NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured run-in and tested as prescribed by **TEXTRON LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required. All applicable Federal Aviation Administration Directives and Textron Lycoming Service Bulletins have been complied with at time of Manufacture.

MODEL TIO-540-AH1A SERIAL NO. L-11349-61A

DATE 11-8-2002 John W. Eck

(AUTHORIZED REPRESENTATIVE)

TEXTRON Lycoming

652 Oliver Street
Williamsport, PA 17701 U.S.A.

FORM NO. 777-B (Rev.3/94)

ENGINE DESCRIPTION

LYCOMING - WILLIAMSPORT, PENNA.

Manufacturer: _____ Serial No. L-11349-61A

_____ Horsepower: 300

Model: TIO-540-AH1A FAA T. C. No. E14EA

Engine Accessories	Serial No.	Weight

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

Sun Air Inc. 63354 Powell Butte Highway Bend, OR 97701
Phone: 541-383-8900 Fax: 541-312-4597

N5361J **Date: 02-27-03** **Hobbs: 51.9**

Oil change, 11qts Phillips X/C 20W50 and filter CH48110. Opened and inspected oil filter, no abnormal material found. Adjusted Vacuum up ½ turn to 5.0 in. Run-up and leak check good.

Mitchell Guinn A&P542825489IA

Sun Air Inc. 63354 Powell Butte Highway Bend, OR 97701
Phone: 541-383-8900 Fax: 541-312-4597

N5361J **Date: 07-01-03** **Hobbs: 105.0**

Oil change, 12qts Phillips X/C 20W50 and filter CH48110. Opened and inspected oil filter, no abnormal material found. Oil sample taken. Run-up and leak check good.

Mitchell Guinn A&P542825489IA

Sun Air Inc. 63120 Powell Butte Highway Bend, OR 97701
Phone: 541-383-8900 Fax: 541-312-4597

N5361J **Date: 10-10-03** **Hobbs: 148.4**

Oil change, 10qts Phillips X/C 20W50 and filter CH48110. Opened and inspected oil filter, no abnormal material found. Oil sample taken. Run-up and leak check good.

Dave Harvey A&P5428602571A

Carry Forward

and Remarks	Signature	Certificate No.

Airtime Aviation 63120 Powell Butte Highway Bend, OR 97701
Phone: 541-383-8900 Fax: 541-312-4597

N5361J

~~N79MJ~~ **Date: 02-06-04** **Hobbs: 153.2** **EngTT: 153.2**

Completed an annual inspection IAW Piper Service Manual and 100hr/Annual checklist. Performed differential compression check. **#1: 78/80, #2: 75/80, #3: 78/80, #4: 75/80, #5: 76/80, #6: 77/80**. Removed spark plugs, cleaned, inspected, gapped, tested, rotated and reinstalled. Retimed right magneto. ADs current through 2004-02. All ops and leak checks OK. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Dave Harvey A&P542860257IA

Chuckanut Aviation Center

N5361J **Piper PA 32R-301T**

Date: March 23, 2004 **Tach Time: 172.4**

Removed propeller, air conditioner, propeller governor, oil coolers, and non engine accessories to allow shipment of engine to Lycoming factory. Factory to perform internal inspection of engine due to failure of turbocharger bearings and possible metal contamination. Engine TIO-540-AH1A serial number L-11349-61A. Processed under Lycoming warranty claim.

Lin L. Holdeman II A&P 132664234

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

LYCOMING
A Textron Company

652 Oliver Street
Williamsport, PA 17701

5/6/04 Engine s/n **L-11349-61A** was removed from service with 172.4 TSN and returned to Lycoming for inspection/repair due to loss of oil at Turbo. Engine was disassembled, cleaned, and inspected. Engine was reassembled replacing (1) crankshaft with serial number AV537933274, (1) turbocharger serial number HCL00029, (1) fuel pump serial number E2687, (1) left magneto serial number 04032176, (1) starter serial number F4P-290258, (1) oil sump baffle, and (1) turbo oil drain tank. Also replaced were (2) oil pump impellers, all cylinders including valves, springs, and seats, all bearings, rings, piston pins, all other hardware necessary for the repair, and all perishable items. Hoses were flushed and/or replaced. Engine was tested in accordance with Lycoming specifications and is determined to be in an airworthy and safe operating condition. Additional service bulletins and instructions complied with 240S, 342D (2002-26-01), 475C, 532, 539A, 554, 555A, and SI 1267C, 1424, and 1487. All pertinent data relating to this work is on file at Lycoming under work-order **CR04033.**

S. A. Bower Repairman #2737768
Repair Station EJ1R115K

END

Carry Forward

and Remarks	Signature

Chuckanut Aviation Center
N5361J **Piper PA32R301T**

June 1, 2004 **Tach Time: 172.4**

Reinstalled engine after inspection by Lycoming factory. Installed **TIO-540-AH1A** serial number *L-11349-61A*. Installed using Ly service and overhaul manuals. Installed same propeller Hartzell model **HC-13YR-1RF** serial number *HK851B* after inspection and Propeller Service, Inc. W.O.# 103841. Installed same propeller governor Hartzell **V-5-6** serial number *G297J* after overhaul and fu West, W.O.# 18660. Both oil coolers were flushed and inspected by Pacific Oil Cooler Serivce, Inc W.O.# 42285/42286. One was r warranty with new. All remaining oil and fuel hoses were flushed and inspected for debris. The preservative oil was drained from the turbocharger compressor, supervised by Brian Costello, Lycoming Field/Technical Specialist. Engine was pre-oiled, and fuel injection air-conditioning system was not separated during this process. The sparkplugs were removed, cleaned and reinstalled. Engine was oil w Aeroshell 15W50 oil. Battery charged to capacity. Performed engine test run per Lycoming service instruction 1427B and engine contr overhaul manual. Engine determined safe for flight test portion of S.I. 1427B. Lin L. Holdeman II A&P 132664234

and Remarks	Signature	Certificate No.

Chuckanut Aviation Center
N5361J Piper PA32R301T

June 1, 2004 **Tach Time: 172.4**

Reinstalled engine after inspection by Lycoming factory. Installed **TIO-540-AH1A** serial number **L-11349-61A**. Installed using Lycoming and Piper's service and overhaul manuals. Installed same propeller Hartzell model **HC-13YR-1RF** serial number **HK851B** after inspection and flush by Northwest Propeller Service, Inc. W.O.# 103841. Installed same propeller governor Hartzell **V-5-6** serial number **G297J** after overhaul and function test by Wings West, W.O.# 18660. Both oil coolers were flushed and inspected by Pacific Oil Cooler Serivce, Inc W.O.# 42285/42286. One was replaced under Piper warranty with new. All remaining oil and fuel hoses were flushed and inspected for debris. The preservative oil was drained from the engine and turbocharger compressor, supervised by Brian Costello, Lycoming Field/Technical Specialist. Engine was pre-oiled, and fuel injection system flushed. The air-conditioning system was not separated during this process. The sparkplugs were removed, cleaned and reinstalled. Engine was oil with 11 quarts of Aeroshell 15W50 oil. Battery charged to capacity. Performed engine test run per Lycoming service instruction **1427B** and engine controls rigged per overhaul manual. Engine determined safe for flight test portion of S.I. 1427B. Lin L. Holdeman II A&P 132664234 L L Holdeman II

