100 hr inspection within the scope and detail of FAR 43 appendix D. Replaced right nav light with new FAA-PMA Micro Lamp #7512-12. Manufactured winterization plate and installed per Piper SM page 1E14, para 2-8. Properly saftted upper stabilator trim cable per AC 43.13-1B, page 7-43, para 7-181. Removed right brake master cylinder and replaced 2 "O" rings per SM 753-586, para 7A-68 thru 7A-72, replaced cylinder. Bled brake system per SM section VII, paragraphs 7-52 through 7-55. Replaced one right wheel bearing due to damaged cage, using FAA-PMA Timkin #13889. Repaired lower door rod. Complied with AD 76-7-12 para 1 (a), (b). Operation normal. Next due at tach 5256.39. No new AD's found. All work performed IAW AC 43.13-1B.</p>			
Signed [Redacted Signature] Herbert Degar, Jr. A&P [Redacted Signature]			

SUB-TOTAL  
TOTAL—C





DATE

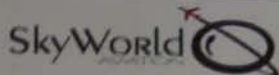
TOTAL TIME IN SERVICE

TOTAL TIME SINCE OVERHAUL

TACH OR RECORDING METER TIME

DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

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5083 Airport Road  
Midland, VA 22728  
(540) 788-9380

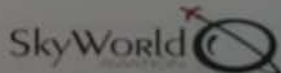
July 1, 2007 Reg # N32396 Serial # 28-7525060 Tach: 4788.15 TTAF 4788.15 TTSMOH 346.01

I certify that this engine was inspected in accordance with CFR 43, Appendix D using Piper 100 hour Inspection Form as a reference and determined to be in airworthy condition. Cleaned engine and bay. Inspected rocker arms, valve springs and replaced valve cover gasket. Added 8 quarts Phillips 20 W50 oil. Changed oil filter CH108-1. Installed 8 new plugs. Checked idle RPM and Idle Mixture. Ran engine - power check satisfactory.

Compression check.

#1 78/80 #2 75/80 #3 74/80 #4 72/80

I certify that this engine was inspected in accordance with CFR 43, Appendix D using Piper 100 hour Annual Inspection Form as a reference and determined to be in airworthy condition.



5083 Airport Road  
Midland, VA 22728  
(540) 788-9380

July 18, 2008 Reg # N32396 Serial # 28-7525060 Tach: 4812.79 TTAF 4812.79 TTSMOH 370.7

I certify that this engine was inspected in accordance with CFR 43, Appendix D using Piper 100 hour Inspection Form as a reference and determined to be in airworthy condition. Cleaned engine and bay. Inspected rocker arms, valve springs and replaced valve cover gasket. Added 8 quarts Phillips 20 W50 oil. Changed oil filter CH108-1. Installed 8 new plugs. Checked idle RPM and Idle Mixture. Ran engine - power check satisfactory.

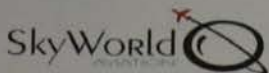
Compression check. #1 78/80 #2 78/80 #3 79/80 #4 79/80

I certify that this engine was inspected in accordance with CFR 43, Appendix D using Piper 100 hour Annual Inspection Form as a reference and determined to be in airworthy condition.

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				<b>TOTALS</b> brought forward from previous page
31 Jul 09	4862.10			OIL ANALYSIS SAMPLE TO A.D.A. "ALL NORMAL" SEE PRINTOUT



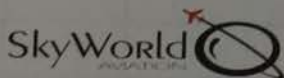
5083 Airport Road  
Midland, VA 22728  
(540) 788-9380

November 28, 2009 Reg # N32396 Serial # 28-7525060 ach: 4862.1 TTAF 4862.1 TTSMOH 346.01

I certify that this engine was inspected in accordance with CFR 43, Appendix D using Piper 100 hour Inspection Form as a reference and determined to be in airworthy condition. Cleaned engine and bay. Installed helicoil in #3 cylinder. Inspected rocker arms, valve springs and replaced valve cover gasket #1 cylinder. Sampled engine oil – wear metals normal. Added 8 quarts Phillips 20 W50 oil with 8oz CamGuard. Changed oil filter CH108-1. Checked intake system for leaks. Checked idle RPM and Idle Mixture. Ran engine – power check satisfactory.

