

N848 T

#2

**TEXTRON** Lycoming

# ENGINE LOG

SSP-1872-1

## ENGINE LOG

Serial No.

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
11-10-08	TACH	:3754.5	CHANGED OIL AND FILTER. SERVICE W/ 11 QTS AS100W, LK CK OK  JQ [Signature] 561926478 AB		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

# *Turbine Aircraft Services, L.L.C.*

MODEL: PA-32R-301 N: 848T

## ENGINE LOG ENTRY

PAGE: 1 of 1

S/N: 3213027

MODEL: IO-540-KIG5D

S/N: RL-27438-48A

DATE: 2-26-09

AFTT: 3764.5 HM: 1954.2

TACH: 3764.5

TSD: 1738.3

1. Completed 100 Hr. Inspection In Accordance With Part 43 Appendix (D) Inspection Guide.
2. Cleaned Fuel Filters.
3. Changed Oil And Filter, Old Filter Inspected, No Contamination Found. Serviced Engine With Aeroshell 80W Filter P/N CH48103-1.
4. Compression Check, Cylinders 1) 78/80 2) 72/80 3) 74/80 4) 71/80 5) 76/80 6) 76/80.
5. Cleaned, Gapped And Tested Spark Plugs.
6. Cleaned Fuel Nozzles.
7. Set Magneto To Engine Timing.
8. Installed All New Exhaust Flange Gaskets P/N 77611
9. Installed All New Rocker Box Cover Gaskets P/N 67193.
10. Installed All New Rocker Box Cover Drain Line Hoses P/N STD-2180.
11. Installed New Induction Air Filter P/N 3A-BA104.
12. Installed New Induction Drain Line Fitting P/N 492-091.
13. Complied With A.D. 2009-02-03 Precision Airmotive Fuel Servo Plug Inspection. Installed New Gasket P/N 2577258.
14. Washed Engine And Completed Satisfactory Ground Run, No Leaks Noted.
15. A.D. 2008-14-07 Effective Date 8/14/08. Lycoming Fuel Injections Lines Inspected In Accordance With MSB342E, No Defects Noted. Reinspection Due In 100 Hours Or AFTT 3864.5

I Certify That This Aircraft Engine Has Been Inspected In Accordance With A 100 Hr. Inspection And Was Determined To Be In Airworthy Condition For Return To Service At This Time, Reference To Work Order 09-5695 Dated 2-26-09

SIGNED: 

FOR: Michael Harbison  
Turbine Aircraft Services, L.L.C.  
5831 Tulakes Ave. Hangar 16, Wiley Post Airport  
Bethany, OK 73008

A&P # 44470224 IA

## ENGINE LOG

Serial No. \_\_\_\_\_

*Turbine Aircraft Services, L.L.C.*

MODEL: PA32R-301 N: 848T

ENGINE LOG ENTRY

PAGE: 1 of 1

S/N: 3213027

MODEL: IO-540-AIG5D S/N: RL-27438-48A

DATE: 4-21-09

AFTT: 3814.0

TACH: 3814.0

TSD: 1787.7

1. Changed Engine Oil And Filter. Inspected Old Filter, No Metal Found. Serviced Engine With Aeroshell 100W Oil. Washed Engine, Ran Engine, No Leaks Noted. P/N CH48103-1 Oil Filter.

Ref.W/O #09-5757 Dated 4-21-09

SIGNED: \_\_\_\_\_

*Cody A. Harbison*

A&P # 2962302

Cody A. Harbison  
Turbine Aircraft Services, L.L.C.  
5831 Tulakes Ave. Hangar 16, Wiley Post Airport  
Bethany, OK 73008

Total to Date

Certificate Number MUST be shown.

# ENGINE LOG

Serial No. \_\_\_\_\_

*Turbine Aircraft Services, L.L.C.*

MODEL: PA32R-301

NNBR: 848T SN: 3213027

ENGINE LOG ENTRY

MODEL: IO-540-KIG5D S/N: RL-27438-48A

PAGE: 1 of 1

DATE: 6-2-2009

AFTT: 3862.3

TACH: 3862.3

TSD: 1836.1

1. Changed Oil And filter, P/N CH48103-1. Inspected Old Filter, No Contamination Found. Serviced Engine With Aeroshell 100W Oil. Washed Engine, Ran Engine, No Leaks Noted.