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
7/1/04				N536NJ HM: 207.0 Changed oil - Aeroshell 15W50. Replaced filter, sampled oil for analysis Richard A. Marshall A+P 1230571
9-28-2004	Hobbs 253.4			change oil using Aero shell sample engine oil for oil
				CWAD 2002-26-01 fuel inj
12-2-04	HOBBS 268			COMPRESSION TEST - #1 -
				REMOVED, CUT OPEN + INSPECTED
Total To Carry Forward				

and Remarks	Signature	Certificate No.
15-50W. Change oil filter using CH 48110. Analysis. Top off brake reservoir. Ck Tire pressure	Richard Langston #P572648724	
lines MSD 342D 75/80 #2 - 76/80 #3 - 78/80 #4 - 75/80 #5 - 76/80 #6 - 77/80.		
OIL FILTER, INSTALLED NEW FILTER.	A&P585251142IA	

ENGINE LOG

	Engine Time	Recorder

Piper

AVERITT AVIATION Inc
Eng S/N L-11349-61A
January 25 2005

N 5361J
ACTT 288.8
Tach 288.8

Identify this *Engine/Prop* has been inspected in accordance with an *Annual* inspection and was determined to be in Airworthy Condition Work order # 50266

Signed Samuel J Murphy
For AVERITT AVIATION INC N9VR084I

Changed oil and filter serviced engine as required with A/S 15W50 Cleaned and gapped spark plugs Compression read 1) 76/80 2) 78/80 3) 78/80 4) 76/80 5) 76/80 6) 78/80 Complied with AD 82-20-01 fuel injector line inspection per Lycoming SB 342F Piper SB 1164 and Lycoming SB 557 fuel pressure port leakage N A per fuel pump S N Removed old alternator P/N 10541011-1(28) S/N 78612 and Installed new alternator P/N 30-22492 S/N 2004854742

The maintenance identified above has been inspected and with respect to work performed the item is approved for return to service Pertinent details of the repair are on file under work order number 50266

Signed Samuel J Murphy
For AVERITT AVIATION INC N9VR084I

To
Ca.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
4-15-05	338.0			CHANGE OIL & FILTER - REPLACE FILTER
		WITH CH48110 & PUT 10 QTS AEROSHELL 15W50		
		CHECKED	HOSES - FITTINGS - WIRES ALL FOUND	
		GOOD. CUT OPEN FILTER, FOUND NO METAL.		
		TORQUE	FILTER - WIRED & RAN. CHECKED	
		FOR OIL	LEAKS - NONE FOUND.	
				[signature]
				MECH# 2840825
Total To Carry Forward				

and Remarks	Signature	Certificate No.

6/15/05 Hobbs:0383.5 Oil Change

Compression Check #1-76/80, #2-74/80, #3-74/80, #4-75/80, #5-75/80, #6-75/80. Replaced both gaskets on R/H Mag. Replaced both gaskets on vacuum pump. Resealed 3 oil fittings on engine. Changed oil and filter with 10qts. of Exxon 20w50 and 1 CH48110-1 filter. Tighten Valve Cover screws.

Richard I. Mick

A&P 415570786

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
				Oil Change
11/16/05 Hobbs:0434.8				Changed oil & filter with 10qts. Exxon 15w50 & one CH 48110-1. Sent off oil sample & washed engine. Richard I. Mick A&P 415570786
Total To Carry Forward				

and Remarks	Signature	Certific

piper

N 5361J
TT: 458.0
Hobbs: 458.0

AVERITT AVIATION INC
Eng S/N L-11549-61A
January 12, 2006

I certify this Engine/Prop has been inspected in accordance with an ***Annual*** inspection and was determined to be in Airworthy Condition. Work order # 50413

Signed: Samuel J Murphy
For AVERITT AVIATION INC N9VR084I

Changed oil and filter serviced engine as required with Exxon 20W50. Cleaned and gapped spark plugs Compression read 1) 77/80 2) 79/80 3) 76/80 4) 77/80 5) 77/80 6) 76/80. Complied with AD 02-26-01 incl more not inspection per Lycoming SB # 342E. C/W AD 84-26-02 by installing new induction air filters P/N Propeller not compliance at Hobbs 958.0. AD 2005-19-11 Crankshaft replacements does not apply per Lycoming Propeller Service does not apply. Reinstalled engine data plate with new studs P/N STD 1961. Installed new rocker ~~The aircraft was repaired in accordance with the manufactures maintenance manuals. All systems~~ ~~interupted have been tested and/or leak checked as necessary~~

The maintenance identified above has been inspected and with respect to work performed the item is approved for return to service. Pertinent details of the repair are on file under work order number 50413.

Signed: Samuel J Murphy
For AVERITT AVIATION INC N9VR084I

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
4-10-2006	478.8			CHANGE OIL & FILTER - REPLACE
				FILTER WITH CH49110 & 9 QTS
				EXCEL - 1 PINT CAMGUARD. CHECKED
				ALL HOSES & FITTINGS & WIRES, ALL
				OK. CUT FILTER FOUND NO METAL.
				TORQUE - WITH NEW FILTER
				COMPLETED RUN-UP. FOUND NO
				PROBLEMS
				2840825
Total To Carry Forward				

arks	Signature

H.M.504.2
7-24-06

Middle Tennessee Aviation
760 Franklin rd
Lebanon,TN 37087

N5361J

.C hanged oil and filter.ser. with 11qts 20W50 .installed one can of
:am lube.replaced gaskets on vacumn pump and inlet and outlet
ines on turbo charger.replaced gasket on prop gov.gnd run leak
hecked normal. This acft is approved for return to service.

Glyn Roe

Glyn Roe 1963358IA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

11-10-06

Middle Tennessee Aviation
760 Franklin rd
Lebanon,TN 37087

N5361J
Tach 525.4

Changed oil and filter. Inspected oil filter. Serviced with Exxon
0W50 oil and Ch48110-1 oil filter. Ground run and leaked ck
normal. This aircraft is approved for return to service.

Ray Lewis
2774176

Total To Carry Forward				

and Remarks	Signature	Certificate No.

12-21-06
Hobbs.551.6

Middle Tennessee Aviation
760 Franklin Rd
Lebanon,Tn 37087

N5361J
PA-32r-301T

Changed oil and filter. Serviced engine with 10 qts Exxon Elite 20W50 oil and Ch48110-1 filter. Added 1ea 16 oz ASL Cam Guard supplement Gnd run and leaked ch'd no leaks noted. This engine is approved for return to service.

Glyn Roe
1963358ia

and Remarks	Signature	Certificate No.

AMERICAN AVIATION

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

REG. N5361J
MODEL TIO-540-AH1A
S/N L-11349-61A
DATE 2/16/2007

W.O. 07-2751
HOBBS 593.5
T.T. 593.5
TSMOH N/A

- DRAINED ENGINE OIL.
- SERVICED ENGINE WITH 12 QTS OF PHILLIPS XC 20W50.
- REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW CH48110-1 OIL FILTER AND SAFTIED.
- GROUND RAN AIRCRAFT WITH NO LEAKS NOTED.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in the Piper PA32R-301T mlm this maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 07-2751.

Auth. Mech. [signature]
Auth. Insp. [signature]

ENGINE LOG

AMERICAN AVIATION

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

REG. N5361J
MODEL TIO-540-AH1A
S/N L-11349-61A
DATE 3/30/2007

W.O. 07-2781
HOBBS 617.4
T.T.
TSMOH

- DRAINED OIL. SERVICED ENGINE WITH 12 QTS OF PHILLIPS 20W50 .
- REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW CH48110-1 OIL FILTER AND SAFTIED.
- GROUND RAN AIRCRAFT WITH NO LEAKS NOTED.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in the Piper PA32R301 Maintenance Manual the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 07-2781.