Compression check. #1 70/80 #2 74/80 #3 72/80 #4 72/80

I certify that this engine was inspected in accordance with CFR 43, Appendix D using Piper 100 hour Annual Inspection Form as a reference and determined to be in airworthy condition. Completed ADLog Listing.



5083 Airport Road  
Midland, VA 22728  
(540) 788-9300

Dec 30, 2010 Reg # N32396 Serial # 28-7525060 Tach: 4876.7 TTAF 4876.7 TTSMOH 434.6

I certify that this engine was inspected in accordance with my personal checklist made from Piper 100 Hour Inspection Form and determined to be in airworthy condition. Cleaned engine and bay. Sampled engine oil – wear metals normal. Added 8 quarts Phillips 20 W50 oil with 8oz CamGuard. Changed oil filter CH108-1. Checked intake system for leaks. Checked idle RPM and Idle Mixture. Ran engine – power check satisfactory.

Compression check. #1 63/80 #2 70/80 #3 79/80 #4 72/80

I certify that this engine was inspected in accordance with CFR 43, Appendix D and determined to be in airworthy condition. Completed ADLog AD Listing.

Ronald L. Gatewood

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**TOTALS**-Carry forward to next page

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May 4, 2013 Reg # N32396 Serial # 28-7525060 Tach: ~~4828.1~~ <sup>4887.4</sup> TTAF ~~4828.1~~ <sup>4887.4</sup> TTSMOH 445.3

I certify that this engine was inspected in accordance with CFR 43, Appendix D using Piper 100 hour Inspection Form as a reference and determined to be in airworthy condition. Cleaned engine and bay. 6553. Removed and replaced carburetor overhauled by 2012689P. Added 8 quarts Aero Shell 100 mineral oil Changed oil filter CH108-1. Checked idle RPM and Idle Mixture. Ran engine - power check satisfactory.

Removed and replaced four cylinders repaired by 3336553:  
 #1 Cylinder new valve guides installed, cut seats, lapped valves, honed barrel fitted new P.010 rings and piston PN AEL750789P.010.  
 #2 Cylinder new valve guides installed, cut seats, lapped valves, honed barrel fitted new P.010 rings and piston PN AEL750789P.010.  
 #3 Cylinder new valve guides installed, cut seats, lapped valves, honed barrel fitted new P.010 rings and piston PN AEL750789P.010.  
 #4 Cylinder new valve guides installed, cut seats, lapped valves, honed barrel fitted new P.010 rings and piston PN AEL750789P.010.  
 Replaced pushrods with serviceable. Checked dry tappet clearance within limits and piston to complete a top overhaul.

[Redacted Signature]

[Redacted Signature]

I certify that this engine was inspected in accordance with an Annual Inspection using CFR 43, Appendix D using Piper 100 hour Annual Inspection Form as a reference and determined to be in airworthy condition. Completed ADI or Listing.

[Redacted Signature]

[Redacted Signature]

MAY 5, 2013	4887.55	GROUND AND FLIGHT CHECKS COMPLETE .5 HOUR AT STATIC RPM: 2400 ALL SYSTEMS OPERATING IN NORMAL RANGES. ENGINE RAN SMOOTH & STRONG NORMAL LYCOMING BREAK-IN PROCEDURES FOLLOWED CRUISE AT MAX CONT. RPM - CHT'S AS FOLLOWS 1: 329 2: 273 3: 302 4: 304 RECOMMEND CONTINUE BREAK-IN
MAY 12, 2013		CONTINUED BREAK-IN: 3.5 HOURS @ 75%+ POWER SETTING - TOTAL BREAK-IN 4.0
		SUB-TOTALS this page TOTALS-Carry forward to next page



LLJ

LE

SERVICEABLE

*Skyline Cylinders* #1  
15296 Skyline Drive, State Line, Pennsylvania 17263

*Skyline Cylinders* #2  
15296 Skyline Drive, State Line, Pennsylvania 17263  
717-597-1020

*Skyline Cylinders* #3  
15296 Skyline Drive, State Line, Pennsylvania 17263  
717-597-1020

