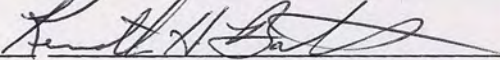


ENGINE LOG



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-AH1A SERIAL NO. L-11422-61A
DATE 5-23-03 
(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 LOG

THE NEW
PIPER AIRCRAFT, INC.

**General Offices at
Vero Beach, Florida
U.S.A.**

Part No. 230716

OWNER

NAME	ADDRESS	Installed in Aircraft No.	Date
1	TES AVIATION, LLC	N5369S	JUL 28 2003
900 MAIN ST. SOUTH, BLD. 2, SOUTHBRURY, CT 06488			
2			
3			
4			
5			
6			

If this book is found, please return it to the owner.

ENGINE LOG

<p><u>Reg#:</u> N5369S <u>Date:</u> 08/11/03 <u>Tach:</u> 42.9 <u>TTAF:</u> 42.9 <u>ELT DUE:</u> <u>Trans due:</u></p>	<p><u>EXECUTIVE FLIGHT SERVICES</u> Waterbury/Oxford Airport 288 Christian St, Oxford CT 06478 Tele (203) 264 - 8800 Logbook Entry</p>	<p><u>TTE:</u> 42.9 <u>SMOH:</u> NA. <u>TTP:</u> 42.9 <u>PSMOH:</u> NA <u>O2 BOTTLE</u> <u>HYDROSTATIC</u> <u>TEST DUE:</u> NA</p>
--	---	---

Drain oil remove filter, install new CH48110 filter and service engine with 8 quarts Aeroshell 15W50 oil. The engine has been run up and leak/ function checked.

Kyle Bork AP 49788064 IA.

Kyle Bork

<p><u>Reg#:</u> N5369S <u>Date:</u> 08/28/03 <u>Tach:</u> 98.0 <u>TTAF:</u> 98.0 <u>ELT DUE:</u> <u>Trans due:</u></p>	<p><u>EXECUTIVE FLIGHT SERVICES</u> Waterbury/Oxford Airport 288 Christian St, Oxford CT 06478 Tele (203) 264 - 8800 Logbook Entry</p>	<p><u>TTE:</u> 98.0 <u>SMOH:</u> NA. <u>TTP:</u> 98.0 <u>PSMOH:</u> NA <u>O2 BOTTLE</u> <u>HYDROSTATIC</u> <u>TEST DUE:</u> NA</p>
--	---	---

Drain oil remove filter, install new CH48110 filter and service engine with 8 quarts Aeroshell 15W50 oil. The engine has been run up and leak/ function checked.

Kyle Bork AP 49788064 IA.

Kyle Bork

Reg#: N5369S

Date: 09/24/03

Tach: 152.3

TTAF: 152.3

ELT DUE:

Trans due:

EXECUTIVE FLIGHT SERVICES

Waterbury/Oxford Airport 288 Christian St, Oxford CT 06478

Tele (203) 264 - 8800

Logbook Entry

TTE: 152.3

SMOH: NA.

TTP: 152.3

PSMOH: NA

O2 BOTTLE

HYDROSTATIC

TEST DUE: NA

Drain oil remove filter, install new CH48110 filter and service engine with 8 quarts Aeroshell 15W50 oil. The engine has been run up and leak/ function checked.

Kyle Bork AP 49788064 IA.

Kyle Bork

Reg#: N5369S

Date: 10/22/03

Tach: 203.9

TTAF: 203.9

ELT DUE:

Trans due:

EXECUTIVE FLIGHT SERVICES

Waterbury/Oxford Airport 288 Christian St, Oxford CT 06478

Tele (203) 264 - 8800

Logbook Entry

TTE: 203.9

SMOH: NA.

TTP: 203.9

PSMOH: NA

O2 BOTTLE

HYDROSTATIC

TEST DUE: NA

Drain oil remove filter, install new CH48110 filter and service engine with 12 quarts Aeroshell 15W50 oil. The engine has been run up and leak/ function checked.

Kyle Bork AP 49788064 IA.