Auth. Insp. [signature]

Total To Carry Forward

AMERICAN AVIATION

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

REG. N5361J
MODEL TIO-540-AH1A
S/N L-11349-61A
DATE 5/15/2007

W.O. 07-2829
HOBBS 651.4
T.T.
TSMOH

- DRAINED OIL. SERVICED ENGINE WITH 12 QTS OF PHILLIPS 20W50 X/C.
- REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW AA48110-1 OIL FILTER AND SAFTIED.
- TOOK OIL SAMPLE AND SENT TO AVIATION LABS FOR ANALYSIS.
- GROUND RAN AIRCRAFT WITH NO LEAKS NOTED.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in the Piper PA32R-301T m/m

the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 07-2829.

Auth.
Insp. Will Sit

ENGINE LOG

AMERICAN AVIATION

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

REG. N5361J
MODEL TIO-540-AH1A
S/N L-11349-61A
DATE 7/10/2007

W.O. 07-2864
HOBBS 679.0
T.T. 679.0
TSMOH N/A

- ✈ DRAINED ENGINE OIL.
- ✈ SERVICED ENGINE WITH 12 QTS OF PHILLIPS XC 20W50.
- ✈ REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW CH48110-1 OIL FILTER AND SAFTIED.
- ✈ REMOVED WASTEGATE VALVE. INSTALLED OVERHAULED WASTEGATE VALVE P/N 470954-0009 S/N EHN15212, USING NEW GASKETS P/N 75845.
- ✈ GROUND RAN AIRCRAFT WITH NO LEAKS NOTED.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in the Piper PA32R-301T S/m the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 07-2864

Auth.
Insp. [signature]

To
Co

AMERICAN AVIATION

No.

REG. N5361J
MODEL TIO-540-AH1A
S/N L-11349-61A
DATE 10/4/2007

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

W.O. 07-2923
HOBBS 712.1
T.T. 712.1
TSMOH

✈ DRAINED OIL. SERVICED ENGINE WITH 12 QTS OF PHILLIPS XC 20W50.
✈ REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW CH48110-1 OIL FILTER AND SAFTIED.
✈ GROUND RAN AIRCRAFT WITH NO LEAKS NOTED.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in the Piper PA32R-301T Maintenance Manual the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 07-2923.

Auth.
Insp. [signature]

ENGINE LOG

AMERICAN AVIATION

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

REG. N5361J
MODEL TIO-540-AH1A
S/N L-11349-61A
DATE 1/15/2008

W.O. 08-2990
HOBBS 753.9
T.T.
TSMOH

- ✈ DRAINED OIL. SERVICED ENGINE WITH 12 QTS OF PHILLIPS 20W50XC.
- ✈ REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW CH48110-1 OIL FILTER AND SAFTIED.
- ✈ GROUND RAN AIRCRAFT WITH NO LEAKS NOTED.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in the Pipers PA32R-301T Maint. Manual the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 08-2990.

Auth. insp. [signature]

ENGINE LOG

AMERICAN AVIATION

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

REG. N5361J
MODEL TIO540AH1A
S/N L-11349-61A
DATE 7/15/2008

W.O. 08-3118
HOBBS 793.5
T.T. 793.5
TSMOH N/A

enance

- DRAINED OIL. SERVICED ENGINE WITH 12 QTS OF 20W50XTC.
- REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW CH48110-1 OIL FILTER AND SAFTIED.
- INSTALLED FOUR NEW VALVE COVER SCREWS P/N STD1925 AS REQUIRED.
- GROUND RAN AIRCRAFT WITH NO LEAKS NOTED.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in the Piper PA32R-301T Maintenance Manual the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 08-3118.

Auth.
Insp. [signature]

Carry forward

AMERICAN AVIATION

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

e No.

REG. N5361J
MODEL TIO540AH1A
S/N L-11349-61A
DATE 10/1/2008

W.O. 08-3175
HOBBS 843.8
T.T.
TSMOH

→ DRAINED OIL. SERVICED ENGINE WITH 12 QTS OF PHILLIPS 20W50XC.
→ REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW CH48110-1 OIL FILTER AND SAFTIED.
→ GROUND RAN AIRCRAFT WITH NO LEAKS NOTED.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in PA32R-301 M/M the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 08 3175.

Auth.
Insp. Peter C Hester

ENGINE LOG

AMERICAN AVIATION

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

REG. N5361J
MODEL TIO-540-AH1A
S/N L-11349-61A
DATE 2/9/2009

W.O. 09-3244
HOBBS 862.8
T.T. 862.8
TSMOH N/A

- ✈ COMPLIED WITH A 100 HOUR / ANNUAL INSPECTION IAW FAR 43 APPENDIX D USING PIPER PA-32R-301T MAINTENANCE MANUAL CHAPTER 5-20-00 AS A REFERENCE.
- ✈ CHECKED ALL AD'S THRU CURRENT REVISION 2008-25. COMPLETED AN AD COMPLIANCE RECORD.
- ✈ DRAINED OIL. SERVICED ENGINE WITH 12 QTS OF 20W50 XC.
- ✈ COMPRESSION TEST RESULTS: 1) 78/80 2) 78/80 3) 76/80 4) 78/80 5) 76/80 6) 78/80
- ✈ REMOVED, CLEANED, GAPPED, INSPECTED, PAINTED, REINSTALLED, AND TORQED ALL SPARK PLUGS.
- ✈ REMOVED BOTH MAGNETOS FOR 500 HOUR INSPECTION. INSTALLED 500 HOUR INSPECTED LEFT MAGNETO M/N 6361 S/N 04032176 AND RIGHT MAGNETO M/N 6360 S/N 02072358. SEE MAXWELL MAGNETO YELLOW TAG.
- ✈ COMPLIED WITH AD 2008-14-07, TO PREVENT FAILURE OF FUEL INJECTOR LINES THAT WOULD ALLOW FUEL TO SPRAY INTO THE ENGINE COMPARTMENT, BY VISUAL INSPECTION OF FUEL INJECTOR LINES PER MSB342E. NO DEFECTS NOTED.

Total To Carry Forward			

and Remarks	Signature	Certificate No.
→ COMPLIED WITH AD 2008-08-14, TO PREVENT A LEAN RUNNING ENGINE, BY VISUAL INSPECTION OF SERVO HEX PLUG. NO LEAKS NOTED. TORQUE CHECKED PER AD.		
→ REPLACED #1 CYLINDER TOP PLUG WITH A NEW P/N RHB36S.		
→ GROUND RAN AND TEST FLEW AIRCRAFT WITH NO LEAKS NOTED.		
MAINTENANCE RELEASE The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in Ft Pierce PA32R-301T Maint Manual the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 09-3244. Auth. Insp.		

ENGINE LOG

Date	Engine Time: This Date	Engine Time: Since Major	Recorder Reading	Maintenance

AMERICAN AVIATION

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

REG. N5361J
MODEL TIO-540AH1A
S/N L-11349-61A
DATE 09/09/09

W.O. 09-3403
TACH 909.8
T.T. 909.8
TSMOH

- REMOVED AND REPLACED ENGINE OIL WITH 12 QUARTS OF W100.
- REMOVED CUT OPEN AND INSPECTED ENGINE OIL FILTER,NO CONTAMINATION NOTED. INSTALLED AND SAFTIED NEW OIL FILTER CH48110-1.
- GROUND RAN AIRCRAFT, NO LEAKS NOTED.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in The Piper PA 32R-301T Maint Mnl the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 09-3403.

Auth.
Insp.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

→ REMOVED EXHAUST. INSTALLED 6 NEW EXHAUST GASKETS AND REINSTALLED EXHAUST.

→ GROUND RAN AND TEST FLEW AIRCRAFT WITH NO LEAKS NOTED.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in the Piper PA32R-301T Maint Mnl

the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 10-3586.

Auth. Insp. Mill St

Total To Carry Forward				

and Remarks	Signature	Certificate No.