*Skyline Cylinders* #4  
15296 Skyline Drive, State Line, Pennsylvania 17263  
717-597-1020

P/N 75868 S/N B4088

Part Name 0-320 P.O.D CYLINDER

Remarks: INSTALLED NEW EXHAUST GUIDE  
CUT SEATS, LAPPED VALVES, HONED BARREL  
FIT NEW P.O.D RINGS ASSEMBLED

This aircraft component was repaired and inspected in accordance with current Federal Air Regulations and was found to comply with the requirements for service

2-21-2013 [REDACTED]  
date

AY 2013 4892.80	<p>CONTINUED BREAK-IN: 1.0 HR @ 75% POWER CONDUCTED DIFFERENTIAL COMPRESSION TEST TO EVALUATE STATUS OF PISTON RING BREAK-IN ALL CYLINDERS SHOW EVIDENCE OF BLEND BY #1: 70 #2: 66 #3: 67 #4: 66 IDLE MIXTURE ADJUSTED 1 1/2 TRANS LEANER PLUGS CLEANED, TESTED, RE-INSTALLED, TOR: 42 INCH LEFT SIDE PLUGS SHOWED SIGN OF OIL BURNING SERVICED 1 QT OIL SHELL WINTER 10W CONTINUE BREAK-IN MAINTAINING RICH Mixture</p> <p>[REDACTED]</p>
	SUB-TOTALS this page
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INSTALLED NEW EXHAUST GASKETS  
LAPPED VALVES HONED BARREL  
PISTON RINGS Assembled  
repaired and inspected in accordance with current  
Federal Air Regulations

3 [REDACTED]

CONTINUED BREAK-IN: 1.0 HR @ 75% POWER

CONDUCTED DIFFERENTIAL COMPRESSION TEST TO  
EVALUATE STATUS OF PISTON RING BREAK-IN.

ALL CYLINDERS SHOW EVIDENCE OF BLOW BY.

#1: 70 #2: 66 #3: 67 #4: 66

IDLE MIXTURE ADJUSTED 1/2 TURNS LEANER.

PLUGS CLEANED, TESTED, RE-INSTALLED, TOR: 420 IN/LBS

LEFT SIDE PLUGS SHOWED SIGNS OF OIL FOULING.

SERVICED 1 QT OIL SHELL MINERAL 100W

CONTINUE BREAK-IN MAINTAINING RICH MIXTURE.

[REDACTED]

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				TOTALS brought forward from previous page
15 JUN 13			4895.61	8.2 HR SINCE TCH - CHANGED OIL & FILTER; CLEAN SCREEN & OPENED FILTER WITH NO EVIDENCE OF PROBLEMS - OIL SAMPLE SENT & RETURNED: ALL "NORMAL" - RE-FILLED W SHELL MINERAL 100 [REDACTED]
24 AUG 13			4902.85	COMPRESSION CHECK (OVER 80 PSI) #1: 72 #2: 66 #3: 72 #4: 74 - SLIGHT EVIDENCE OF OIL ON #2 PLUS - CONTINUE BREAK IN. [REDACTED]
10/2/2013			4920.43	- Changed oil and Filter, cleaned screen - Refilled with Shell Aero Mineral 100 - Saftywired [REDACTED]
27 JAN 14			4959.18	- OIL & FILTER CHANGE - SERVICED WITH PHILLIPS XC 20W-50 / TEMPLIT 48110-2 [REDACTED]
				SUB-TOTALS this page
				TOTALS-Carry forward to next page



DATE

TOTAL TIME

TOTAL

TACH OR

**SKYLINE CYLINDERS**

15296 SKYLINE DRIVE  
STATE LINE, PA. 17263  
P.O. BOX 438  
(717) 597-1020

**Customer Info**

Customer: Ron Gatewood

Company: SkyWorld Aviation, Inc.