Kyle Bork

ENGINE LOG

Reg#: N5369S

Date: 11/19/03

Tach: 248.3

TTAF: 248.3

ELT DUE:

Trans due:

EXECUTIVE FLIGHT SERVICES

Waterbury/Oxford Airport 288 Christian St, Oxford CT 06478

Tele (203) 264 - 8800

Logbook Entry

TTE: 248.3

SMOH: NA.

TTP: 248.3

PSMOH: NA

O2 BOTTLE

HYDROSTATIC

TEST DUE: NA

Drain oil remove filter, install new CH48110 filter and service engine with 12 quarts Aeroshell 15W50 oil. The engine has been run up and leak/ function checked.

Kyle Bork AP 49788064 IA.

Kyle Bork

Reg#: N5369S

Date: 11/22/03

Tach: 250.

TTAF: 250.

ELT DUE:

Trans due:

EXECUTIVE FLIGHT SERVICES

Waterbury/Oxford Airport 288 Christian St, Oxford CT 06478

Tele (203) 264 - 8800

Logbook Entry

TTE: 250.

SMOH: NA.

TTP: 250.

PSMOH: NA

O2 BOTTLE

HYDROSTATIC

TEST DUE: NA

Remove all fuel injectors for cleaning. Found #1 cyl injector obstructed by foreign mater. Reinstall all injectors in accordance with the Lycoming service manual for this engine. Compliance with AD 2002-20-01-paragraph c. by inspection of lines, clamps, and injectors done at this time.

Kyle Bork AP 49788064 IA.

Kyle Bork

Engine

Columbia Air Services, Inc.
LOG BOOK ENTRY

Page 1 of 1

A/C REG: N5369SA/C S/N: 3257329

DATE: 12/30/03

A/C TOTAL TIME: 264.4

HOUR METER: 264.4

W/O NO: MWO-03-0517

ENGINE TOTAL TIME 264.4

S.M.O.H.

1. Removed, cleaned, inspected, flow checked and reinstalled fuel injection nozzles.
2. Complied with **AD 2002-26-01** amend. 39-12986 dated 1/31/03. Inspected fuel injection lines per Textron **Lycoming Mandatory Service Bulletin No. 342D**, found to be satisfactory.
3. Performed engine ground runs. Adjusted fuel pressure using calibrated pressure gauge. Reset idle speed and mixture. Operational and leak checks satisfactory. Work performed in accordance with The New Piper Aircraft, Inc. PA-32R-301/301T A.M.M. chapters 73-10-00 and 73-20-00.

-----END-----

MAINTENANCE RELEASE

THE AIRCRAFT AIRFRAME, ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. PERMANENT RECORDS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O# MWO-03-0517 DATE 12/30/03 SIGNED FOR **Columbia Air Services, Inc.** FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
2-6-04	270.5		270.5	ENGINE REMOVED AND RETURNED TO FACTORY Shop Lyc Rep
Total To Carry Forward				

and Remarks

Signature

Certificate No.

TEXTRON Lycoming

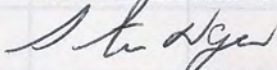
652 Oliver Street
Williamsport, PA 17701

2/27/04 Engine S/N L-11422-61A was removed from service with 270.5 T.S.N. and returned to Textron Lycoming for inspection/repair due to an oil leak at the crankcase nose seal. Engine was disassembled, cleaned and inspected. All cylinders honed. The crankcase, crankshaft and accessory housing were reworked to print. The engine was reassembled replacing all tappets, bearings, pistons, piston rings, piston pins, piston pin plugs, oil pump impellers and cylinder valve springs, hardware necessary for the repair and all perishable items. Engine was tested in accordance with Textron Lycoming specifications and is determined to be in an airworthy and safe operating condition. Additional service bulletins and instructions complied with SB 240S, 342D, 475C (91-14-22), 532, 539A, 554, 555A, SI 1267C, 1410, 1487, 1424. All pertinent data relating to this work is on file at Textron Lycoming under work-order **CR04018**.

