C-GZZR

AIRCRAFT TECHNICAL LOGS

Section 3. ENGINE

ENGINE LOG

1.	Make	Lycoming, Williamsport, PA
2.	Model	TIO-540-AE2A
3.	Specification	FAA T.C. No. E14EA
4.	Manufacturer's Serial Number	L-13487-61A
5.	Date of Manufacture	April 2, 2010
6.	Aircraft Inspection Cycle	

NEW RECIPROCATING ENGINE CERTIFICATE

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

MODEL TIO-540-AE2A SERIAL NO. L-13487-61A

DATE 2/8/10 Kurt Coleman

(AUTHORIZED REPRESENTATIVE)

LYCOMING
A Textron Company

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

Form No. 777-B (Rev. 3/03)

ENGINE SERVICE AND

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
BROUGHT FORWARD →					
2010/APR/28					TRANSFERED FROM US LOGS

AIRCRAFT LOG

Registration No. C-GZZR

Date	Aircraft Time This Date	Aircraft Time Total	Recorder Reading	Maintenance
APR 0 2 2010	Brought Forward →	8.9		I find that the aircraft meets the requirements for the certification requested and have issued an Export Certificate of Airworthiness. The Altimeter and Static System Test required by FAR 91.411 have been performed. The altimeter(s) have been tested: On (Prl) 3/2/10 (Sec) 3/2/10 55,000 ft 55,000 ft The ELT is installed per FAR 91.207. Battery Replacement date: FEB 2016 Dated: APR 0 2 2010 Phillip L Chapman PHILLIP L CHAPMAN DMIR-832849-CE Piper Aircraft, Inc. Vero Beach, Florida
Total To Carry Forward		8.9		

and Remarks	Signature	Certificate No.
The ATC Transponder Tests and Inspections required by FAR 91.413 were performed this date and found to comply with FAR 43. Appendix F. 1. Make GARMIN Model GTX33 S/N 89109530 2. Make NA Model NA S/N NA Details of this inspections are on file at this facility under: ACFT S/N 4636469 Date 3/18/10 The Automatic Pressure Altitude Reporting Equipment Test required by FAR Part 91.217 have been performed this date: 3/18/10. Phillip L. Chapman PHILLIP L CHAPMAN DMIR-832849-CE Piper Aircraft, Inc. Vero Beach, Florida		

AIRCRAFT LOG

Registration No. C-GZZR

Date	Aircraft Time This Date	Aircraft Time Total	Recorder Reading	Maintenance
APR 0 2 2010	Brought Forward →	8.9		The stall system computer is adjusted at the factory. Component changes require that the computer settings be checked and adjusted per Piper Process Specification (PPS) 60089-2. The settings for this aircraft are: Tgprams +/- ½ STALL WARNING / TIP GRAMS ACTUAL SETTINGS POWER FLAPS OFF Full Up 0° +3.4 OFF 10° - 20° +1.4 OFF Full Down 38° +0.5 ON Full Up 0° +2.1 ON 10° -20° +0.2 ON Full Down 38° -0.6 Signed: Phillip L Chapman PHILLIP L CHAPMAN DMIR-832849-CE PIPER AIRCRAFT, INC.
Total To Carry Forward		8.9		

and Remarks	Signature	Certificate No.
The standby altimeter and static system test required by FAR Part 91.411 have been performed. The standby altimeter has been tested to 35,000 feet on 1/25/10 Signed: Phillip L. Chapman PHILLIP L CHAPMAN DMIR-832849-CE PIPER AIRCRAFT, INC		

CARRIED FORWARD

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER

Date	Aircraft Time This Date	Aircraft Time Total	Recorder Reading	Maintenance and Remarks	Signature	Certificate
APRIL 15 2010	Brought Forward →	8.9				
April 15, 2010	3.7			KVRB - KCLT		
April 16 2010	3.8			KCLT - CYKF		
April 16, 2010	0.4			CYKF - CYKZ		
HOBBS		16.0	16.0	Ferry Flight Reg Nissen	RP	
					RP	
Total To Carry Forward						

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES

A. D. No. and Date	Method of Compliance (See Leg for Details)	Time on Aircraft	Date of Compliance	Signature and Certificate No.
All applicable Federal Aviation Administration Airworthiness Directives, through Bi-Weekly 2010-07 have been complied with at the time of manufacture. Signed: Phillip L. Chapman PHILLIP L. CHAPMAN DMIR-832849-CE PIPER AIRCRAFT, INC.		8.9	APR 02 2010	

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES

A. D. No. and Date	Method of Compliance (See Leg for Details)	Time on Aircraft	Date of Compliance	Signature Certificat

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

ENGINE SERVICE AND

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
BROUGHT FORWARD →			16 TTSN	0	TRANSFERED FROM U.S. LOGS
2010/APR/28	0	0	16	0	

IMPORTATION INTO CANADA – APRIL 2010

This PIPER AIRCRAFT, INC. Model PA-46-350P Malibu Mirage s/n 4636469 as identified on FAA Export Certificate of Airworthiness No. E428940 dated Apr. 02, 2010, imported into Canada and registered "C-GZZR"

1. Transport Canada import document MSI-26, applicable Parts 1, 2, Part 3 checklists 1 & 3 and Part 4
2. Missing ELT location placard installed on exterior of rear fuselage
3. Missing ELT remote switch warning placard installed on R/H instrument panel to meet requirements of AWM chapter 551.104(f)(4) requirements
4. #1 and #2 Garmin GTX 33 transponders Mode "S" Hex address checked and corrected to "C08948" as indicated on the Canadian C of R
5. Portable hand fire extinguisher model RT – A600 checked, weight = 742 g.
6. Artex ME 406ELT, s/n. 197-02273, "acceptable" type AF ELT, coded A7864898AF1C6A1
7. Standby compass checked/confirmed equipment with a current dated (2010/Apr/02) card
8. Pilot's Operating Handbook/ FAA approved Airplane Flight Manual, report no. VB-2121 with revision 1 dated January 4, 2010 was checked and confirmed most current
9. Airworthiness Directives searched and checked on TC database, all recent AD's issued or amended between April 2, 2010 and April 25, 2010, no outstanding applicable AD's found at this time. AD's: 2010-04-07, CF-2005-40 & F-2005-023 N/A by installation at this time. AD CF-90-3R1 applicable but not due until next annual or 150 hours TTSN whichever comes first.
10. Instructions for continued airworthiness (ICA) references for the following equipment have been placed into this aircraft's Canadian Technical Logs.
    i. Piper Aircraft, Inc. PA-46-350P, Malibu Mirage Maintenance Manual, (manual p/n, 761-876), Introduction page 1, dated Aug/28/2007
    ii. Concord valve regulated led acid battery, booklets/drawings No. 5-01142, rev J dated Feb. 20, 2007
    iii. Garmin 1000 manual p/n. 190-01038-02, dated Feb. 2009
11. As per the requirements of CAR 605.86 and its associated standard, this aircraft will be maintained in accordance with CAR 625 Appendix B Part 1 and all applicable requirements in CAR 625 Appendix C