Ref. W/O 09-5789

Dated 6-2-2009

SIGNED: 

Ryan J. Morphew

Turbine Aircraft Services, L.L.C.

5831 Tulakes Ave. Hangar 16, Wiley Post Airport

Bethany, OK 73008

A &amp; P# 3109029

			Page Total
			Brought Forward
			Total to Date

All Repair Data Must Bear the Endorsement of a  
Certificated Mechanic, and his Rating and  
Certificate Number MUST be Shown.

## ENGINE LOG

Serial No. \_\_\_\_\_

*Turbine Aircraft Services, L.L.C.*

MODEL: PA32R-301 S/N: 3213027

ENGINE LOG ENTRY

PAGE: 1 of 1

NNBR: 848T

MODEL: IO-540-K165D S/N: RL-27438-48A

DATE: 8-4-09

AFTT: 3913.9

TACH: 3913.9

TSO: 1887.7

1. Changed Oil And Filter, Inspected Old Filter, No Metal Found. Serviced Engine With Aeroshell W100 Oil. Washed Engine, Ran Engine, No Leaks Or Defects Noted. Filter P/N CH48103-1.

Ref. W/O 09-584I Dated 8-4-2009

SIGNED: \_\_\_\_\_

*Cody A. Harbison*

FOR: \_\_\_\_\_

Cody A. Harbison

ABP # 2962302

Turbine Aircraft Services, L.L.C.

5831 Tulakes Ave. Hangar 16, Wiley Post Airport

Bethany, OK 73008

Brought Forward

Total to Date

Certificated Mechanic, and his Rating and  
Certificate Number MUST be Shown.

# ENGINE LOG

Serial No. \_\_\_\_\_

*Turbine Aircraft Services, L.L.C.*

MODEL: PA32R-301 S/N: 3213027  
NNBR: 848T

ENGINE LOG ENTRY  
MODEL: IO-540-KIG5D S/N: RL-27438-48A

PAGE: 1 of 1  
DATE: 9-28-09

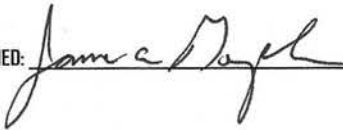
AFTT: 3973.1

TACH: 3973.1

1. Changed Oil And Filter, Inspected Old Filter, No Metal Found. Serviced Engine With Aeroshell W100 Oil. Washed Engine, Ran Engine, No Leaks Or Defects Noted. Filter P/N CH48103-1.

Ref. W/O 09-5880 Dated 9-28-2009

SIGNED: \_\_\_\_\_



FOR: \_\_\_\_\_

James C. Morphew  
Turbine Aircraft Services, L.L.C.  
5831 Tulakes Ave. Hangar 16, Wiley Post Airport  
Bethany, OK 73008

AGP # 442589115

Total to Date

Date 1-10-10  
WO # 9037  
N- 848T



(405) 495-0457  
Fax (405) 495-9021

5508 N. Rockwell  
Bethany, OK 73008 USA  
Faa CRS# HX2R888K

Eng Type I0540K1650  
S/N 3213027  
Time 3995.0

This engine removed from N 848T for major overhaul. Engine disassembled & cleaned. All steel parts magnafluxed. All ferrous parts zygloed. Crankshaft is standard rods and .003 under sized on mains. Connecting rods rebushed and installed with new bearings, bolts and nuts. Counterweight bushings on shaft replaced. Counterweights installed with new pins, plates and circlips. Crankcase reworked and certified by CRS-H1HR096O. Camshaft and lifter bodies reworked and certified by CRS-DD2R764K. Crankcase assembled with new .003 undersized main bearings. Cylinders are standard steel. New guides and exhaust valves. New pistons, rings and piston pin plugs. Cylinders installed torqued. Fuel servo overhauled by CRS-BF2R714K. New fuel pump installed. Prop governor overhauled by CRS-QYIR334Y. Magneto S/N G07GA122R overhauled by CRS-HX2R888K. Engine baffle reworked and installed. New fluid carrying hoses. Engine reinstalled on N848T with new lord mounts. Filled with



Aero Shell 40 non-detergent oil and ground run satisfactorily. AD 97-15-11 complied with on piston pin inspection. AD 2000-18-53 complied with on oil filter plate. AD 2008-14-7 complied with on fuel line. Service Instruction 14727B complied with on ground run. Service Bulletin 240 U complied with on 100% parts replacement. MSB 518C complied with on vernatherm - New style installed.