LEON PEASLEY, Repair Station EJ1R115K
END

J M Peasley

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
<p>DATE: 7-2-04 TIME: HOUR METER TECH 270.5 ENGINE: M/D.T10-540-A11A ENGINE S/N: L-11422-61A</p> <p>INSTALLED Engine Service WITH 12 qts Phillips 20W50 oil GROUND RUN CHECK FOR LEAKS AD; 10K RPM Speed + Mixture</p> <p>STEVE DYER A&P 1929997  LYCOMING</p>				
Total To Carry Forward				

SERVICEABLE PART

Manufacturer LYCOMING ENGINES
Part Name AIRCRAFT ENGINE
Model No. TIO-540-AH1A
Serial No. L - 11422-61A
Remarks _____

The aircraft engine or accessory identified above was:

- Rebuilt
 Overhauled
 Repaired

and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repair are on file at this repair station under order no: CR04018

Date 2-27-04

Signed

JMPearley

Signature of Authorized Person

FOR:

LYCOMING

A Textron Company

652 Oliver Street

Williamsport, PA 17701 USA

FAA Repair
Station #EJ1R115K

Form 302A Rev. 3/01

ENGINE LOG

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

Reg#: N5369S

Date: 04/29/04

Tach: 335.0

TTAF: 335.0

ELT DUE:

Trans due:

EXECUTIVE FLIGHT SERVICES

Waterbury/Oxford Airport 288 Christian St, Oxford CT 06478

Tele (203) 264 - 8800

Logbook Entry

TTE: 335.0

SMOH: NA.

TTP: 335.0

PSMOH: NA

O2 BOTTLE

HYDROSTATIC

TEST DUE:

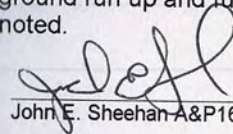
Shoreline Aviation Inc.

93 Old Colony Lane
Marshfield, MA., 02050
1-781-837-8521

N#: 5369S **ser#:** 3257329

Date: 06-03-2004 **hobbs:** 386.4

Drained oil, added 12 qts. Phillips X/C 20W/50 oil. Installed and safetied CH48110-1 filter. Oil sample taken. Oil filter cut open and no contaminants noted. Suction screen removed, inspected and reinstalled. Cyl. #2 removed without unseating rings to replace base gasket p/n 71481. Cyl. reinstalled with new seals and lock washers. All work done IAW Lycoming Direct Drive Overhaul manual p/n 60294-7. C.W. AD 2002-26-01 on fuel lines next due at next annual, 100 hr. or next fuel line work. Engine ground run up and functional check OK with no fuel or oil leaks noted.



John E. Sheehan A&P16603796IA

Drain oil remove filter, install new CH48110 filter and service engine with 12 quarts Phillips XC 20W50 oil. The engine has been run up and leak/ function checked.

Kyle Bork AP 49788064 IA.

Kyle Bork

and Remarks

Signature

Certificate No.

Reg#: N5369S

Date: 07/08/04

Tach: 468.7

TTAF: 468.7

ELT DUE:

Trans due:

EXECUTIVE FLIGHT SERVICES

Waterbury/Oxford Airport 288 Christian St, Oxford CT 06478

Tele (203) 264 - 8800

Logbook Entry

TTE: 468.7

SMOH: NA.

TTP: 468.7

PSMOH: NA

O2 BOTTLE

HYDROSTATIC

TEST DUE:

Drain oil remove filter, install new CH48110 filter and service engine with 12 quarts Phillips XC 20W50 oil. The engine has been run up and leak/ function checked.

Kyle Bork AP 49788064 IA.

Kyle Bork

Shoreline Aviation, Inc.
93 Old Colony Lane
Marshfield, MA 02050
781-837-8521

ENGINE LOG

Maintenance

N# : N5369S Ser. #: 3257329 Eng.TT: 481.7
Date: 07-27-2004 Hobbs: 481.7 ACTT: 481.7

Completed Annual inspection per FAR 43, appendix D using Piper form 230-2047 as a guide. Drained oil, added 11 qts. Phillips X/C 20w-50 engine oil. Checked the oil filter and suction screen and found no abnormal contaminants - installed a new CH48110-1 oil filter. Oil sample taken for analysis. Cyl. Comp. 1) 77/80 2) 78/80 3) 78/80 4) 78/80 5) 78/80 6) 78/80. Installed a new P15-1936 eng. air filter element. C/W AD 2002-26-01 (fuel lines) - no defects noted - next due at next Annual or 100 hr. insp. or any fuel line work. Installed new 67193 rocker cover gaskets at cyls. #3 & #5. Lubricated wastegate butterfly shaft. Removed, inspected, reinstalled and timed both magnetos. Engine ground runup and functional check OK with no fuel or oil leaks noted. I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Edward J. Novak Jr.
Edward J. Novak Jr. A+P 22445883 IA