Note:

At the time of import, this aircraft was not equipped with survival or emergency equipment

This aircraft has been found to meet the requirements of FAA Type Certificate A25SO revision 20, issue date 2009/Oct/26

The described maintenance has been performed in accordance with the applicable airworthiness requirements

Aviation Unlimited Maintenance Inc. AMO 65-94 M298679

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TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.	16	0			

ENGINE SERVICE AND

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE ~~OVERHAUL~~ TTSN HRS.	TIME SINCE ~~OVERHAUL~~ TTSN MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
BROUGHT FORWARD →			16	0	
30/07/2010	27	4	43	4	Remove engine for inspection after prop

LYCOMING
A Textron Company

652 Oliver Street
Williamsport, PA 17701

9/20/2010 Engine S/N **L-13487-61A** was returned to Lycoming with 43.4 TT for inspection/repair due to a prop strike. Engine was disassembled, cleaned and inspected. Necessary parts zyglo and magnaflux inspected per SB533A. Cylinders honed. Engine was reassembled replacing the left magneto with S/N 10030602, right magneto with S/N 10050453, all rings, bearings, hardware necessary for the repair, and all perishable items. 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 240V, 342F (2002-26-01), 475C (91-14-22), 533A (2004-10-14) and SI 1424 and 1487. All pertinent data relating to this work is on file at Lycoming under work-order **REP13487.**

D. L. Mitcheltree Repairman # 3330483
Repair Station EJ1R115K

END

Oct 4, 2010	0	0	43	4	
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TOTAL SINCE MFG.					

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATU

Refer to orginal ET-001 for part numbers and serial nu

All accessories listed are 0 (zero) tir
Accessories are new unl

CRANKCASE MATCH NO.
#2 INTERCOOLER
#1 INTERCOOLER
AB PRESS REL.
PRESS. CONTR.
ENSITY C

strike.

AÉROTEKNIC

4920, Route de l'Aéroport, St-Hubert, QC J3Y 8Y9
Phone Office.: 1-450-676-6299 Fax: 1-450-676-2760
info@aeroteknic.com

Aircraft registration: C-GZZR
Work report number: 6287
Date: Oct 04, 2010
Engine log

Aircraft TTAF : 43.4
Engine TTSN: 43.4

Item	Description	Correction
1	Prop strike on a mule.	Engine TIO-540-AE2A s/n L-13487-61A removed and reinstalled after repaired by Lycoming under work order REP13487. New propeller HC-I3Y1R-1N/N7605K+2 s/n NM48B installed. Propeller has been reinstalled IAW PA46-350P Maintenance Manual 61-10-00. Engine has been reinstalled IAW 71-00-00. Aircraft inspected and no damage found. Engine serviced with Shell 15W50 and ground run c/o. Aircraft found serviceable for the flight test.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Name: Vincent Grenon AMO 39-08 #2 License no.: 737820

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
BROUGHT FORWARD →			93	4	
Oct 15, 2010	3	8	47	2	
Fev 17, 2011	52	6	99	8	
May 13, 2011	47	5	147	3	
					CARRIED FORWARD
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER

AÉROTEKNIC

4920, Route de l'Aéroport, St-Hubert, QC J3Y 8Y9
Phone Office.: 1-450-676-6299 Fax: 1-450-676-2760
info@aeroteknic.com

Aircraft registration: C-GZZR
Work report number: 6496
Date: Oct 15, 2010
Engine log

Aircraft TTAF : 47.2

Item	Description	Correction
1	First 50 hrs inspection.	First 50 hrs inspection c/o IAW New Piper Warrantable first 50 hrs Inspection Report. No oil change or oil filter done during this inspection.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Name: Vincent Grenon AMO 39-03 #2 License no.: 737820

AÉROTEKNIC

4920, Route de l'Aéroport, St-Hubert, QC J3Y 8Y9
Phone Office.: 1-450-676-6299 Fax: 1-450-676-2760
info@aeroteknic.com

Aircraft registration: C-GZZR
Work report number: 6698
Date: févr. 17, 2011
Engine log

Aircraft TTAF : 99.8
Landing : 0.0

Item	Description	Correction
1	Annual inspection.	Annual inspection c/o IAW CAR's STD 625 app. B & C and Piper PA46-350P inspection sheets as reference. Oil changed and serviced with Aeroshell 15W50. Oil filter inspected and replaced with CH48103. Engine compression at: 75-76-80-75-80-76/80. Ground run c/o. No leak found.
2	CF90-03R2, Exhaust system inspection.	Exhaust system inspection c/o IAW AD CF90-03R2 part I. No defect found. Next inspection due in 150 hrs or in February 2012.
4	AD2010-07-08, Kelly Aerospace Turbochargers.	N/A by turbochagrers model.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Name: Jean-Philippe Savard License no.: 903191 AMO 39-03 #8

AÉROTEKNIC

4920, Route de l'Aéroport, St-Hubert, QC J3Y 8Y9
Phone Office.: 1-450-676-6299 Fax: 1-450-676-2760
info@aeroteknic.com

Aircraft registration: C-GZZR
Work report number: 6794
Date: mai 13, 2011
Engine log

Aircraft TTAF : 147.3 AMO 39-03 #6

Item	Description	Correction
1	Pressurisation not working properly.	Pressure controller p/n 48E21383 s/n HKN0039 removed. New pressure controller p/n 48E21383 s/n H0CN00225 installed IAW Lycoming Service Instruction SI1431. Ground run up c/o. No leak found. Dual inspection c/o.
2	Landing gear squat switch not working properly.	New switch p/n 87545-007 installed IAW Piper PA46-350P maintenance manual ref. 32-60-00. Gear retraction c/o and found serviceable.
3	Engine oil change at customer request.	Engine oil changed and serviced with Aeroshell 15W50. oil filter inspected and replaced with new oil filter CH48103, no metal contamination found. Ground run up c/o. No leak found.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Name: Richard Voghel AMO 39-03 #6 License no.: 904931

I certify that I have conducted a dual safety inspection of the controls affected by the work done.