This engine and/or component was repaired and inspected in accordance with current regulations of the F.A.A. and is approved for return to service. Pertinent details of the repair are on file at this agency under work order

No. 9037

Signed [Signature] Date 1-10-10

D & B AIRCRAFT ENGINES

5508 N. ROCKWELL

BETHANY, OKLA. 73008

FAA Certified repair station #HX2R888K

## *Turbine Aircraft Services, L.L.C.*

MODEL: PA32R-301  
NNBR: 848T SN: 3213027

ENGINE LOG ENTRY  
MODEL: IO-540-KIG5D S/N: RL-27438-48A

PAGE: 1 of 1  
DATE: 3-12-2010

AFTT: 3999.3

HM: 2191.8

TSO: 4.3

### INSPECTION ITEMS

- Completed A 100 Hour Inspection Using Part 43 Appendix (D) Inspection Guide.

### AIRWORTHINESS DIRECTIVES AND SERVICE BULLETINS

- Found A.D. 2009-02-03 Precision Airmotive Fuel Servo Plug Gasket Complied With At Overhaul By Martin Induction Systems Inc., Dated 1-6-10 W/O 582 CRS BF2R714K.
- Complied With A.D. 2008-14-07 Effective Date 8/14/08. Lycoming Fuel Injection Lines Using MSB342E. No Defects Noted. Reinspect In 100.0 Hours Or At AFTT 4099.3.

### MISCELLANEOUS MAINTENANCE AND REPAIRS

- Cleaned Fuel Screens.
- Compression Check 1.) 78/80 2.) 78/80 3.) 77/80 4.) 78/80 5.) 78/80 6.) 76/80.
- Oil And Filter To Be Replaced At 25.0 Hours Or AFTT 4020.0 Hours.
- Washed Engine.
- Completed Satisfactory Ground Run. No Leaks Noted.

I Certify That This Engine Has Been Inspected In Accordance With A 100 Hour Inspection And Was Determined To Be In Airworthy Condition For Return To Service At This Time, Reference To Work Order 10-5978 Dated 3-12-2010.

SIGNED: 

FOR:

Michael Harbison

Turbine Aircraft Services, L.L.C.

5831 Tulakes Ave. Hangar 16, Wiley Post Airport  
Bethany, OK 73008

A&P 0033983561A

ENGINE MODEL:  
IO-540-K1GSD  
ENGINE S/N:  
RL-27438-43A  
REG. NO. N848T  
WORK ORDER: 50008

### Turbine Aircraft Services LLC

5831 Tulakes Ave, Hangar 16  
Bethany, Oklahoma 73008

DATE: 4/23/2010  
A/C TSN: 4022.5  
ENG TT:  
TSMOH: 27.5  
TACH: 4022.5

Date

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#### Engine Entries

(1) Changed oil and filter, inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Aeroshell 100 Mineral oil. Engine ground normal, no leaks noted.

DATE: 4/23/2010

SIGNED

James C. Morphey, A&P: 442589115

Work Order: 50008

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ENGINE MODEL  
IO-540-K1G5D  
ENGINE S/N  
RL-27438-48A  
REG. NO: N848T  
WORK ORDER: 50108

### Turbine Aircraft Services LLC

5831 Tulakes Ave, Hangar 16  
Bethany, Oklahoma 73008

DATE: 12/14/2010  
A/C TSN: 4084 9  
ENG. TT.  
TSMOH: 89 9  
TACH: 4084 9

Date

#### Engine Entries

(1) Changed oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Aeroshell 15w50 oil. Engine ground run normal, no leaks noted.