Total To Carry Forward				

and Remarks	Signature	Certificate No.
SUN AVIATION, INC., Vero Beach, FL (VRB)		
Date: 6/30/04 Hobbs: 147.0 Eng. TT: 147.0	Engine Log Model: TIO-540-AH1A SN:L-11422-61A	N5369S Aircraft SN: 3257329
<p>Replaced LH and RH Magnetos, installed new LH PN 6361/SN 0406-0001 and RH PN 6360/SN 04051888 And timed IAW specifications. Replaced Fuel Servo, installed repaired PN 2576554-2/SN 70276607. Replaced Engine Driven Fuel Pump, installed new PN 200F-5002/SN HLN010PP. Trouble shot Fuel and ignition system and no discrepancies found at this time.</p>		
<p>MAINTENANCE RELEASE: This aircraft, airframe, aircraft engine, propeller or appliance was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. All work was performed in accordance with applicable aircraft, engine and or appliance maintenance manuals and instructions. Pertinent details are on file at the repair station office, WO #18932.</p>		
Signature  Sun Aviation, Inc, Municipal Airport, Vero Beach, FL 32961 (772) 562-9257	CRS#ECWR470D	

and Remarks	Signature	Certificate No.
8-10-2001 TT: 491.6		
<p>Removed defective Absolute Pressure relief valve and replaced with NEW valve LW-14445-12 Serial No. BDN02650 in the same location in accordance with Piper Maintenance Manual. Made all nessasary adjustments. No change in weight & balance. Operational check performed and found satisfactory.</p>	<p><i>Christopher A. Can</i></p>	<p>2858234 A&P</p>

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought			

Reg#: N5369SDate: 08/18/04Tach: 506.0TTAF: 506.0ELT DUE:Trans due:**EXECUTIVE FLIGHT SERVICES**

Waterbury/Oxford Airport 288 Christian St, Oxford CT 06478

Tele (203) 264 - 8800*Logbook Entry*TTE: 506.0SMOH: NA.TTP: 506.0PSMOH: NAO2 BOTTLEHYDROSTATICTEST DUE:

Drain oil remove filter, install new CH48110 filter and service engine with 12 quarts Phillips XC 20W50 oil. The engine has been run up and leak/ function checked.

Kyle Bork AP 49788064 IA.

Kyle Bork

Total To Carry Forward				

Engine**Columbia Air Services, Inc.**

Page 1 of 1

LOG BOOK ENTRYA/C REG: N5369SA/C S/N: 3257539DATE: 09/17/04A/C TOTAL TIME: 559.1HOUR METER: 559.1W/O NO: MWO-04-1014

ENGINE TOTAL TIME

S.M.O.H.

1. Drained engine oil and obtained sample for analysis. Removed, cut open, and inspected oil filter element, found to be satisfactory. Installed, torqued, and safetied new oil filter, P/N: CH48110-1. Removed, inspected, cleaned and reinstalled oil suction/sump screen. Serviced engine with Aeroshell 15W-50 oil. Performed engine ground run, leak check satisfactory.
2. Checked engine driven fuel pump outlet pressure using calibrated test gauge, found to be within operating limits. Removed test gauge, leak check satisfactory.

-----END-----

MAINTENANCE RELEASE

THE AIRCRAFT AIRFRAME, ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. PERMANENT RECORDS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O# MWO-04-1014 DATE 09/17/04 SIGNED [Signature]FOR **Columbia Air Services, Inc.** FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

Reg#: N5369S
Date: 10/14/04
Tach: 599.4
TTAF: 599.4
ELT DUE:
Trans due:

EXECUTIVE FLIGHT SERVICES
 Waterbury/Oxford Airport 288 Christian St, Oxford CT 06478
Tele (203) 264 - 8800
Logbook Entry

TTE: 599.4
SMOH: NA.
TTP: 599.4
PSMOH: NA
O2 BOTTLE
HYDROSTATIC
TEST DUE:

Drain oil remove filter, install new CH48110 filter and service engine with 12 quarts Phillips XC 20W50 oil
 The engine has been run up and leak/ function checked.