AMERICAN AVIATION

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

REG. N5361J
MODEL TIO-540AH1A
S/N L-11349-61A
DATE 6/2/2011

W.O. 11-3821
TACH N/A
T.T. 975.3
TSMOH N/A

- DRAINED OIL. SERVICED ENGINE WITH 12 QTS OF ASW100.
- REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW CH48110-1 OIL FILTER AND SAFTIED.
- GROUND RAN AIRCRAFT.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in Piper PA33R-301T M/M the maintenance rules of the F.A.R.'s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 11-3821.

Auth. Insp. [signature]

ENGINE LOG

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AMERICAN AVIATION

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

REG. N5361J
MODEL TIO-540AH1A
S/N L-11349-61A
DATE 8/29/2011

W.O. 11-3859
HOBBS 995.2
T.T. 995.2
TSMOH

- COMPLIED WITH A 100 HOUR/ANNUAL INSPECTION IN ACCORDANCE WITH FAR 43 APPENDIX D. USING PIPER INSPECTION GUIDE FOR REFERENCE.
- CHECKED ALL AD'S THRU CURRENT REVISION 2011-15. COMPLETED AN AD COMPLIANCE RECORD.
- LUBRICATED AIRCRAFT IN ACCORDANCE WITH PIPER PA-32R-301T MAINTENANCE MANUAL.
- COMPRESSION TEST RESULTS:
  1) 72/80 2) 72/80 3) 72/80 4) 76/80 5) 69/80 6) 74/80
- DRAINED OIL. SERVICED ENGINE WITH 12 QTS OF PHILLIPS X COUNTRY 20W50.
- REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW CH48110-1 OIL FILTER AND SAFTIED.
- REMOVED, CLEANED, GAPPED, INSPECTED, REINSTALLED, AND TORQUED ALL SPARK PLUGS.
- INSTALLED NEW TURBO OIL DRAIN GASKET P/N LW18038.
- INSTALLED 6 NEW ROCKET COVER GASKETS P/N 67193.
- COMPLIED WITH AD10-13-07, SPOT WELDED V-BAND EXHAUST COUPLING BY VISUAL INSPECTION. FOUND TO BE IN COMPLIANCE WITH CURRENT V-BAND CLAMP INSTALLED.

and Remarks	Signature	Certificate No.
✈ COMPLIED WITH AD 08-14-07, EXTERNAL FUEL INJECTION LINE INSPECTION BY VISUAL INSPECTION. NO DEFECTS NOTED.		
✈ COMPLIED WITH AD11-13-03, DEBRIS IN TURBO CHARGER. FOUND TO BE N/A PER TIME IN SERVICE OF INSTALLED TURBO CHARGER.		
✈ GROUND RAN AND TEST FLEW AIRCRAFT.		

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in the Piper PA32R-301T Maintenance the maintenance rules of the F. A. R.' s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 11-3859.

Auth. Insp. [signature]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

AMERICAN AVIATION

REG. N5361J
MODEL T10-540AHIA
S/N L-11349-61A
DATE 8/15/2012

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

W.O. 12-4099
HOBBS 1003.9
T.T.
TSMOH

- ✈ REMOVED AND REPLACED RIGHT MAGNETO P/N 6360 S/N 12060545. TIMED MAGNETO.
- ✈ GROUND RAN AND TEST FLEW AIRCRAFT.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in the Piper PA 32R-301T m/m the maintenance rules of the F. A. R.' s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 12-4099.

Auth. Insp. [signature]

Total To Carry Forward				

and Remarks	Signature	Certificate No.

AMERICAN AVIATION

REG. N5361J
MODEL TIO-540AH1A
S/N L-11349-61A
DATE 9/14/2012

HERNANDO COUNTY AIRPORT
2495 BROAD STREET
BROOKSVILLE, FLORIDA 34604
PHONE (352) 796-5173
FAX (352) 799-4681
FAA REPAIR STATION #TZ4R562M

W.O. 12-4105
HOBBS 1008.7
T.T. 1008.7
TSMOH UNK

- COMPLIED WITH A 100 HOUR/ANNUAL INSPECTION IN ACCORDANCE WITH FAR 43 APPENDIX D, USING PIPER INSPECTION GUIDE FOR REFERENCE.
- CHECKED ALL AD'S THRU CURRENT REVISION 2012-17. COMPLETED AN AD COMPLIANCE RECORD.
- LUBRICATED AIRCRAFT IN ACCORDANCE WITH PIPER'S PA32R-301T MAINTENANCE MANUAL..
- COMPRESSION TEST RESULTS:
  1) 76/80 2) 78/80 3) 78/80 4) 78/80 5) 78/80 6) 78/80
- DRAINED OIL. SERVICED ENGINE WITH 12 QTS OF PHILLIPS XC 20W50.
- REMOVED, CUT OPEN, AND INSPECTED OLD OIL FILTER. NO CONTAMINATION NOTED. INSTALLED A NEW CH48110-1 OIL FILTER AND SAFTIED.
- REMOVED, CLEANED, GAPPED, INSPECTED, PAINTED, REINSTALLED, AND TORQUED ALL SPARK PLUGS.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

→ COMPLIED WITH AD 08-14-07, BY VISUAL INSPECTION OF FUEL INJECTOR LINES AND CLAMPS FINDING NO DEFECTS.
→ COMPLY WITH 1000 HOUR TURBO CHARGER INSPECTION . NO DEFECTS NOTED.
→ GROUND RAN AND TEST FLEW AIRCRAFT.

MAINTENANCE RELEASE

The aircraft and/or component identified above was repaired and inspected in accordance with current instructions contained in the Rpm PA32R-301T m/m the maintenance rules of the F. A. R.' s under which the operator is certified and is approved for return to service as per these requirements. Pertinent details of the repair are on file at this agency under work order No. 12-4105.

Auth. Insp. _____

N5361J
Date; October 11, 2012 Hobbs: 1031.7

Drained oil and removed oil filter. No metal found. Serviced engine with 12 quarts of Aeroshell 15W-50 oil and installed new CH48110-1 oil filter. Ran engine. No oil leaks noted at this time.

Raul Bueno A&P 2614287

and Remarks	Signature	Certificate No.
Oct 24, 2012 Tach 1049.2 hrs. Changed engine oil and filter. Serviced engine with 12qts of Phillips 20w-50 and a new CH48110-1 filter. Engine was ground run. No leaks noted at this time	John A. Hamby P505749274	
Feb 12, 2013 Tach 1094.2 hrs. Changed engine oil and filter. Serviced engine with 8qt of Phillips 20w-50 and a new CH48110-1 filter. Engine was ground run, no leaks noted at this tome. End —	John A. Hamby P505749274	

SO#	13-17988	SILVERHAWK AVIATION INC.				DATE	04/22/13
REG.	N5361J	Lincoln Municipal Airport [LNK]				TACH	1096.8
MAKE	Piper	MODEL	PA-32r-3301T	SERIAL NO.	3257301		

Maintenance Record

1. Removed oil filter. Filter check OK. Installed new P/N CH48110-1 filter. Complied with 25 hour/50 hour/100 hour inspection reference Lycoming Operators Manual section 4. Compressions: #1-62/80, #2-68/80, #3-66/80, #4-65/80, #5-60/80, #6-65/80.
2. Complied with AD 2011-26-04 Amendment 39-16894 dated January 25, 2012 by visually inspecting fuel injector lines for damage and correct installation ref. SB 342(). No discrepancies noted at this time. Next compliance due at 1196.8.