Name: Jean-Philippe Savard License no: 903191 AMO 39-03 #8

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →			147	3	
Oct 25 2011	78	2	225	5	Maintenance
JAN 19 2012	48	0	273	5	Maintenance
29 march 2012	50	0	323	5	

A/C MODEL:	PA 46-350P	ACTT: 384.1HRS	ETT: 384.1HRS
A/C REG:	C-GZZR	S/N: 4636469	PTT 384.1HRS

ENGINE

	RECTIFICATION	WORK ORDER
1	ENGINE OIL CHANGE C/O WITH AEROSHELL 15 W50 GRD CHECK SERVICEABLE	120828
2	REPLACED ENGINE OIL FILTER WITH NEW P/N ...CH48103-1 (AV0001131428) GRD CHECK SERVICEABLE, DISMANTLE OLD FILTER FOR METAL CONTAMINATION CHECK	120828
3	VISUAL INSPECTION OF ENGINE AND COMPONANTS GRD CHECK SERVICEABLE CLEANED ENGINE WITH SOFT SOLVANT	120828
4	ENGINE RUN UP C/O WITH FULL POWER CHECK, ENGINE FOUND SERVICEABLE ,OIL LEAK CHECK C/O AND NO LEAK FOUND	120828

The maintenance described above has been accomplished in accordance with the application standards of airworthiness

Date: AUGUS 28 ,2012 signature: licence: M384218

TOTAL THIS

TOTAL FF PREVIOUS SUI

TOTAL SINCE MF

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER

AÉROTEKNIC

4920, Route de l'Aéroport, St-Hubert, QC J3Y 8Y9
Phone Office.: 1-450-676-6299 Fax: 1-450-676-2760
info@aeroteknic.com

Aircraft registration: C-GZZR
Work report number: 7272
Date: ~~juin 10~~ october 25, 2011
Engine log

Aircraft TTAF : 225.5 JP AMO 39-03 #8

E.G

Item	Description	Correction
1	Oil change at customer request.	Oil changed and serviced with Aeroshell 15W50. Oil filter inspected and replaced with new CH48103. No netal particles found in oil. Ground run c/o, no leak found.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Name: Jean-Philippe Savard License no.: 903191 AMO 39-03 #8

AÉROTEKNIC

4920, Route de l'Aéroport, St-Hubert, QC J3Y 8Y9
Phone Office.: 1-450-676-6299 Fax: 1-450-676-2760
info@aeroteknic.com

Aircraft registration: C-GZZR
Work report number: 7412
Date: janv. 19, 2012
Engine log

Aircraft TTAF : 273.5

Item	Description	Correction
1	Annual inspection	Annual inspection c/o IAW CAR's STD 625 app. B and C and Piper PA46-350P inspection sheets as reference. Oil change and serviced with Aeroshell 15W50. Oil filter inspected and replaced with CH48103. Engine compression at: 79-75-79-75-78-74/80. First aid kit and fire extinguisher inspection c/o. Compass swing c/o. Ground run c/o. No leak found.
4	CF90-03R2, Exhaust system inspection.	Exhaust system inspection c/o IAW CF90-03R2 para. (1). No defect found. Next inspection due in 100 hrs or in January 2013.
5	AD2011-26-04, Externally mounted fuel injection lines inspection.	Fuel injection lines inspection c/o IAW AD2011-26-04 para. (k). No leak found. Next inspection due in 100 hrs.
6	AD2011-15-10, AvStar fuel servo.	N/A by fuel servo model.
7	AD2011-13-03, Hartzell engine technologies turbochargers.	N/A by turbochargers time in service.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Name: Jean-Philippe Savard License no.: 903191 AMO 39-03 #8

AÉROTEKNIC

4920, Route de l'Aéroport, St-Hubert, QC J3Y 8Y9
Phone Office.: 1-450-676-6299 Fax: 1-450-676-2760
info@aeroteknic.com

Aircraft registration: C-GZZR
Work report number: 7518
Date: ~~janv. 19, 2012~~ Mars 29, 2012
Engine log

Aircraft TTAF : 323.5 JP AMO 39-03 #8

Item	Description	Correction
4	Inspection 50 hres.	Inspection 50 hres c/o as reference Piper Malibu Mirage inspection report p/n 230 1085. Oil changed and serviced with Aeroshell 15W50. Oil filter inspected and replaced with new CH48103. No netal particles found in oil. Ground run c/o, no leak found.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Name: Richard Vogel AMO 39-03 #6 License no.: 904931

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS. NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					
13 Dec 2012	89	41	412	9	
13 Jan. 2013	13	1	426	0	
29 April			447	12	
					CARRIED FORWARD
TOTAL THIS PAGE					
TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES, DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
ENGINE MODEL: IO-540-AA2EA ENGINE S/N: REG. NO: C-GZZR WORK ORDER: 5245-11-2012 Premier Aircraft Service Premier Aircraft Service., Inc. 5540 NW 22rd Avenue Hanger 14 Fort Lauderdale, FL 33309 Phone: (954) 334-2303 DATE: 12/13/2012 A/C TSN: 438.2 ENG TT: 438.2 HOBBS: 438.2 **Engine Entries** (2) FOUND OIL IN ALL LOWER SPARK PLUGS. OIL LEAKING PAST ALL PISTON RINGS... (3) REMOVED #6 CYLINDER FOR INSPECTION OF RINGS AND PISTON. RINGS BURNT AND OIL RING STUCK.... (4) REMOVED REMAINING CYLINDER FOR O/H AND REINSTALLED AFTER CERTIFIED ENGINES (CRS KG4R309M) O/H CYLINDERS IAW TCM IO-550-G O/H AND M.M. RAN ENGINE FOR BREAK-IN. NO LEAKS DETECTED AT THIS TIME. MAINTENANCE RELEASE: IN REFERENCE TO THE WORK PERFORMED, THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, AND / OR APPLIANCE WAS REPAIRED AND INSPECTED I.A.W. CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. ALL WORK WAS PERFORMED IAW CURRENT APPLICABLE AIRCRAFT, ENGINE, OR APPLIANCE MAINTENANCE MANUALS AND INSTRUCTIONS. PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION OFFICE. DATE: 12/13/2012 SIGNED: Richie Quiles, IA 3244299 Work Order: 5245-11-2012 Printed by EBis 3 (datcomedia.com)		