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

DATE: 12/14/2010

SIGNED: *Michael B. Harbison*  
Michael B. Harbison, License: 0031066681A

Work Order: 50108

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ENGINE MODEL  
IO-540-K1G5D  
ENGINE S/N:  
RL-27438-48A  
REG. NO: N848T  
WORK ORDER: 50147

## Turbine Aircraft Services LLC

5831 Tulakes Ave, Hangar 16  
Bethany, Oklahoma 73008

DATE: 5/9/2011  
A/C TSN: 4127.5  
ENG TT: 4127.5  
TSMOH: 132.5  
HOBBS: 2321.4

Date

### Engine Entries

- (2) Completed a 100 hour Engine inspection, utilizing 14 CFR 43 Appendix (D) in scope and detail to inspect this Engine.  
(4) Changed oil and filter, Inspected old filter, no metal found by visual inspection. Installed new filter P/N CH48103-1 and serviced engine with 12 quarts Aeroshell 15w50 oil. Engine ground run normal, no leaks noted.  
(5) Checked magneto to engine timing.  
(6) Inspected and cleaned air filter.  
(7) Cleaned, gapped and tested spark plugs. Reinstalled using new gaskets.  
(8) Compression tested as follows: 1, 76/80. 2, 72/80. 3, 75/80. 4, 77/80. 5, 75/80. 6, 75/80.  
(9) Cleaned and inspected fuel screens.  
(12) Airworthiness Directive 2008-14-07 Amend: 39-15602 dated Aug. 14, 2008 Lycoming fuel lines. Inspected affected fuel lines per para (k) of this A.D. and Lycoming Service Bulletin 342F. No defects noted at this time. Fuel lines due inspection again in 100 hours or ACTT 4227.5.  
(34) A.D 2005-12-06. Effective date July 19, 2005. Magneto impulse coupling. Found not applicable by Teledyne Continental Service Bulletin MSB645 at this time. Magneto marked with letter "A" Snap ring impulse coupling installed. 500 hour wear inspection due at AFTT: 4495.0  
(47) Cleaned serviced and lubed aircraft. Engine ground run normal, no leaks noted.

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

DATE: 5/9/2011

SIGNED

Ryan Morphey, License #0031090291A

Work Order: 50147

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# ENGINE LOG

Date 9-23-11  
 WO # 9458  
 N- 848T



5508 N. Rockwell  
 Bethany, OK 73008 USA  
 Faa CRS# HX2R888K

(405) 495-0457  
 Fax (405) 495-9021

Eng Type TD-540-K1G5D  
 S/N RL-27438-48A  
 Time 4166.6 TACH

This engine removed from N848T for a prop strike inspection. Engine disassembled, cleaned and inspected. All steel parts Magnaflux inspected and all aluminum parts Zyglo inspected. Crankshaft run out is good. All accessory drives checked with no damage found. Engine reassembled with new seals and gaskets. Reinstalled on N848T and filled with Aero Shell 50 ND oil and ground run satisfactorily.

AD 2005-19-11  
 SB 533A

Complied with on prop strike inspection  
 Complied with on prop strike

*[Signature]*

**D & B AIRCRAFT ENGINES**  
**CRS # HX2R888K**

# ENGINE LOG

Serial No. \_\_\_\_\_

License  
Number



3000 Logan Road South Hanger  
Weatherford, OK 73096  
580-774-5393

Date: February 16, 2012  
Hobbs Time: 2404.4  
Tach Time: 4204.5

Registration: N848T  
Serial Number: 3213027

Removed oil filter and replaced with CH48103-1, drained oil, took oil sample and sent to Aviation Lab, serviced with 11 qts of Phillips XC 20W 50 oil, performed ground run with no leaks noted at this time. Aircraft approved for return to service for the work performed. Dennis K. Falasco A&P 3174880.