Kyle Bork AP 49788064 IA.

Kyle Bork

Total To Carry Forward				

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FAA

Engine**Columbia Air Services, Inc.
LOG BOOK ENTRY**

Page 1 of 1

A/C REG: N5369SA/C S/N: 3257539

DATE: 11/05/04

A/C TOTAL TIME:

HOUR METER: 651.2

W/O NO: MWO-04-1092

ENGINE TOTAL TIME

S.M.O.H.

1. Drained engine oil and obtained sample for analysis. Removed, cut open, and inspected oil filter element, found to be satisfactory. Installed, torqued, and safetied new oil filter, P/N: CH48110-1. Removed, inspected, cleaned and reinstalled oil suction/sump screen. Serviced engine with Aeroshell 15W-50 oil. Performed engine ground run, leak check satisfactory.

-----END-----

MAINTENANCE RELEASE

THE AIRCRAFT AIRFRAME, ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. PERMANENT RECORDS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O# MWO-04-1092 DATE 11/05/04 SIGNED [Signature]

FOR **Columbia Air Services, Inc.** FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

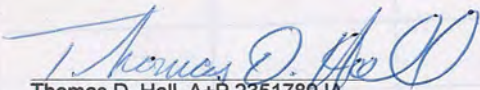
Shoreline Aviation, Inc.
93 Old Colony Lane
Marshfield, MA 02050
781-837-8521

Maintenance

N#: N5369S Ser. #: 3257329 Eng.TT: 686.2
Date: 01-07-2005 Hobbs: 686.2 ACTT: 686.2

Completed Annual inspection per FAR 43, appendix D using Piper form 230-2047 as a guide. Drained oil, added 11 qts. Phillips X/C 20w-50 oil.
- Installed and saftied a new CH48110-1 oil filter - inspected the removed oil filter element and found no abnormal contaminants. Oil sample taken for analysis. Cyl. Comp. 1) 78/80 2) 78/80 3) 78/80 4) 77/80 5) 78/80 6) 78/80. C/W AD 2002-26-01 on the fuel lines - no defects noted - reinsp. due at next 100 hr. or annual insp. or any fuel line work. C/W Lyco. SB 538 (oil sump casting voids) and found no defects. Lubricated and freed up sticking wastegate buuterfly valve. Engine ground runup OK with no fuel or oil leaks noted. I certify that this engine has been inspected in accordance with a ~~100~~ hr. inspection and was determined to be in airworthy condition. Annual em

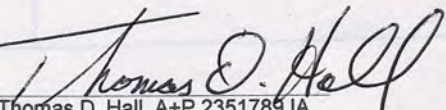
Shoreline Aviation, Inc.
93 Old Colony Lane
Marshfield, MA 02050
781-837-8521


Thomas D. Hall A+P 2351789 IA

N#: N5369S Ser. #: 3257329
Date: 01-10-2005 Hobbs: 686.5

Installed a new engine driven fuel pump (part # 62E23186, serial # HKN006FP). see attached 8130-3 for details. Runup, functional and leak checks all normal.

Total To
Carry Forward

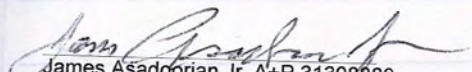

Thomas D. Hall A+P 2351789 IA

Shoreline Aviation, Inc.
93 Old Colony Lane
Marshfield, MA 02050
781-837-8521

N#: N5369S

Date: 01-18-2005 Hobbs: 692.2

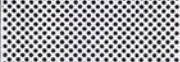
Installed a new waste gate assembly (part # 47J22459, serial # HJN00315) using two new 75845 gaslets. Functional and leak checks were satisfactory. See attached 8130-3 form for details.