AÉROTEKNIC

4920, ROUTE DE L'AÉROPORT ST-HUBERT, QC J3Y 8Y9 Ph. Office:1-450-676-6299 Fax:1-450-676-2760 info@aeroteknic.com

Aircraft registration: C-GZZR
Work report number: 8055
Date: janv. 18, 2013
Engine log

Aircraft TTAF : 426.0

Item	Description	Correction
1	Annual inspection	Annual inspection c/o IAW CAR's STD 625 app. B and C and Piper PA46-350P inspection sheets as reference. Oil changed and serviced with Aeroshell 15W50. Oil filter inspected and replaced with new CH48103. Engine compression at: 75-74-76-76-75-76/80. First aid kit and fire extinguisher inspection c/o. Compass swing c/o. Ground run c/o, no leak found.
6	CF90-03R2, Exhaust heater system inspection.	Exhaust heater system inspection c/o IAW CF90-03R2 Part 1. No leak found. Next inspection due in 100 hrs or in January 2014.
7	AD2011-26-04, Externally mounted fuel injection lines	Fuel injection lines inspection c/o IAW AD2011-26-04 para. (k). No leak found. Next inspection due in 100 hrs.
10	Manifold pressure at 39.5 in.hg instead of 42 in.hg at full throttle.	Manifold pressure adjusted at 42 in.hg. IAW PA46-350P Maintenance manual sect. 76-10-00. Functional check c/o and found serviceable.
11	AD2012-19-01, Failure of the crankshaft	N/A by engine serial number.
12	AD2012-03-06, Failed fuel servo diaphragm.	N/A by fuel servo model.

The maintenance described above has been performed in accordance with the applicable standards of airworthiness.

Name Jean-Philippe Savard #6 AMO 39-03 License no : 903191

A/C MODEL:	PA 46-350P	ACTT: 447.2HRS	ETT: 447.2HRS
A/C REG:	C-GZZR	S/N: 4636469	PTT 447.2HRS

ENGINE

	RECTIFICATION	WORK ORDER
1	ENGINE OIL CHANGE C/O WITH AEROSHELL 15 W50 GRD CHECK SERVICEABLE	130429
2	REPLACED ENGINE OIL FILTER WITH NEW P/N ... CH48103-1 (AV000145556) GRD CHECK SERVICEABLE, DISMANTLE OLD FILTER FOR METAL CONTAMINATION CHECK	130429
3	VISUAL INSPECTION OF ENGINE AND COMPONANTS GRD CHECK SERVICEABLE CLEANED ENGINE WITH SOFT SOLVANT	130429
5	ENGINE RUN UP C/O WITH FULL POWER CHECK, ENGINE FOUND SERVICEABLE ,OIL LEAK CHECK C/O AND NO LEAK FOUND	130429

The maintenance described above has been accomplished in accordance with the application standards of airworthiness
Date: APRIL 29 ,2013 signature: licence: M384218

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

ENGINE SERVICE AND

DATE	TIME RUN HRS.	TIME RUN MIN.	TIME SINCE OVERHAUL HRS.	TIME SINCE OVERHAUL MIN.	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
BROUGHT FORWARD →					
8 MARS 2013	471	42	471	42	oil change

A/C MODEL:	PA 46-350P	ACTT: 535.7HRS	ETT: 535.7HRS
A/C REG:	C-GZZR	S/N: 4636469	PTT 535.7HRS

ENGINE

	RECTIFICATION	WORK ORDER
1	ENGINE OIL CHANGE C/O WITH EXXON ELITE 20W50 (CUSTOMER SUPPLY) AND ADDED 1 QT OF CAM GARD OIL ADDITIF (AVIALL 0001248091-128907) GRD CHECK SERVICEABLE	131023
2	REPLACED ENGINE OIL FILTER WITH NEW P/N ...CH48103-1 (CUSTOMER SUPPLY) GRD CHECK SERVICEABLE, DISMANTLE OLD FILTER FOR METAL CONTAMINATION CHECK	131023
3	VISUAL INSPECTION OF ENGINE AND COMPONANTS GRD CHECK SERVICEABLE CLEANED ENGINE WITH SOFT SOLVANT	131023
4	SERVICED L/H AND R/H MAIN OLEO WITH NITROGEN GRD CHECK SERVICEABLE	131023
5	ENGINE RUN UP C/O WITH FULL POWER CHECK, ENGINE FOUND SERVICEABLE ,OIL LEAK CHECK C/O AND NO LEAK FOUND	131023

The maintenance described above has been accomplished in accordance with the application standards of airworthiness
Date: OCT 23 ,2013 signature: licence: M384218

A/C MODEL:	PA 46-350P	ACTT: 551.7HRS	ETT: 551.7HRS
A/C REG:	C-GZZR	S/N: 4636469	PTT 551.7HRS

	RECTIFICATION	WORK ORDER
1	VERIFICATION OF ALTERNATOR NO 2, SYSTEM AND FOUND LOUSSE WIRE ON ALTERNATOR FIELD CONECTION GRD CHECK SERVICEABLE	131107
2	ENGINE RUN UP C/O FONCTIONAL CHECK OF ALTERNATOR SYSTEM ,GRD CHECK SERVICEABLE	131107

The maintenance described above has been accomplished in accordance with the application standards of airworthiness
Date: NOV 07 ,2013 signature: licence: M384218

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TOTAL FROM PREVIOUS SUMMARY					
TOTAL SINCE MFG.					