The work identified above was repaired and inspected in accordance with current (CFR) Code of Federal Aviation Regulations Title 14 and is approved for return to service as airworthy. Pertinent details of the repair/repairs are on file at this agency under shop order No. 13-17988 Date 04/22/13

Signed: _____ for

Silverhawk Aviation Inc. CRS# YQSR759U
Lincoln, NE 68524

Total To Carry Forward				

and Remarks	Signature	Certificate No.
JUNE 13 [redacted] H655-1124.6 Service Engine with 11 QTS of Phillips CH. 48110-1 oil Filter Engine NO Leaks Noted AT this TIME TO AULNS FOR TESTING.	CHANGE oil 20W-50 AND NEW CUNO ground oil & Filter WAS SENT	AND Filter Run up
	Dan Burr	3695065

and Remarks	Signature	Certificate No.
July 21ST - 2013 Hobbs 1152.1 Change oil & Filter		
Service Engine with 11 QTS of Phillips 20W-50 AND		
new oil Filter CH-48110-1 Engine was Run up		
no Leaks oil & Filter sent to AU. Labs		
	Dan Burn	369506

ENGINE LOG

AIRCRAFT MAINTENANCE RECORD

Date:	October 16, 2013	Page 1 of 1 Pages		Reg. No:	N5361J
Aircraft:	Piper PA-32R-301T	Serial #	3257301	Total Time / HM:	1,188.5 / 1,188.5
Engine:	Lycoming TIO-540-AH1A	Serial #	L-11349-61A	Total Time:	1,188.5

The below listed items were accomplished in accordance with the Piper PA-32R-301T Maintenance Manual and other approved or acceptable data as applicable.

Work Order 041304022

[500] 100 Hour/Annual Inspection performed in accordance with 14 CFR, Part 43 Appendix D.

[500] Cylinder differential pressure test performed i/a/w Lycoming SI 1191A:
 # 1 = 75/80 **# 2** = 78/80 **# 3** = 78/80 **# 4** = 76/80 **# 5** = 70/80 **# 6** = 78/80

[500] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48103-1 oil filter and serviced engine with 12 quarts SAE 20W-50 Phillips X/C Aviation Oil.

[461] Valve rockers 400 hour special inspection complied with.

[462] Removed propeller and cleaned sludge from crankshaft, (500 hour special inspection).

[465] **AD 2009-02-03** (effective 02/09/2009) *Fuel Injection Servos* – complied with, letter "G" stamped on injector, no further action required.

[466] **AD 2011-26-04** (effecive 01/25/2012) *Externally Mounted Fuel Injector Fuel Lines* – Complied with paragraph (i) by inspection i/a/w Lycoming Engines MSB No. 342F. Next compliance is due at 1,288.5 engine hours.

[469] **AD 2012-19-01** (effective 10/24/2012) *Crankshafts* – not applicable per s/n

[050] Installed new 12 sparkplugs p/n RHB36S

I certify that this **engine** has been inspected in accordance with a 100 Hour/Annual Inspection and was determined to be in airworthy condition.

Signed _____

Central Flying Service, Inc.
1501 Bond Street, Little Rock, AR 72202
Gregory A Scher
Phone: (501) 375-3245, (800) 888-5387
CRS No. HBKR587E
FAX (501) 975-9596

Total To Carry Forward

and Remarks	Signature	Certificate No.
Dec 18 LL - 2013 Hobbs 1220.5 changed oil & oil Filter Service Engine with 12 QTS OF phillps 20W-50 AND New oil Filter CH-48110-1. ENGINE WAS Run up AND check For leaks. (NO Leaks)	Dan Bluve	3695065

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5-7-14	Brought Forward →			
Hobbs -	1,248.8	Change Oil And Oil		
Filter	Service Ensint with 12 QTS			
OF Phillips	20W-50 And New Oil			
Filter CH	48110-1 Ensine was			
Run up And	check For leaks			
no Leaks	Paul Bun			3695065
Total To Carry Forward				

ENGINE MAINTENANCE RECORD

Date:	November 7, 2014	Page 1 of 1 Pages		Reg. No:	N5361J
Aircraft:	Piper PA-32R-301T	Serial #	3257301	Total Time / HM:	1,284.0 / 1,284.0
Engine:	**Lycoming TIO-540-AH1A**	**Serial #**	**L-11349-61A**	**Total Time:**	**1,284.0**

The below listed items were accomplished in accordance with the Piper PA-32R-301T Maintenance Manual and other approved or acceptable data as applicable.

Work Order 041405465

[500] 100 Hour Inspection performed in accordance with 14 CFR, Part 43 Appendix D.

[500] Cylinder differential pressure test performed i/a/w Lycoming SI 1191A:
 # 1 = 65/80 **# 2** = 77/80 **# 3** = 78/80 **# 4** = 71/80 **# 5** = 76/80 **# 6** = 78/80

[500] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48103-1 oil filter and serviced engine with 12 quarts SAE 20W-50 Phillips X/C Aviation Oil.

[453] **AD 2011-26-04** (effective 01/25/2012) *Externally Mounted Fuel Injector Fuel Lines* – Complied with paragraph (i) by inspection i/a/w Lycoming Engines MSB No. 342F. Next compliance is due at 1,384.0 engine hours.

I certify that this **engine** has been inspected in accordance with a 100 Hour Inspection and was determined to be in airworthy condition.

Signed _____ *Gregory A Scher* CRS No. HBKR587E

Central Flying Service, Inc.
1501 Bond Street, Little Rock, AR 72202 Phone: (501) 375-3245, (800) 888-5387 FAX (501) 975-9596

Total To Carry Forward				

and Remarks	Signature	Certificate No.
5-14-15		
Hobbs 1,312.2 change oil And Filter		
Service Engine with 12 QTS OF Phillips 20-W50		
CH 48110-1 Engine Run up check For Leaks		
Dan Burns 3695065		
All Ops Test Report good		

ENGINE LOG

ENGINE MAINTENANCE RECORD

Date:	November 25, 2015	Page 1 of 1 Pages		Reg. No:	N5361J
Aircraft:	Piper PA-32R-301T	Serial #	3257301	Total Time / HM:	1,392.0 / 1,392.0
Engine:	**Lycoming TIO-540-AH1A**	**Serial #**	**L-11349-61A**	**Total Time:**	**1,392.0**

The below listed items were accomplished in accordance with the Piper PA-32R-301T Maintenance Manual and other approved or acceptable data as applicable.

Work Order 041506806

[500] 100 Hour Inspection performed in accordance with 14 CFR, Part 43 Appendix D.

[500] Cylinder differential pressure test performed i/a/w Lycoming SI 1191A:
 # 1 = 73/80 **# 2** = 74/80 **# 3** = 78/80 **# 4** = 78/80 **# 5** = 77/80 **# 6** = 78/80

[500] Drained engine oil, removed and inspected oil filter, installed a new Champion CH48110-1 oil filter and serviced engine with 12 quarts SAE 20W-50 Phillips X/C Aviation Oil.

[453] Complied with 500 hour inspection of L/H magneto p/n 6351, s/n 06090749

[455] **AD 2011-26-04** (effective 01/25/2012) *Externally Mounted Fuel Injector Fuel Lines* – Complied with paragraph (i) by inspection i/a/w Lycoming Engines MSB No. 342F.

I certify that this **engine** has been inspected in accordance with a 100 Hour Inspection and was determined to be in airworthy condition.