Address: 5083 Airport Road  
Hanger #20  
Midland, VA. 22728

Shop Phone: 540-788-9300

Cell Phone:

Home Phone:

E-Mail Address

Purchase Order # N32396 &amp; Verbal-Ron

**Cylinder Info**

Date In: 1/14/2013

Quantity: 4

Mfg. &amp; Model: Lyc. O-320 \*160 Hp

Serial #

B4085 - B4087 -  
B4086 - B4088 -

Aircraft N# N32396

Tach Time:

Cyl. Time: 420 Hours S/OH

Eng. Time: 420 Hours S/OH

**CORRECTIVE ACTION**

Customer states that cylinders have four hundred and twenty hours since last overhaul and wants cylinders returned in service limits, not overhauled to new limits. Disassembled, cleaned and inspected cylinders. Installed all new exhaust guides and two new intake guides. Reamed guides to size. Cut valve seats. Resurfaced two exhaust flanges and installed four new exhaust studs as needed. Honed barrels-(P.010) for ring installation. Cleaned and inspected valves, valve springs, and spring retainers. Replaced all worn valve springs with new springs. Polished and refaced valves-(Serviceable). Hand lapped valves. Assembled cylinders with new valve springs and all new valve keys. Pressure tested valves-80/80. Cleaned and inspected all rocker arms, rocker shafts, pistons, and piston pins. Replaced all worn rocker shafts with new shafts. Installed three new rocker arm bushings and reamed bushings to size. Resurfaced rocker arm toes. Fit new P.010 rings to cylinders and P.010 pistons-(P/N AEL750789 P.010). Painted cylinders grey.

**Ring End Gaps & Side Clearances**

	#1c	#2c	#3o	#1c	#2c	#3o
B4085 Cyl.#1-	.037	.035	.024	.002	.002	.002
B4086 Cyl.#2-	.035	.035	.022	.002	.002	.002
B4087 Cyl.#3-	.038	.037	.025	.002	.002	.002
B4088 Cyl.#4-	.035	.034	.024	.002	.002	.002

Returned cylinders to above address Fed Ex ground on 2/21/2013.

TOTAL HOURS: 18

RELEASE DATE: 2/21/2013

AUTHORIZED SIGNATURE:

CERTIFICATE #

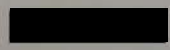
TOTALS brought forward from previous page

May 2, 2014 Reg# N32396 Ser# 28-7525060 Tach: 4981.23 TTAF: 4981.23 TTSMOH: 539.09

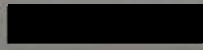
I certify that this engine was inspected in accordance with a 100-Hour Inspection using my personal checklist derived from the Piper Service Manual (PSM) 100 Hour Inspection Report and was determined to be in Airworthy Condition. Cleaned engine and bay. Replaced oil filter, Tempest AA48110 and serviced engine with Phillips XC 20W50 oil. Oil analysis (AOA, 15Apr2014) showed normal results. Replaced all spark plugs with new Tempest UREM40E. Removed right magneto (Slick 4370, S/N 01090050) to facilitate 500 hour inspection conducted by Quality Aircraft Accessories (QYIR334Y). Replaced magneto and timed to 25 deg BTDC per PSM. Replaced missing nut #2 cyl primer line support. Replaced missing nut #3 cyl exhaust stud. Replaced broken safety wire on carb heat box. Re-torqued engine air intake, exhaust, and oil-return lines. Ran engine, accomplished leak checks, idle RPM, Mixture, and static power checks: satisfactory.

Compression check: #1: 73/80 #2: 73/80 #3: 76/80 #4: 70/80

William P. Rushing



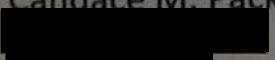
I certify that this aircraft was inspected in accordance with an Annual Inspection using CFR 43, Appendix D and Piper Annual Inspection Form as a reference and determined this aircraft to be in airworthy condition.



N32396

7/22/2014, TAC 5045.35, Hobbs 182.7 Drained old oil out and replaced oil with Phillips 20W 50 6 Quarts. Replaced oil filter with factory brand oil filter AA48110-2 and installed safety wire on the filter. Ran up the aircraft and checked for visual leaks. No leaks were detected at this time.

Candace M. Pack



Exp 06/15


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1. Approving National Aviation Authority/Country:

FAA/United States

2.

# AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:

QAA# WO1170013975

4. Organization Name and Address:

**Quality Aircraft Accessories Inc. (QYIR334Y)**  
5746 East Apache  
Tulsa, OK 74115

Phone: 1-877-833-6948  
918-835-6948  
Fax: 918-835-2804

5. Work Order/Contract/Invoice Number:

WO1170013975

6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	MAGNETO	4370	1	01090050	REPAIRED

12. Remarks:

- CSB641 CAPACITOR
- MSB644 COIL & ROTOR (AD 94-01-03R2)
- MSB645 500 HR. IMPULSE INSPECTION (AD 2005-12-06)

- SB2-80C 500 HR. INSPECTION
- SB1-98 250 HR. IMPULSE INSPECTION (AD-99-04-04)
- SB2-08B BREAKER POINT CAM
- SB3-08C CARBON BRUSH
- SB1-12 BREAKER POINT

REPAIR/500HR INSPECTION

MANUAL # L-1363F ISSUE DATE: 01/11

*Certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part 145 and in respect to that work the article is considered ready for release to service under EASA Part 145 approval no EASA 145.5982*

See Attached Work Order Summary for details. ( 2 ) pages (MECH: MB )

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

- Approved design data and are in a condition for safe operation.
- Non-approved design data specified in Block 12.

14a.  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 12 was accomplished in accordance with Title 14, Code 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.:	14b. Authorized Signature:	14c. Approval/Certificate No.:
			QYIR334Y
13d. Name (Typed or Printed):	13e. Date (dd/mm/yyyy):	14d. Name (Typed or Printed):	14e. Date (dd/mm/yyyy):
			14/APR/2014

### 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/article. Where the user/installer 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 ensure that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a 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 user/installer before the aircraft may be flown.

NSN: 0052-00-012-9005



DATE TOTAL TIME IN SERVICE TOTAL TIME SINCE OVERHAUL TACH OR RECORDING METER TIME

DESCRIPTION OF WORK PERFORMED—  
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

TOTALS brought forward from previous page

August 27, 2014 Reg# N32396 Ser# 28-7525060 Tach: 5067.00 TTAF 5067.00 TTSMOH 624.86  
 100 Hour Inspection report: LYCOMING O-320 E3D SERIAL # L-37493-27A

I certify that this engine was inspected in accordance with my personal checklist derived from the Piper Service Manual (PSM) 100 Hour Inspection Report and was determined to be in Airworthy Condition. Cleaned engine and bay. Took oil sample for analysis. Inspected/cleaned spark plugs and bore-scoped cylinders (plugs and cylinders showed excellent combustion characteristics). Re-torqued engine air intake, exhaust, oil-return lines and valve-covers. Ran engine (+24C, PA +40'), accomplished leak checks, idle RPM (700), mixture, mag-drop (50/50), static power checks (2400 RPM), vacuum/SVS and mag-switch function: satisfactory.

Compression check: #1: 68/80 #2: 66/80 #3: 73/80 #4: 74/80

[Redacted Signature]

[Redacted Signature]

9/5/2014 5095.43

5095.43

oil + filter change / serviced with Phillips <sup>6 qts</sup> XC 20W50

tempstat filter AA481102 [Redacted]

1/11/2014 5124.58

5124.58

Oil + filter change / serviced with Phillips <sup>6 qts</sup> XC 20W50

Tempstat filter AA 48110-2 and serviced [Redacted]

02/20/2015 N32396 s/n 28-7525060 tach 5156.39 TTAF 5156.39 Hobbs 320.2 hrs Lyc O-320-E3D s/n L-37493-27A TSMOH 724.25

**Engine Log**

Inspected engine IAW with a 100 hr inspection within the scope and detail of FAR 43, appendix D. Removed, cleaned and inspected spark plugs, re-installed using new gaskets, rotated IAW Lycoming Service Letter No. L192B and torqued to 35 ft/lbs per SL 1042Z. Tightened left muffler to exhaust pipe clamp. Left muffler shroud clamp found detached from muffler- installed properly after muffler inspection. Inspected muffler- no defects found. Compression check: #1- 70/80, #2- 61/80, #3- 72/80 and #4- 72/80. No AD's due at this time. Ran engine, no leaks detected.

Signed: [Redacted] Herbert Degan, Jr [Redacted]

SUB-TOTALS this page

TOTALS-Carry forward to next page