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER
ENGINE MODEL: IO-540-A2EA ENGINE S/N: REG. NO: C-GZZR WORK ORDER: 5410-03-2013 Premier Aircraft Service **Premier Aircraft Service,. Inc.** 5540 NW 23rd Avenue Hanger 14 Fort Lauderdale, FL 33309 Phone: (954) 334-2393 DATE: 3/8/2013 A/C TSN: 471.7 ENG TT: 471.7 HOBBS: 471.7		
Engine Entries (2) CHANGED OIL AND FILTER. SERVICED WITH 10 QTS. OF 15W50 AND A NEW CH48103-1 OIL FILTER. OLD OIL FILTER WAS CUT OPEN AND INSPECTED FOR CONTAMINATION. NONE FOUND. INSPECTED SUCTION SCREEN FOR CONTAMINATION. NONE FOUND. ENGINE WAS GROUND RUN. OPS CHECK NORMAL AND NO LEAKS NOTED.		
MAINTENANCE RELEASE: IN REFERENCE TO THE WORK PERFORMED, THIS AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER, AND / OR APPLIANCE WAS REPAIRED AND INSPECTED I.A.W. CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. ALL WORK WAS PERFORMED IAW CURRENT APPLICABLE AIRCRAFT, ENGINE, OR APPLIANCE MAINTENANCE MANUALS AND INSTRUCTIONS. DATE: 3/8/2013 SIGNED: Eddie Roberts, A&P: 3489330 Work Order: 5410-03-2013 Printed by EBis 3 (datcomedia.com)		

Page

Next

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					

A/C MODEL:	PA 46-350P	ACTT: 554.3HRS	ETT: 554.3HRS
A/C REG:	C-GZZR	S/N: 4636469	PTT 554.3HRS

ENGINE

	RECTIFICATION	WORK ORDER
1	ANNUAL INSPECTION CARRY OUT IAW CARS 625 APPENDIX B AND C	140108
2	ENGINE COMPRESSION CHECK C/O CYLINDER NO 1 72 NO 2 74 NO 3 70 NO4 72 NO5 70 NO6 75 / 80 PSI NO OIL ON SPARK PLUGS ,ENGINE WARM	140108
3	REPLACED ENGINE CRANCKSHAFT SEAL WITH NEW P/N ....LW15628 (AVIA00001267659-132610) GRD CHECK SERVICEABLE	140108
4	ENGINE OIL CHANGE C/O WITH EXXON ELITE 20W50 (CUSTOMER SUPPLY) ADD CAM GARD ADDITIF (0001267659-132610) GRD CHECK SERVICEABLE	140108
5	REPLACED ENGINE OIL FILTER WITH NEW P/H ...CH48103-1(CUSTOMER SUPPLY), DISMANTLE OLD FILTER IAW SB 480E FOR METAL CONTAMINATION CHECK	140108
6	REMOVED ALL ENGINE INJECTORS CLEANED WITH ULTRASONIC AND SOFT SOLVENT REINSTALLED WITH LEAK CHECK . GRD CHECK SERVICEABLE	140108
7	FOUND ONE SPARK PLUG SHELL CRACKED :REPLACED ONE SPARK PLUG WITH NEW P/N ...RHB36S (API0001267659-132610) GRD CHECK SERVICEABLE	140108
8	REMOVED L/H AND R/H ALTERNATORS FOR 500HR CHECK C/O BY JAIR ON W/O 11838/-1 REINSTALLED ALTERNATORS P/N ...ALU6539LS S/N ...J120018 AND J112021	140108
10	ENGINES RUN UP C/O AND FOUND SERVICEABLE	140108
20	VERIFICATION OF AIRWORTHINESS DIRECTIVE ON WEB SITE OF TRANSPORT CANADA NOTE: AD 2011-06-10 IMPROPELY TIT PROBE C/O REPLACED JAN 19 2012 2011-26-04 ENGINE FUEL LINE INSPECTED OK	140108
The maintenance described above has been accomplished in accordance with the application standards of airworthiness		

AIR SERVICES, INC.
400 REGIONAL AIRPORT RD
CARROLLTON, GA. 30117
FAA Certified Repair Station Z4AR547Y

PHO: (770) 836-9002
FAX (770) 836-6999

Engine Log Book Entry
C-GZZR

10/16/2014
Hobbs: 556.2
Engine TT: 556.2

Engine Model TIO-540-AE2A S/N L-13487-61A removed from aircraft and sent out for inspection/repair due to prop strike. I certify that this aircraft has been repaired and inspected in accordance with current Federal Aviation Administration regulations and is approved for return to service. Detail on file under WO #5329.

Repair Station NO. Z4AR547Y
Sammy Bereznak

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES, DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER

LYCOMING
a div. of Avco Corporation

652 Oliver Street
Williamsport, PA 17701
USA

12/5/2014 Engine S/N **L-13487-61A** was returned to Lycoming with 556.2 TT for inspection/repair due to a prop strike. Engine was disassembled, cleaned and inspected. Necessary parts zyglo and magnaflux inspected per SB533B. Cylinders honed. Engine was reassembled replacing the left magneto with S/N 14091715, right magneto with S/N 14101319, camshaft, all tappets, hydraulic lifters and sockets, prop governor idler gear, all piston squirts, rings, bearings, hardware necessary for the repair, and all perishable items. 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 240W, 342F (2011-26-04), 475C, 533B (2004-10-14) and SI 1424, 1487 and 1514.

C. L. Hess Repairman # 3323268
Repair Station EJ1R115K

----------END----------

AIR SERVICES, INC.
400 REGIONAL AIRPORT RD
CARROLLTON, GA. 30117
FAA Certified Repair Station Z4AR547Y

PHO: (770) 836-9002
FAX (770) 836-6999

Engine Log Book Entry
SN L-13487-61A
N446NC

04/16/2015

Hobbs and Total: 556.2

Reinstalled engine after repairs by Lycoming – see entry for AD's SB's, etc. Install overhauled vac pumps 442CW-6 SN 160314; 441CC-17 SN 162601. Installed motor mount assembly 889137-041 SN IM990. Piper SB 1103 part 2 complied with at mount overhaul. Serviced engine with 12 quarts Shell W100 oil. Rig all engine controls and safety. Install prop governor G331NJ overhauled. Replaced induction air box assembly PN 89721-034 in inspected serviceable condition. Perform run-ups, performance good – no leaks noted. Perform annual inspection in accordance with FAR 43 Appendix D, checklist used. Check AD's thru biweekly Issue 2015-08. Produced new AD compliance record. All critical installation torque and safeties inspected by two certified mechanics with "P" rating (RW and JW). I certify that this engine has been repaired and inspected in accordance with current Federal Aviation Administration regulations and is in airworthy condition. Detail on file under WO #5329.

Repair Station NO. Z4AR547Y
Sammy Bereznak

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

GINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NC	INSTALLATIONS, INSPECTIONS,
	HRS.	MIN.	HRS.	MIN.		
BROUGHT FORWARD →						

New Century Air Service 2 Aero Plaza New Century, KS 66031

10/23/2015 **Hobbs Time 556.2** **Total Time 581.5**

Drained engine oil and serviced with 13 qts AeroShell 15W50 oil. Cut old filter open for inspection, found no contaminants at this time Installed new CH48103-1 oil filter. Test ran and found on discrepancies .