Signed _____

Gregory A Scher

Central Flying Service, Inc.
1501 Bond Street, Little Rock, AR 72202 Phone: (501) 375-3245, (800) 888-5387
CRS No. HBKR587E
FAX (501) 975-9596

Total To Carry Forward				

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

ENGINE MODEL:
TIO-540-AH1A
ENGINE S/N: L-11349-61A
REG. NO: N5361J
WORK ORDER:
0676-06-2016

Edmonds AVIATION

Edmonds Aviation

2615 S. Main St
Searcy, AR 72143
Phone: (870)217-0832

DATE: 6/20/2016
A/C TSN: 1459.3
ENG TT: 1459.3
TSMOH: 1459.3
HOBBS: 1459.3

Engine Entries

1) R&R engine cowling. Removed all spark plugs, cleaned and inspected. Reinstalled spark plugs with anti-seize and torqued to 25ft-lbs. Engine ground run - satisfactory
2) Drained oil and changed filter with CH48110-1 filter. Serviced engine with 10qts Phillips X/C 20W-50 and 1 bottle of Camguard
3) Replaced L/H magneto with new Slick P/N 6361 S/N 16020778

Maintenance Release

With reference to above mentioned work performed IAW current FARs, I certify this aircraft for return to service at this time. Pertinent details of the repair are on file at this maintenance facility under Work Order No. 0676-06-2016, Dated 6/20/2016.

DATE: 6/20/2016 SIGNED: David Edmonds Work Order: 0676-06-2016

David Edmonds, A&P: 3793747 Printed by EBis 3 (datcomedia.com)

Total To Carry Forward		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7-27-16	Brought Forward →			
Hobbs -	1,490.2	change oil		And Filter
Service	Engine with	Phillips		20W 50 And
oil Filter	CH 48110-1			
Change out	All 12	Spark plugs	Set Gap @	
.016 Torque at	25 lbs.	Parts	Champion RHB36S	
Did Run up	check For	oil Leak	Rambood	
no Leaks		Dual Burn	36955065	
Total To Carry Forward				

ENGINE MAINTENANCE RECORD

Date:	December 21, 2016	Page 1 of 1 Pages		Reg. No:	N5361J
Aircraft:	Piper PA-32R-301T	Serial #	3257301	Total Time / HM:	1,556.6 / 1,556.6
Engine:	**Lycoming TIO-540-AH1A**	**Serial #**	**L-11349-61A**	**Total Time:**	**1,556.6**

The below listed items were accomplished in accordance with the Piper PA-32R-301T Maintenance Manual and other approved or acceptable data as applicable.

Work Order 041607825

Removed this engine from Piper model PA-32R-301T serial number 3257301 at 1,556.6 aircraft hours.

Signed _____

GREGORY A SCHER

Central Flying Service, Inc.
1501 Bond Street, Little Rock, AR 72202
Phone: (501) 375-3245, (800) 888-5387
CRS No. HBKR587E
FAX (501) 975-9596

and Remarks	Signature	Certificate No.
10-4-16		
Hobbs 1531.3		
Change oil AND Filter Service ENGine with Phillips 20w50 oil 12 QTS Filter CH 48110-1	Engine Ran up	
For Leaks NO Leaks	Dave Burr	3695065

ENGINE LOG

John Jewell AIRCRAFT, INC.
Holly Springs Marshall Co. Airport
Hwy. 78 West, P.O. Box 399
Holly Springs, MS 38635

Engine Overhauled by JOHN JEWELL AIRCRAFT, INC., Holly Springs, Mississippi W/O# J6980 engine model TIO-540-AH1A engine s/n L-11349-61A, engine disassembled, all steel parts magnafluxed checked standards as per LYCOMING Overhaul Manual. Crankcase dye checked OK. Engine reassembled using following new parts: 12 #SL74309A rod bearing; 12 #SL12186 rod nut; 12 #SL12596 rod bolt; 6 #05K21262 Lycoming Cylinder Kits; 12 #SL74389 rocker bushing; 6 #STD2180 hose; 48 #STD1925 screw; 4 #68H22624 mag rubber; 2 #67542 mag bearing; 1 #M6044R harness set; 12 #URHB37E plug; 6 #LW18724 deck line; 2 #STD2048 deck line; 6 #18E23886 bearing; 2 #18B23885 bearing; 1 #SL1028B ball; 1 #SL61084 spring; 1 #SL-STD1211 plug; 4 #73810 bushing; 2 #SL73648 pin; 2 #SL76788 pin; 8 #LW14820 snap ring; 8 #71907 plate; 1 #STD2247 crank screw; 1 #AN565B1032H5 set screw; 3 #SL31H-0.88 screw; 1 #STD2168 nut; 1 #STD1737 snap ring; 1 #05K23463 oil pump kit; 1 #LW-RF2.239-.070 o-ring; 1 #STD95 key; 1 #SL53E19600 thermo relief valve; 1 #05K22599 gasket set; 1 #56G23399 sump baffle; 1 #SL-STD1065 dowel pin; 12 #LW16266-10-75 clamp; 2 #LW25-0.63 screw; 1 #LW13807 drain valve; 1 #6360 R/H Magneto S/N 16110191. Reinstalled L/H Mag #6361 S/N 16020778 with 97.3 hours.....previously

Continued on page 2

Total To Carry Forward				

John Jowell
AIRCRAFT, INC.
Holly Springs Marshall Co. Airport
Hwy. 78 West, P.O. Box 399
Holly Springs, MS 38635

installed 6/2016. Installed 1 #LW19340 Camshaft certified by A/C Specialties W/O# 217255. 12 #72877 Lifters certified by A/C Specialties W/O# 202318. 1 #2576554-2 (RSA-10ED1) Servo S/N 70273705 & 1 #RG9080J4A/M Fuel Pump S/N E2687 & 1 #2524232-2 Flow Divider S/N 0273337 O/H by Mike's A/C Fuel Metering W/O# 28603. 1 Crankshaft S/N V537933274 Magnafluxed by A/C Specialties W/O# 240869. 1 #GLVT20-6 Turbo GAMIjector Kit S/N 26084 by General Aviation Modification STC No. SE09445SC PMA NO. PQ821SW (See FAA 337). 1 Serviceable Oil Pump Housing. 6 #LW19332 Rods rebushed by A/C Specialties W/O# 240778. 2 #LW19210 CounterWeights rebushed by A/C Specialties W/O# 240778. 1 #470944-9040 Pressure Relief Valve S/N FHN00301 O/H by A/C Accessories W/O# 20408. 1 #466011-9002 Turbo S/N H-TLR00001 Exchange by A/C Accessories W/O# M929210. 6 Hoses by A.E.R.O. Hose Shop. 1 #149NL/ec Starter S/N FNE-41666. C/W AD2015-19-07 "Fuel Injector Lines" by inspection; AD2004-10-14C "Crankshaft Bolt" by replacing bolt and dowel pin; AD2015-02-07 "Prop Governor Shaft Set Screw" by replacement of screw. Engine Run On Test Cell.

MAINTENANCE RELEASE

MAKE LYCOMING **SERIAL NO.** L-11349-61A **MODEL** TIO-540-AH1A **TOTAL TIME** UNKN

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. J6980 DATE: 2-06-2017

SIGN: John T Jowell FOR REPAIR STATION NO. JUJR300L.

WARRANTY VOID IF AUTO FUEL IS USED! ! !

ENGINE LOG

	Engine Time	Recorder	

ENGINE MAINTENANCE RECORD

Date:	March 13, 2017	Page 1 of 2 Pages		Reg. No:	N5361J
Aircraft:	Piper PA-32R-301T	Serial #	3257301	Total Time / HM:	1,556.6 / 1,556.6
Engine:	**Lycoming TIO-540-AH1A**	**Serial #**	**L-11349-61A**	**Total Time / TSO:**	**1,556.6 / 0,000.0**

The below listed items were accomplished in accordance with the Piper PA-32R-301T Maintenance Manual and other approved or acceptable data as applicable.

Work Order 071607825

[500] 100 Hour Inspection performed in accordance with 14 CFR, Part 43 Appendix D with reference to the Piper PA-32R-301T Maintenance Manual, P/N 761-879.