James Asadoorian Jr. A+P 31308880

Signature

Certificate No.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
MAY 5, 2005		779.0 HOBBS		DRAINED OIL AND SERVICED OIL. REMOVED AND FILTER. DRESSED AND LEAK CHECK OK.
MAY 18, 2005		827.4 HOBBS		DRAINED OIL AND SERVICED OIL. REMOVED AND FILTER. RUN UP AND
Total To Carry Forward				

and Remarks	Signature	Certificate No.
WITH 12 QUARTS PHILLIPS ZOWSO REPLACED OIL FILTER WITH CH48110 PAINTED PROPELLER. RUNUP AND	<i>Munirah Peramal</i>	2643691 APP/IA
WITH 12 QUARTS PHILLIPS ZOWSO REPLACED OIL FILTER WITH CH48110 OPS CHECK OK.	<i>Munirah Peramal</i>	2643691 APP/IA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
JUNE 2, 2005			867.2	DRAINED OIL AND SERVICED REPLACED OIL FILTER WITH
JUNE 24, 2005			912.1	DRAINED OIL AND SERVICED REPLACED OIL FILTER WITH
JULY 7, 2005			955.0	DRAINED OIL AND SERVICED OIL, REPLACED OIL FILTER OK.
Total To Carry Forward				

and Remarks	Signature	Certificate No.
WITH 10 QTS PHILLIPS ZOWSO, CH48110, RUN UP AND LEAK CHECK OK.	M. Person	ATP2643691IA
WITH 12 QUARTS PHILLIPS ZOWSO, CH48110, RUN UP AND LEAK CHECK OK.	M. Person	ATP2643691IA
WITH 12 QUARTS PHILLIPS ZOWSO WITH CH48110, RUN UP AND LEAK CHECK	M. Person	ATP2643691IA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			REPLACED LANDING LIGHT.
JULY 12, 2005			962.0	AND GAPPED, REPAIRED BROKEN METAL PLATE & BRACKET.
				REINSTALLED AND ADJUSTED
				ENGINE HARNESS WITH NEW
Total To Carry Forward				

and Remarks	Signature	Certificate No.
REMOVED ALL SPARK PLUGS, CLEANED BAFFLE ON ENGINE BY RIVETING NEW REMOVED LEFT MAGNETO AND INSPECTED. ENGINE TIMING TO 20° BTC . REPLACED SUCK M6044 HARNESS .	M. Pearson	AHP2643691 IA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			DRAINED OIL AND SERVICED
AUG. 4, 2005		HOBBS	993.0	REPLACED OIL FILTER WITH
				AND REINSTALL ALL SPARK
				P/N 561-020, FILTER DUE
				ON #4 CYLINDER, COMPRESS
				#3) $\frac{27}{80}$ #4) $\frac{52}{80}$ #5) $\frac{71}{80}$
				$\frac{75}{80}$ AFTER PUSH ROD
				OK. I CERTIFY THAT THIS
				ACCORDANCE WITH AN
				DETERMINED TO BE IN
Total To Carry Forward				

and Remarks	Signature	Certificate No.
<p>WITH 12 QUARTS PHILLIPS 20W50, CH48110, REMOVED CLEANED, GAPPED PLUGS, REPLACED AIR FILTER WITH AT 1493 HOBBS, REPLACED PUSH RODS CHECK AS FOLLOWS: #1) $\frac{77}{80}$ #2) $\frac{78}{80}$ #6) $\frac{78}{80}$, CYLINDER #4 COMPRESSION REPLACEMENT, RUN UP AND LEAK CHECK ENGINE HAS BEEN INSPECTED IN ANNUAL INSPECTION AND HAS BEEN AIRWORTHY CONDITION.</p>	<p><i>Minister Perdomo</i></p>	<p>AAP2643691JA</p>

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
SEP. 9, 2005		HOBB S	1025.2	DRAINED OIL & SERVICED REPLACED FILTER WITH WITH NEW CHAMPION
Total To Carry Forward				

Engine**Columbia Air Services, Inc.
LOG BOOK ENTRY**

Page 1 of 1

A/C REG: N5369SA/C S/N: 3257539DATE: 08/26/05A/C TOTAL TIME: 1030.6HOUR METER: 1030.6W/O NO: MWO-05-1437

ENGINE TOTAL TIME

S.M.O.H.

1. Performed cylinder differential compression check, all cylinders found to be satisfactory. Removed, cleaned, inspected, gapped, tested and reinstalled all spark plugs. Checked magneto to engine timing, found to be satisfactory. Performed high-tension check of ignition leads, found to be satisfactory. Performed engine ground run, operational check satisfactory. Work performed in accordance with The New Piper Aircraft, Inc. PA-32R-301T M.M. chapters 74-10-00 & 74-20-00.