Randall Lee Surls _____ AP3275908IA

New Century Air Service 2 Aero Plaza New Century, KS 66031

5/16/2016 **N446NC** **Hobbs Time 579.2** **TTSN 604.5**

Inspected **engine** IAW an **annual** inspection per FAR 43 appendix D. Compression test: #1 73/80 #2 72/80 #3 72/80 #4 73/80 #5 77/80 #6 75/80. Cleaned induction air filter. Cleaned, gaped and rotated spark plugs. Check mag timing. C/W AD 11-26-04 by inspection in accordance with paragraph (h) of AD. Washed and test ran, no discrepancies noted.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Randall Lee Surls _____ AP3275908IA

New Century Air Service 2 Aero Plaza New Century, KS 66031

7/8/2017 **N446NC** **Hobbs Time 602.3** **Total Time 627.6**

Inspected **engine** IAW an **annual** inspection per FAR 43 appendix D. Compression test: #1 74/80 #2 76/80 #3 77/80 #4 74/80 #5 78/80 #6 75/80.Cleaned, gaped and rotated spark plugs. Installed 2 new RHB36S spark plugs. Checked mag timing. Drained engine oil and serviced with 12 qts aeroshell 15W50. Cut and inspected oil filter, no discrepancies noted. Installed new CH48103-1 oil filter. C/W AD 11-26-04 by inspection per paragraph (h) of AD, next due @702.3. Washed and test ran. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Randall Lee Surls _____ AP3275908IA

TOTAL THIS		
TOTAL FR PREVIOUS SUM		
TOTAL SINCE MFG.		

8-19-2017 Hobbs 605.0 **N446NC**

Hangar 1 AIRCRAFT INSPECTION & REPAIR

ENCE
MBER

Opened the aircraft for a pre-buy inspect [redacted] epaired the following discrepancies. Left turbo exit duct was found not coupled flush to the exhaust pipe. Removed three v band clamps for that section, inspected all clamps, installed new flange gaskets p/n 75845. Re-assembled the exhaust, torqued v-band clamps that were removed and installed safety wire. Installed safety wire on other clamps as needed. Complied with AD2015-19-07 IAW Lycoming MSB 342G, installed one LW-16266-10-13 clamp. Removed filter and installed a new Champion CH48103. Cut and inspected old filter, it was clean with no abnormal contaminates found. Re-installed loose vacuum pump hardware. Closed aircraft and re-installed all removed panels with new hardware as needed. Aircraft is returned to service as airworthy for the work performed.

Sam Brailsford A&P 3411060 IA

New Century Air Service 2 Aero Plaza New Century, KS 66031

8/8/2018 N446NC Hobbs Time 647.4 TTSN 672.7

Inspected **engine** IAW an **annual** inspection per FAR 43 appendix D. Compression test: 76-76-77-78-76-74/80.. Cleaned induction air filter. Cleaned, gaped and rotated spark plugs. Installed overhauled right mag P/N 6360 S/N 08111039. Set mag timing. Drained engine oil and serviced with 12 qts AeroShell 15W50.removed and opened oil filter, no discrepancies noted. Installed new CH48103-1 oil filter. C/W AD 15-19-07 by inspection in accordance SB 342G. AD 17-16-11 N/A by date . Washed and test ran, no discrepancies noted.

I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Randall Lee Surls _____ AP3275908IA

H&L AIRCRAFT SERVICE, INC.
1765 McCollum Pkwy
Kennesaw GA 30144
Tel: 770-427-5400

N446NC
PA46-350P
Hobbs: 716.9

Date: 11/8/2018

Ran engine to operating temperatures. Drained oil. Removed oil filter, cut open, and inspected. No foreign material noted. Serviced engine with 8qts Aeroshell 15/50 and a new CH48103-2 oil filter. Washed engine. Ran engine. No leaks noted.

Kevin Southworth AP3641207

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

ENGINE SERVICE AND

DATE	TIME RUN	TIME SINCE OVERHAUL	INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

H&L AIRCRAFT SERVICE, INC.
1765 McCollum Pkwy
Kennesaw GA 30144
Tel: 770-427-5400

N446NC
PA46-350P
Hobbs: 791.8

Date: 5/16/2019

Ran engine to operating temperatures. Drained oil. Removed oil filter, cut open, and inspected. No foreign material noted. Serviced engine with 8qts Aeroshell 15/50 and a new CH48103-2 oil filter. Washed engine. Ran engine. No leaks noted.

Kevin Southworth AP3641207

H&L AIRCRAFT SERVICE, INC.
1765 McCollum Pkwy
Kennesaw GA 30144
Tel: 770-427-5400

N446NC
PA46-350P
Hobbs: 814.6

Date: 7/12/2019

Removed engine cowlings. Removed propeller. Replaced crankshaft seal with new p/n LW-15628. Reinstalled propeller. Tightened all rocker cover screws, oil sump bolts, turbo oil line bolts, and square oil drain plug. Washed engine. Ran engine. No leak noted. Installed cowlings.

Kevin Southworth AP3641207

H&L AIRCRAFT SERVICE, INC.
1765 McCollum Pkwy
Kennesaw GA 30144
Tel: 770-427-5400

Date: 9/25/2019

N446NC
TIO-540-AE2A S/N: L13487-61A
Hobbs: 830.8
Engine TT: 856.1

I certify that this Engine has been inspected I/A/W an annual inspection and has been determined to be in airworthy condition. Compression check on cylinders #1-6 as follows: 1) 69/80, 2) 68/80, 3) 70/80, 4) 76/80, 5) 72/80, 6) 69/80. Drained oil. Removed oil filter, cut open, and inspected. No foreign material noted. Serviced engine with 9qts Aeroshell 15/50 and a new CH48103-1 oil filter. Inspected engine and exhaust. Checked magneto timing, no adjustments made. Cleaned, gapped, tested, and rotated all spark plugs. Removed #4 cylinder and sent out for repair. Installed Continental Motor services repaired cylinder (WO# CS-9095) with new piston, ring set, and gaskets/seals. Reinstalled section of exhaust with new gasket p/n 77611. Washed engine. Ran engine. Systems check good. No leaks noted.