[500] Cylinder differential pressure test performed i/a/w Lycoming SI 1191A:
 # 1 = 21/80 **# 2** = 75/80 **# 3** = 78/80 **# 4** = 77/80 **# 5** = 77/80 **# 6** = 77/80

[500] Collected an oil sample for analysis. Drained engine oil, removed and inspected oil filter, installed a new Champion CH48110-1 oil filter and serviced engine with 12 quarts SAE 20W-50 Phillips Type M Aviation Motor Oil, note: following this work the engine was removed and sent out for overhaul.

[455] **AD 2015-19-07** (effective 11/03/2015) *Fuel Injector Fuel Lines*: Complied with by inspection i/a/w Lycoming Engines MSB No. 342G. Next compliance is due at 1,656.6 engine hours.

[456] **AD 84-26-02** (effective 01/29/1985) *Induction Air Filters*: Complied with by installing a new filter p/n P15-1936. Next compliance is due at 2,056.6 engine hours.

[050] Removed engine and reinstalled after overhaul. See entry from John Jewell Aircraft, Inc. dated 2-06-2017.

[050] Starter: Removed p/n 149NL/ec s/n FNE-41666 and installed a new p/n 149-24PM s/n F4P-281630.

[050] Oil Cooler, Left: Removed and installed p/n 10901A s/n 661 to facilitate overhaul by Skyline Accessories, LLC, CRS #Y5KR213B under their work order 007897.

[050] Oil Cooler, Right: Removed and installed p/n 10901A s/n 187 to facilitate overhaul by Skyline Accessories, LLC, CRS #Y5KR213B under their work order 007896.

[050] Propeller Governor: Removed and installed p/n V-5-6 s/n G297J to facilitate overhaul by Aircraft Accessories of Oklahoma, Inc., CRS #RV3R829L under their work order 20129.

CONTINUED ON PAGE 2

ENGINE MAINTENANCE RECORD

Date:	March 13, 2017	Page 2 of 2 Pages		Reg. No:	N5361J
Aircraft:	Piper PA-32R-301T	Serial #	3257301	Total Time / HM:	1,556.6 / 1,556.6
Engine:	**Lycoming TIO-540-AH1A**	**Serial #**	**L-11349-61A**	**Total Time / TSO:**	**1,556.6 / 0,000.0**

[050] Waste Gate: Removed and installed p/n 470954-9009 s/n EHN15212 to facilitate overhaul by Aircraft Accessories of Oklahoma, Inc., CRS #RV3R829L under their work order 20131.

[050] Controller, Waste Gate: Removed and installed p/n 481058-9007 s/n FIN00359 to facilitate overhaul by Aircraft Accessories of Oklahoma, Inc., CRS #RV3R829L under their work order 20130.

[050] Belt, Alternator: Installed a new p/n 37D22355.

[050] Belt, Air Conditioner Compressor: Installed a new p/n 37B19774-472.

[050] Hoses, Flammable Fluid, Engine Compartment: Installed new engine compartment flammable fluid hoses from Professional Aviation Associates, Inc. FAA/TSO Stratoflex Hose Kit p/n PA32R-301T HOSE KIT.

I certify that this **engine** has been inspected in accordance with a 100 Hour Inspection and was determined to be in airworthy condition.

Signed *THOMAS PAPKA*

Central Flying Service, Inc.
1501 Bond Street, Little Rock, AR 72202 Phone: (501) 375-3245, (800) 888-5387

CRS No. HBKR587E
FAX (501) 975-9596

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
4-18-17	Hobbs		1558.2	change oil
AND	Filter	New oil Filter		CH 48110-4
AND	12	QUARTS OF		20w50 Phillips oil
RAN	check	FOR	leaks	All good
				Dan Lum 3695065
Total To Carry Forward				

ENGINE MODEL:
TIO-540-AH1A
ENGINE S/N: L-11349-61A
REG. NO: N5361J
WORK ORDER:
0849-07-2017

EDMONDS
AVIATION

2615 S. Main St
Searcy, AR 72143
Phone: (870)217-0832

DATE: 7/27/2017
A/C TSN: 1583.5
ENG TT: 1583.5
TSMOH: 26.9
HOBBS: 1583.5

Engine Entries

(1) Drained oil and changed filter with CH48110-1 filter. Serviced engine with 11qts Phillips X/C 20W-50. Oil sample and oil filter element taken for analysis.

Maintenance Release

With reference to above mentioned work performed IAW current FARs and Manufacturer Maintenance Manual, I certify this aircraft for return to service at this time. Pertinent details of the repair are on file at this maintenance facility under Work Order No. 0849-07-2017, Dated 7/27/2017.

DATE: 7/27/2017 SIGNED: David Edmonds Work Order: 0849-07-2017

David Edmonds, A&P: 3793747 Printed by EBis 3 (datcomedia.com)

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

ENGINE MODEL:
TIO-540-AH1A
ENGINE S/N: L-11349-61A
REG. NO: N5361J
WORK ORDER:
0961-03-2018

EDMONDS
AVIATION

2615 S. Main St
Searcy, AR 72143
Phone: (870)217-0832

DATE: 4/20/2018
A/C TSN: 1617.3
ENG TT: 1617.3
TSMOH: 60.7
HOBBS: 1617.3

Engine Entries

(2) C/W Annual/100HR Inspection and service I.A.W. Maintenance Manual and 14 CFR Part 43 Appendix "D" Checklist
(4) Drained oil and changed filter with CH48108-1 filter. Serviced engine with 10qts Phillips X/C 20W-50.
(5) Cleaned and rotated spark plugs
(16) Removed and replaced oil pressure spring P.N. LW18085. Ran and adjusted oil pressure ops check good.

Technicians Who Worked On The Items Listed Above:
Jeremy Ball

Maintenance Release

I certify this engine has be inspected IAW an ANNUAL INSPECTION and is determined to be in airworthy condition at this time. Pertinent details of the repair are on file at this maintenance facility under Work Order No. 0961-03-2018, Dated 4/20/2018.

DATE: 4/20/2018 SIGNED:

David Edmonds, IA: 3793747

Work Order: 0961-03-2018

Total To Carry Forward				

John Jewell
AIRCRAFT, INC.

Holly Springs Marshall Co. Airport
Hwy. 78 West, P.O. Box 399
Holly Springs, MS 38635

Disassembled engine due to low oil pressure. Engine reassembled using following parts: 6 #18E23886 main bearing; 2 #18B23885 front bearing; 12 #18N26106 rod bearing; 12 #SL12596 rod bolt; 12 #SL12186 rod nut; 12 #SL74241A ring; 6 #SL73857A ring; 6 #73772 nozzle; 1 #05K22599 seal & gasket set; 1 #CH48110-1 oil filter.

1625.3

MAINTENANCE RELEASE

MAKE LYCOMING **SERIAL NO.** L-11349-61A **MODEL** TIO-540-AH1A **TOTAL TIME** ~~UNKN~~

THE ENGINE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION REGULATIONS AND WAS FOUND AIRWORTHY FOR RETURN TO SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER WORK ORDER NO. J7129 DATE: 8-08-2018

SIGN: John T. Jewell FOR REPAIR STATION NO. JUJR300L.

GLEN WILSON AIRCRAFT, LLC
154 A. Q. GREER DR.
HOLLY SPRINGS, MS 38635

CELL: 901-481-2258

Date: 8/9/2018 Piper PA-32P-301T s/n 3257301 Hobbs: 1625.7
Lycoming TIO-540-AH1A s/n L-11349-61A

Removed engine for warranty repair at John Jewell Aircraft. Reinstalled engine after repair at John Jewell in accordance with Piper Maintenance Manual p/n 761 719 Chapter 71 page 71-13 & 71-14. Add 11 quarts Aeroshell 100W oil. Ground run engine and check for leaks, none noted.