-----END-----

MAINTENANCE RELEASE

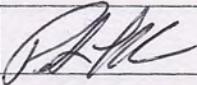
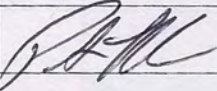
THE AIRCRAFT AIRFRAME, ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE FOR THE WORK PERFORMED. PERMANENT RECORDS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION UNDER

W/O# MWO-05-1437 DATE 08/26/05 SIGNED [Signature]FOR **Columbia Air Services, Inc.** FAA CERTIFIED REPAIR STATION # S05R204N GROTON, CT 06340

and Remarks	Signature	Certificate No.
NOV. 11, 2005 1100.0HOBBS	M. Pennant	A6P2643691JA
DRAINED OIL AND SERVICED WITH		
12 QUARTS AEROSHELL 80. REPLACED		
FILTER WITH CH48110 FILTER. RUN UP		
AND LEAK CHECK OK.		

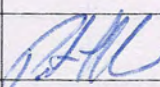
ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
5/27/06			Hobs 1177.7	Removed fuel servo service. Unit was reinstalled. Yellow tag for work in rear Servo P/N 2576544-2
6/21/06			Hobs 1203.1	Drained oil and removed 12 gts 50wt aeroshell. Tests. No leaks found
Total To Carry Forward				

and Remarks	Signature	Certificate No.
<p>and sent out to Mattituck for and engine ground run and adjusted. of book WO# 61159 dated 5/26/06 Ser# 70276607.</p>		<p>AIP450050</p>
<p>and replaced with new 48110. Installed Engine ground run and checked for and aircraft was returned to service.</p>		<p>AIP450050</p>

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
8/2/06		Hchbs 1230.2		Revised both LH & RH and rotor gears per service manual, Engine to return to service time, Installed 12 qts of Siltex oil so. Std.
9/2/06		Hchbs, 1254.1		Drain oil and replaced Comp test as follows: All engine controls
Total To Carry Forward				

and Remarks	Signature	Certificate No.
84) mags and replaced brake points 500 hr inspection from manufacturer ground run and found satisfactory Oil and filter were changed at this aerostroll 100 50wt oil and a new 4C110		A-12450080

Filter with new C114C110 Filter
~~#1 70 2 80 #2 68 3 80 #4 66 5 80 #70 6 80~~
 checked for proper travel

Next Page →

ENGINE LOG

Date 2006	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	1254.1		
9/21/06				
Prev Page →				label. Turbo inspected Plugs cleaned and gapped run and found satisfactory that this engine has an annual inspection an airworthy condition
Total To Carry Forward				

ance

and Remarks

Signature

Certificate No.

ected
gapped
Saturday
has
has
has
has

and wastgate label. All exhaust inspected
May timing checked Engine found
to return to service. I certify
been inspected in accordance with
and has been determined to be in
at this time

P. M. A. #4500548

ENGINE LOG

Date 2006	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →	1320.1	"0" STO	
12/27/06		Holds 1320.1		Removed all 6 cylinders, disassembled cleaned glass bead as needed. Cylinders honed and seats assembled with new springs, valves, keepers. Assemblies were painted. Cylinders were installed with new pistons rings and intake seals replaced. Filter and 12 gals run and checked for leaks. Engine has been seen to return to service
Total To Carry Forward				

and Remarks

Removed all 6 cylinders, disassembled cleaned glass bead as needed. Cylinders honed and seats assembled with new springs, valves, keepers. Assemblies were painted. Cylinders were installed with new pistons rings and intake seals replaced. Filter and 12 gals run and checked for leaks. Engine has been seen to return to service

Installed new CH 48/110-1 of 50 wt aerostell. Engine ground leaks. Engine has been seen to return to service

P. F. M.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
2007	Brought Forward →			
2/2/07		Hobbs 1351		
		Drained oil and replaced filter with CH48/110 and 12 qt of AD80 46wt aeroshell oil.		AP4450054
5/20/07		Hobb 1398		
		Drained oil and replaced filter with new CH48/110 and 12 qt AD110 50wt aeroshell oil		AP4450054
Total To Carry Forward				