Kevin Southworth 3641207IA

H&L Aircraft Service, Inc. KRYY
1765 McCollum PKWY (770) 427-5400
Kennesaw, Ga. 30144

N446NC Date: 12/2/2020 Hobbs: 963.5

I Certify that this engine has been inspected in accordance with an annual inspection and is considered to be in airworthy condition. Compression check on cylinders 1-6 as follows: #1 77/80, #2 67/80, #3 75/80, #4 77/80, #5 77/80, #6 73/80. Removed cylinders #2 & #6 due to low compression and oily combustion chambers. Sent out to Twin Aircraft Engines, LLC for repair, see 8130-3. Installed repaired cylinders with new gasket seals and exhaust gaskets. Changed crack shaft oil seal LW15628. Changed oil and filter. Serviced with 11 QT. Aeroshell 100 mineral and a CH48103-1 filter. Cleaned, gapped and tested spark plugs, changed one with new RHB36S.
C/W AD 2015-19-07 by inspection of fuel injector lines and clamps, due again @ 1063.5 Hobbs
Washed engine and ground run. No leaks noted.

Mark Pfister A&P 2645423 IA

MAINTENANCE RECORD

REPAIRS, ADJUSTMENTS, MODIFICATIONS ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.	SIGNATURE	LICENCE NUMBER

N446NC Date: 12/19/2020 Hobbs: 966.1

Removed and replaced 11 spark plugs with new RHB36S. Ground ran engine. All systems operational check normal.

A&P 2645423 IA
Mark Pfister

N446NC Date: 2/24/2021 Hobbs: 996.8

Changed oil and filter. Serviced with 8QT. 15W 50 and one CH48103-1. Ground ran engine, operational check normal and leak check good.

A&P 2645423 IA
Mark Pfister

N446NC Date: 6/29/2021 Hobbs: 1059.7

Changed oil and filter. Serviced with 8QT. 15W 50 and one CH48103-1. Ground ran engine, operational check normal and leak check good.

A&P 2645423 IA
Mark Pfister

H&L Aircraft Service, Inc. KRYY
1765 McCollum PKWY (770) 427-5400
Kennesaw, Ga. 30144

N446NC Date: 12/3/2021 Hobbs: 1098.6

I Certify that this engine has been inspected in accordance with an annual inspection and is considered to be in airworthy condition. Compression check on cylinders 1-6 as follows: #1 76/80, #2 69/80, #3 70/80, #4 76/80, #5 48/80, #6 70/80. Removed cylinder #5 due to low compression and oily combustion chamber. Sent out to Twin Aircraft Engines, LLC for repair, see 8130-3. Installed repaired cylinders with new gasket seals and exhaust gaskets. Changed oil and filter. Serviced with 11 QT. Aeroshell 100 mineral and a CH48103-1 filter. Cleaned, gapped and tested spark plugs,
C/W AD 2015-19-07 by inspection of fuel injector lines and clamps, due again @ 1198.6 Hobbs
Washed engine and ground run. No leaks noted.

A&P 2645423 IA
Mark Pfister

N446NC Date: 3/3/2022 Hobbs: 1114.0

Removed engine driven fuel pump and sent to QAA for overhaul, see 8130-3. Installed overhauled fuel pump with new gaskets. Replaced crank shaft oil seal with new LW-15628. Ground ran engine. Operational check and leak check normal.

A&P 2645423
Mark Pfister

Engine log N446NC Date: 5/4/2022 Hobbs: 1142.2

Changed oil and filter. Serviced with 8QT. 15W 50 and one CH48103-1. Ground ran engine, operational check normal and leak check good.

A&P 2645423
Mark Pfister

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS,
	HRS.	MIN.	HRS.	MIN.	NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE

H&L Aircraft Service, Inc. KRYY
1765 McCollum PKWY (770) 427-5400
Kennesaw, Ga. 30144

N446NC Date: 8/26/2022 Hobbs: 1171.3 TTSN: 1171.3

Lycoming TIO-540-AE2A Serial No. L-13487-61A

I Certify that this engine has been inspected in accordance with an annual inspection and is considered to be in airworthy condition. Compression check on cylinders 1-6 as follows: #1 70/80, #2 71/80, #3 74/80, #4 70/80, #5 71/80, #6 75/80. Removed cylinder #4 due to oily combustion chamber. Sent out to Twin Aircraft Engines, LLC for repair, see 8130-3. Installed repaired cylinder with new gasket seals and exhaust gaskets. Changed oil and filter. Serviced with 8 QT. Aeroshell 100 mineral and a AA48103-2 filter. Cleaned, gapped and tested spark plugs, changed two with new URHM38E.
Removed and replaced left magneto with new Slick 6363, S/N 22030684. Installed with new gaskets and timed to engine.
Removed and replaced right magneto with new Slick 6360, S/N 20100001. Installed with new gaskets and timed to engine.
C/W AD 2015-19-07 by inspection of fuel injector lines and clamps, changed two clamps with new. Due again @ 1271.3 Hobbs
Washed engine and ground run. Operational check normal, No leaks noted.

Mark Pfister A&P 2645423 IA

H&L Aircraft Service, Inc. KRYY
1765 McCollum PKWY (770) 427-5400
Kennesaw, Ga. 30144

N446NC Date: 10/16/2023 Hobbs: 1239.3 TTSN: 1239.3

Lycoming TIO-540-AE2A Serial No. L-13487-61A

I Certify that this engine has been inspected in accordance with an annual inspection and is considered to be in airworthy condition. Compression check on cylinders 1-6 as follows: #1 78/80, #2 78/80, #3 78/80, #4 78/80, #5 78/80, #6 78/80. Changed oil and filter. Serviced with 8 QT. Aeroshell 15 W 50 and a AA48103-2 filter. Cleaned, gapped and tested spark plugs. Adjusted left and right magneto timing. Torque all valve cover screws.

C/W AD 2015-19-07 by inspection of fuel injector lines and clamps, changed two clamps with new. Due again @ 1339.3 Hobbs
AD 2023-09-09 N/A V-band clamp not spot welded design.
Washed engine and ground run. Operational check normal, No leaks noted.

Mark Pfister **A&P 2645423 IA**

Engine log N446NC Date: 5/3/2023 Hobbs: 1215.1

Changed oil and filter. Serviced with 8QT. 15W 50 and one AA48103-2. Ground ran engine, operational check normal and leak check good.