Glen K. Wilson Jr. A&P 3399436 8/9/2018

Glen K. Wilson Jr
A&P 3399436

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

ENGINE MODEL:
TIO-540-AH1A
ENGINE S/N: L-11349-61A
REG. NO: N5361J
WORK ORDER:
1110-04-2019

EDMONDS

1 SE Searcy Municipal Airport
Searcy, AR 72143
Phone: (870)217-0832

DATE: 5/22/2019
A/C TSN: 1657
ENG TT: 1657
TSMOH: 100.4
HOBBS: 1657

Engine Entries

(2) C/W Annual/100HR Inspection and service I.A.W. Maintenance Manual and 14 CFR Part 43 Appendix "D" Checklist
(4) Cleaned and rotated spark plugs

Technicians Who Worked On The Items Listed Above:
Terry Turner

Maintenance Release

I certify this engine has be inspected IAW an ANNUAL INSPECTION and is determined to be in airworthy condition at this time.
Pertinent details of the repair are on file at this maintenance facility under Work Order No. 1110-04-2019, Dated 5/22/2019.

DATE: 5/22/2019 SIGNED: David Edmonds

Work Order: 1110-04-2019

David Edmonds, IA: 3793747

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Total To Carry Forward				

and Remarks	Signature	Certificate No.

wo: 20-1282

EDMONDS AVIATION

Edmonds Aviation LLC · 1 SE Searcy Municipal Airport · Searcy, Arkansas 72143 · (870) 217-9588

N5361J — **Lycoming, TIO-540-AH1A, S/N: L-11349-61A** — **February 18, 2020**

hobbs: 1684.5 TSN: 1683.6 SMOH: 127.9

1. Drained oil and collected oil sample for review. Change oil filter with new CH48110-1 Serviced engine with 10qts Phillips X/C 20W50 and 16OZ Camguard.

Maintenance Release

With reference to above mentioned work performed IAW current FARs and Manufacturer Maintenance Manual, I certify this engine is approved for return to service at this time. Details of work performed are on file with Edmonds Aviation LLC under work order: 20-1282.

William Abbott A&P 4076876 William Abbott

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

wo: 20-1333

EDMONDS

Edmonds Aviation LLC · 1 SE Searcy Municipal Airport · Searcy, Arkansas 72143 · (870) 217-9588

N5361J **Lycoming, TIO-540-AH1A, S/N: L-11349-61A** **June 05, 2020**

hobbs: 1690.3 TSN: 1690.3 SMOH: 133.7

1. C/W 100Hr Inspection on engine IAW Maintenance Manual and 14 CFR Part 43 Appendix D. Compression Results: #1: 78, #2: 80, #3: 80, #4: 78, #5: 80, #6: 78

Maintenance Release: With reference to above mentioned work performed IAW current FARs and Manufacturer Maintenance Manual, I certify this engine is approved for return to service at this time. Details of work performed are on file with Edmonds Aviation LLC under work order: 20-1333.

David Edmonds A&P 3793747 David Edmonds

Total To Carry Forward				

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

wo: 21-1656

EDMONDS

Edmonds Aviation LLC · 1 SE Searcy Municipal Airport · Searcy, Arkansas 72143 · (870) 217-9588

N5361J **Lycoming, TIO-540-AH1A, S/N: L-11349-61A** **September 24, 2021**

hobbs: 1740.6 TSN: 1740.6 SMOH: 184.0

1. C/W 100Hr Inspection on engine with reference to 14 CFR 43 Appendix D. Compression Results: #1: 78, #2: 78, #3: 78, #4: 78, #5: 78, #6: 78
2. Drained oil and collected oil sample for review. Change oil filter with new. Serviced engine with Phillips X/C 20W-50 and Camguard
3. Replaced air filter with new.

Technicians who worked on items listed above: William Abbott, Ronald Bowden

Maintenance Release: With reference to above mentioned work performed IAW current FARs and Manufacturer Maintenance Manual, I certify this engine is approved for return to service at this time. Details of work performed are on file with Edmonds Aviation LLC under work order: 21-1656.

David Edmonds A&P 3793747 David Edmonds

Total To Carry Forward				

Maintenance

Engine - page 1 of 1

nber 24, 2021

ession Results:

ed engine with

ARs and Manu-
time. Details of

ENGINE MODEL:
TIO-540-AH1A
ENGINE S/N: L-11349-61A
REG. NO: N5361J
WORK ORDER:
1831-09-2022

REXAIR

Rex Air Maintenance Center
304 Citation Point
Naples, Fl 34104
Phone: 239-331-2569

DATE: 10/24/2022
A/C TSN: 1791.1
ENG TT: 1791.1
TSMOH:
HOBBS: 1791.1

Signature

Certificate No.

Engine Entries

Engine Annual inspection and all service items were performed IAW Lycoming TIO-540-AH1A Maintenance Manual and FAR 43, Appendix "D". I certify that this Engine is found to be in airworthy condition at this time. Compression test: #1/75 #2/76 #3/74 #4/75 #5/75 #6/75. Serviced oil w/ 12QTS of Phillips 20W-50. Oil filter removed, opened and inspected Installed new oil filter AA48110. Service, tested and rotated spark plugs.... Bore scoped engine. No defects noted at this time.... Re-secured top spark plug lead wires.... Wrapped #5 CHT with heat protection.... C/W AD15-19-07 fuel injection line inspection per AD and (MSB) No. 342G.

All work and inspections have been performed IAW applicable Maintenance Manuals and FAR's, and is found to be in Airworthy condition at this time. Pertinent details of service are on file at this facility under Work Order No. 1831-09-2022, Dated 10/24/2022.

DATE: 10/24/2022 SIGNED: AP3146414 IA

Travis Saladino, IA: 3146414

Work Order: 1831-09-2022

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2358-08-2023 (09-07-2023)

Page 1 / 1

MAKE: Piper
MODEL: 32R-301T
S/N: 3257301
REG. NO:: N5361J
ENGINE MAKE: LYCOMING
ENGINE MODEL: TIO-540-AH1A
ENGINE SN: L-11349-61A

REXAIR

Rex Air Maintenance Center
304 Citation Point
Naples, Fl 34104

W/O #: 2358-08-2023
DATE: 09-07-2023
A/C Tach:
ENG TT: 1852.1
TSMOH: 295.5

Engine Entries

Engine Annual inspection and all service items were performed IAW Lycoming Maintenance Manual and FAR 43, Appendix "D". I certify that this Engine is found to be in airworthy condition at this time. Compression test: #1/74 #2/70 #3/72 #4/73 #5/54 #6/62. Serviced oil w/ 10QTS of Phillips 20W-50. Oil filter removed, opened and inspected. Installed new oil filter CH48110-1. Service, tested and rotated spark plugs.... Bore scoped all cylinders and no defects noted at this time.... Removed, cleaned, inspected and re-installed fuel injectors. R&R x12 fuel injectors o-rings and x1 injector rubber washer, Next due 2152.1, or annual.... C/W AD15-19-07 fuel injection inspection, per AD instructions, next due 1952.1 or annual.... C/W AD 84-26-02 Intake filter inspection IAW visual inspection.

All work and inspections have been performed IAW applicable Maintenance Manuals and FAR's, and is found to be in Airworthy condition at this time. Pertinent details of service are on file at this facility under Work Order No. 2358-08-2023, Dated 09-07-2023.

DATE: 09-07-2023 SIGNED: AP3146414 IA

Travis Saladino
A&P or IA Number: AP3146414 IA

WORK ORDER: 2358-08-2023

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ENGINE LOG

	Engine Time			