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
2009	Brought Forward →			
7/21/09		Hobb 1442.2	122.1 STOH	Replaced turbocharger- wastegate "V" clamp drained and new CH48110 aeroshell was installed All hoses replaced at this
9/4/09		Hobb	1498.3	Drained oil and replace AD 100 50 wt oil.
Total To Carry Forward				

and Remarks
with OH unit from ATC replaced and boost control valve. Oil was filter installed 12 of AD100 50wt Engine ground run and adjusted. time.
Filter with new CH48110-1 and 12 of Engine ground run and found satisfactory

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
2007				
	Brought Forward →			
10/12/07				Drained oil and replaced Removed cleaner and Turbo inspected for Comp test as follows Engine ground run in To certify that this accident was with an found to be in an
Total To Carry Forward				

and Remarks

Filter with new CH 98110-1 Filter
 rechecked plugs May timing checked
 condition and leaks Wastegate fixed
 # 18 4 26 # 3 26 # 4 23 # 5 16 # 6 24
 1-20 2-20 3-20 4-20 5-20 6-20
 Found satisfactory to return to service
 engine has been inspected in
 annual inspection and has been
 airworthy condition at this time.
J. M. H. P. 4

ENGINE LOG

Date <i>2008</i>	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
<i>11/1/08</i>		<i>Hebbs. 1751.2</i>		Drained oil and replaced plugs, cleaned and grepped. Lubed engine contacts inspected and lubed. Mags were removed and installed new M308/Mag. Installed 12 qt of ground run and Conq. #48 #58 #680
Total To Carry Forward				to return to service

and Remarks

Filter with new CH48/110-1. Removed. Inspected all hoses for condition and checked proper travel. Wastegate Turbo was inspected for condition. both mag coils replaced with new contact sets. Mags retimed to engine. AD80 40wt aeroshell oil. Engine test as follows: #18 #25 #350. Engine has been found satisfactory. I certify that this

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
2008				
	Brought Forward →			
11/1/08		Hobbs		
Prev's Page	→			engine has been inspected inspection and has airworthy condition
11/1/08		Hobbs		
				Installed OH Propeller Hub Serial # HK 887B Serial # G3151, Ground
Total To Carry Forward				

and Remarks
<p style="font-size: 1.2em;">in accordance with an annual been determined to be in an at this time.</p> <div style="text-align: right; margin-top: 10px;"> </div>
<p style="font-size: 1.2em;">Model HC-13-YR-1RF/F7663DR and Hartzell Governor Model V5-6 run and checked for leaks</p> <div style="text-align: right; margin-top: 10px;"> </div>

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
2009	Brought Forward →			
12/1/09		Hobbs	1834.0	Cowl remove for inspection Perform Comp test as follows Inspected fuel line per Controls, checked for checked all line and ground run and found I certify that this accordance with an determined to be in
Total To Carry Forward				

and Remarks
Removal plays and clean + gapped #1 $\frac{77}{80}$ #2 $\frac{76}{80}$ #3 $\frac{78}{80}$ #4 $\frac{79}{80}$ #5 $\frac{78}{80}$ #6 $\frac{77}{80}$ AD 2008-14-01 Next due 1934.0 proper travel and lubed. Mag timing hoses checked for condition Engine satisfactory to return to service engine has been inspected in annual inspection and has been an airworthy condition at this time J. M. [Signature]

ENGINE LOG


Date	Time		Recorder Reading	Maintenance
	This Date	Since Major		

BARTELT AVIATION, INC.



Date: 05/27/2010
 Engine Model: TIO-540-AH1A
 Serial No: L-114222-61A
 Hobbs: 1849.6

Removed and reinstalled #3 and #5 Exhaust Collector Pipes after repairs by Dawley Aviation. See Yellow Tag dated 4/29/10, Work Order 101209. Installed new Blow Proof Exhaust Gaskets on #3 and #5 Cylinders. Installed missing Textron Part No. LW-19189 Muffler Support Cable and Hardware. Replaced missing fwd engine baffling hardware. Installed missing Piper P/N 766-684 Engine Baffle Clip and Hardware. Lubricated Waste Gate Assy. Wash down engine compartment.


 Larry E. Russell 377663996
 Bartelt Aviation, Inc. (269)651-5431

Total To Carry Forward				