Mark Pfister **A&P 2645423**

CARRIED FORWARD

TOTAL THIS PAGE		
TOTAL FROM PREVIOUS SUMMARY		
TOTAL SINCE MFG.		

MAINTENANCE RECORD

REG. #: N446NC	TYPE: Lycoming	DATE: 1/3/2025
TACH: N/A	HOBBS: 1302.1	TT: 1302.1

Engine model; TIO-540-AE2A s/n L-13487-61A TSMOH; NA
Removed this engine from N446NC for repair / overhaul.

Steven Morgan AP 2719163

EQUINOXX
— AVIATION SERVICES —

Mechanic:

850 Airport Road
Lawrenceville, GA 30046
(770) 962-9092

LICENCE NUMBER

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

MAINTENANCE RECORD

ENTR

LICENCE NUMBER

REG. #: N446NC	TYPE: Lycoming	DATE: 1/3/2025
TACH: N/A	HOBBS: 1302.1	TT: 1302.1

Engine model; TIO-540-AE2A s/n L-13487-61A TSMOH; NA
Removed this engine from N446NC for repair / overhaul.

Steven Morgan AP 2719163

EQUINOXX — AVIATION SERVICES —

Mechanic:

850 Airport Road
Lawrenceville, GA 30046
(770) 962-9092

Engine log N446NC Date: 5/4/2022 Hobbs: 1142.2

Changed oil and filter. Serviced with 8QT. 15W 50 and one CH48103-1. Ground ran engine, operational check normal and leak check good.

Mark Pfister **A&P 2645423**

MAXIMUM HOURS BETWEEN OVERHAULS_____HOURS.

ENGINE LOG BOOK



CONTINENTAL SERVICES™

Fairhope, Alabama

FAA Repair Station No. 9CER853B

FHP-0050

Service Information

Consult the Continental web site at ***http://www.continental.aero*** for engine related news or announcements. The web site contains useful information for Continental engine owners, including service information and illustrated parts catalogs.

If Internet access is not available, contact our Customer Service Department at:
1-888-826-5465 Toll free in the United States or 1-251-436-8299 for International customers

Warranty Information

This product is covered by Continental Aerospace Technologies™ product warranty. To read or download a copy for your records, please visit the Product Warranty page on our web site at: ***http://www.continental.aero/services/warranty.aspx*** or scan the QR Code to the right to navigate to the page:

Instructions for Continued Airworthiness

For complete access to the engine Instructions for Continued Airworthiness, Illustrated Parts Catalogs, Service Documents, Technical Briefs, company news, and upcoming events, please take a few moments to register the serial number of your engine on our web site: ***http://www.continental.aero/services/owner-registration.aspx*** or scan the QR Code to the right to navigate to the page:

Engine Returns

Return engines for core credit with this log book to:
Continental Aerospace Technologies
2039 Broad Street
Mobile, AL 36615 USA

Return engines for overhaul with this log book to:
Continental Services
Factory Service Center
8600 County Road 32
Fairhope, Alabama 36532 USA

USE ONLY FUEL CONFORMING TO ASTM D910

USE OF AUTOMOTIVE FUEL IS PROHIBITED

DATE:	ENGINE MODEL:	ENGINE S/N:	ENGINE TT / SMOH
November 11, 2025	TIO540AE2A	L-13487-61A	1302.1 / 0.0

CONTINENTAL SERVICES

This is to certify that the engine described hereafter has been OVERHAULED to manufacturers new parts limits as listed in Lycoming Manual 60294-7 (revision date of 07/11).

This engine was inspected, assembled, and tested in accordance with manufacturers current instructions. Applicable Service Bulletins and Airworthiness Directives have been complied with.

This engine has been inspected in accordance with procedures listed in 60294-7 and has been accepted by Continental Services in Fairhope, Alabama. I certify that this engine has been OVERHAULED as indicated above and was determined to be airworthy with respect to the work performed. Reference Work Order ES-12544

COMPLIED WITH: SB664, SB342H, SB240AA, SB650, 480F, 518D, 240W, 544B, 475C, 472, 271A, 183A, 2015-19-07.

MECHANIC:	FAA CERT # 9CER853B	AUTHORIZATION:	FAA CERT # 9CER853B

MAKE: Piper
MODEL: PA-46-350P
S/N: 4636469
REG. NO: N446NC

Equinoxx Aviation Services
Part 145: 1GWR012C
850 Airport Rd
Lawrenceville, GA 30046

W/O #: LZU0000210
DATE: 02-09-2026
A/C TT: 1302.1
ENG TT: 1302.1
Hobbs: 1302.1
TSMOH: 0.0

Engine Entries

Removed engine (PN: TIO-540-AE2A, SN: L-13487-61A). Cleaned and inspected engine mount. Installed Overhauled engine (PN: TIO-540-AE2A, SN: L-13487-61A). Installed with new isolator mounts (PN: 475-117, 475-116) Installed new isolator mount bolts and nuts (PN: AN7-40A). Installed exhaust system provided from overhaul shop, including turbocharges, and waste gate. Installed provided V-band clamps and new Marmon flange gaskets. Installed new crossover pipe heat shield (PN: 40J22416) Installed new crossover pipes (PN: 40B19850, 40B19974). Installed new alternator and AC compressor belts (PN: 37A19773-382, 37A19773-464, 37B19774-460) set belt tension as per Piper Maintenance Manual. Installed new left inlet air duct (PN:565-454). Reinstalled all EGT/CHT probes installed with new cush clamps. Reinstalled Tach pickup, set timing and torqued hold downs. Installed Resealed propeller governor (PN S-1-30 SN: G331NJ) Installed with new base gasket, and torqued nuts. Flushed all fuel and oil lines and reconnected. Serviced engine with Phillips 20W50 Type M. Ground performance ran engine. Set manifold, oil pressure and RPM as per Piper Maintenance Manual. Leak checked good.

Complied with AD 2015-19-07 amendment 39-16894 dated November 3, 2015 by inspecting fuel injector lines and clamps per paragraph (e), (1) (ii) of AD and inspection instructions, table 1, diagram 20 and inspection checklist in Lycoming Service Bulletin 342G and supplements to 342G. Due every 110 hours, at engine overhaul or when maintenance causes movement to the fuel injector lines.

DATE: 02-09-2026 SIGNED: Phillip Danilchuk
A&P IA: 4470563

WORK ORDER: LZU0000210
Printed by EBIS (EBISCloud.com)

ce Record

art removal and
hiness Directives,
ns