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## ENGINE LOG

Serial No. \_\_\_\_\_

05-21-2012 Tach & Eng. Total 4222.0 T.S.M.O.H. 227.0 S/N RL-27438-48A Engine Log

**100 Hour inspection** completed I/A/W FAR 43 Appendix D, Performed pre inspection ground runs and checked all systems, Checked prop operation. Performed compression check hot as follows. # 1-76/80,2-76/80,3-78/80,4-78/80,5-78/80,6-78/80 all checked within limits at this time. Drained oil hot, cut filter open, no metal found. Installed new Tempest filter **AA48103-2** and serviced engine with 11 Qts. **20W50 Phillips** X/C oil. Cleaned all spark plugs, gapped and reinstalled with new copper washers. Inspected exhaust system, inspected engine mount and firewall. Installed new air filter element P/N **BA-3**. Checked mag timing. Installed new L/H & R/H lower baffle stay rods. Washed engine. Complied with **AD 11-26-04** fuel injector lines and clamps inspection, no defects noted due ea. 100 hrs./annual or whenever line maintenance is performed. **AD 95-26-13** oil cooler hoses due replace by 4995.0 total time or 01-2018 whichever first. Performed post inspection ground runs and checked idle, idle mixture mag operation. Checked static power. No leaks noted for work performed.

"I certify this engine has been inspected I/A/W a 100 hour inspection was found airworthy and is approved for return to service this date."

Larry Brewer A&P 3442166 Larry Brewer Central Aviation Southwest LLC.



09-01-2012 Tach 4258.5 Hrs. N848T Engine Log

Ground run, drained oil hot. Cut filter open no metal found. Installed new Tempest AA48103-2 filter and serviced engine with 11 Qts. 20W50 Phillips X/C oil. Ground run and no leaks noted. All work performed I/A/W PA32R-301 maintenance manual and Lycoming engine manual instructions.

Larry Brewer A&P 3442166 Larry Brewer Central Aviation Southwest LLC.

N848T Engine Log  
03/22/2013 Tach 4302.0

Changed oil and filter(AA43103-2). Cut oil filter open and checked oil suction screen-no metal found. Added 9 quarts Phillips X-C oil. Ran up-all readings normal-no leaks.

Jonathan E Farmer  
Jonathan E. Farmer  
A&P 2693725

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# ENGINE LOG

Serial No. \_\_\_\_\_

Purchased  
Item:  
(P)

565-458

**Piper**

Genuine Piper Part

Date: 10/29/12  
Rev: AE  
Loc: 6641E01C

Shelf Life: Yes

License  
Number

Date

Hr

HOSE ASSY 99849-08.



Exp. Date: 10-2032

Cure Date: \_\_\_\_\_

Checklist.

Checked compression: Cyl #1 16/80, #2 12/80, #3 15/80, #4 72/80, #5 74/80, #6 70/80. Replaced AN900-10 seal on oil temp sending unit. See Engine Log entry dated 03/22/2013 for oil change information. Cleaned, gapped, tested, rotated and inverted spark plugs. Magneto received 500 hour inspection by D&B Aircraft Engines, CRS #HX2R888K. Reinstalled magneto and set timing to 20 degrees. Replaced air filter element BA-3. Replaced inboard drainback tube clamp cylinder #1. Replaced air induction hose P.N. 565-458. Filled brake reservoir with MIL 5606 fluid. Washed engine and ran up-all readings normal-no leaks.

I certify this engine inspected IAW Annual Inspection and was found to be in an airworthy condition.

*Jonathan E. Farmer*

Jonathan E. Farmer  
A&P 2693725 IA

Total to Date

All those who must use the Endorsement of a  
Certified Mechanic and the Repair and  
Certificate Number MUST be shown.

## Serial No.

[illegible]

# ENGINE LOG

Serial No. \_\_\_\_\_

## O'NEILL AIRCRAFT SALES & SERVICE

Norman, Oklahoma

7/02/2014  
Hobbs: 2577.6

N848T  
ACTT: 4369.7

Engine  
TSMOH: 374.7

Engine ran up, oil drained and filter cut open and inspected for metal. None found. Serviced with 12 qts Phillips X/C 20W50 oil. Ran compression test as follows: 1) 77/80 2) 74/80 3) 74/80 4) 72/80 5) 75/80 6) 70/80. Spark plugs cleaned, gapped and tested. Mag timing checked. Air filter PN: BA3 replaced. C/W AD 95-26-13 oil cooler hoses per Para (A) 1. C/W AD 11-26-04 fuel injection lines per Lycoming MSB-342E diagram no. 17. No defects noted, #1/#2 muffler riser assy replaced. Remaining exhaust system pressure checked ok. Engine washed down and ran up for leak checks. **I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time.**

*James Hanger*  
James Hanger  
IA3322759A&P

License  
Number

f a

# O'NEILL AIRCRAFT SALES & SERVICE

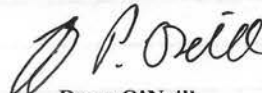
Norman, Oklahoma

7/16/2015  
Hobbs: 2653.0

N848T  
ACTT: 4443.5

Engine  
TSMOH: 448.5

Engine ran up, oil drained and filter cut open and inspected for metal. None found. Serviced with 11 qts Phillips X/C 20W50 oil. Ran compression test as follows: 1) 74/80 2) 70/80 3) 73/80 4) 75/80 5) 72/80 6) 71/80. Replaced #1 EGT probe. Spark plugs cleaned, gapped and tested. Mag timing checked. Air filter PN: BA3 replaced. C/W AD 95-26-13 oil cooler hoses per Para (A) 1. C/W AD 11-26-04 fuel injection lines per Lycoming MSB-342E diagram no. 17. No defects noted. Exhaust system pressure checked ok. Engine washed down and ran up for leak checks. **I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time.**



Ryan O'Neill  
IA3511407AP

License  
Number

of a

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# O'NEILL AIRCRAFT **ENGINE LOG** **SALES & SERVICE**

Serial No

Norman, Oklahoma

8/04/2016  
 Tach: 4483.4

N848T  
 ACTT: 4483.4

Engine  
 TSMOH: 488.4

Engine ran up, oil drained and filter cut open and inspected for metal. None found. Serviced with 11 qts Phillips X/C 20W50 oil. Ran compression test as follows: 1) 78/80 2) 74/80 3) 76/80 4) 75/80 5) 77/80 6) 77/80. Spark plugs cleaned, gapped and tested. Mag timing checked. Reattached loose baffle at Rt. aft corner. Replaced missing rocker cover screw on #5 cylinder. Replaced rocker cover gaskets (67193) on cylinder #1, 3 and 5. Insulated ignition harness at aft baffle. Air filter PN: BA3 replaced. C/W AD 95-26-13 oil cooler hoses per Para (A) 1. C/W AD 15-19-17 fuel injection lines per Lycoming MSB-342E diagram no. 17. No defects noted. Exhaust system pressure checked. Engine washed down and ran up for leak checks. **I certify that this engine has been inspected in accordance with a 100 hr. annual inspection and was determined to be in airworthy condition at this time.**

*R. P. O'Neill*  
 Ryan O'Neill

IA3511407AP  
 Certificate Number MUST be Shown.

Total to Date

License  
 Number

ENGINE LOG  
**O'NEILL AIRCRAFT SALES & SERVICE**

Norman, Oklahoma

9/01/2017  
Tach: 4593.3

N848T  
ACTT: 4593.3

Engine  
TSMOH: 598.3

Engine ran up, oil drained and filter cut open and inspected for metal. None found. Serviced with 11 qts Phillips X/C 20W50 oil. Ran compression test as follows: 1) 76/80 2) 72/80 3) 77/80 4) 74/80 5) 78/80 6) 75/80. Inspected fluid hoses and accessories for leaks and condition. Inspected engine mount and vibration isolators for condition. Spark plugs cleaned, gapped and tested. Mag timing checked. Reattached loose baffle at Rt. aft corner. Replaced missing rocker cover screw on #5 and #3 cylinders. Air filter PN: BA3 replaced. C/W AD 15-19-17 fuel injection lines per Lycoming MSB-342E diagram no. 17. No defects noted. Exhaust system pressure checked. Engine washed down and ran up for leak checks. I certify that this engine has been inspected in accordance with a 100 hr. annual inspection and was determined to be in airworthy condition at this time.

*R. P. Neill*  
Ryan O'Neill

IA3511407AP

Brought Forward

Total to Date

Certificated Mechanic, and no rating  
Certificate Number MUST be Shown.