N90874

STARTED 07/24



0-360-A4M L-27647-36A

	Make: Lycoming Eng Model: O-360-A4M SN: L-27647-36A Aircraft: N90874 TACH: 5528.1 HM: 122.0	
	100 hr insp cw IAW LOM & 14CFR43 Appdx D. Cylinder compressions 75/71/73/74 over 80 psi (1-4). Oil	
YEAR:	dipstick loose: retightened and safetied. Oil filter cut, inspected (NDN), with new AA48110-2 installed.	
	Oil drained and resved w 7 qts 100AW. Exhaust bolts by heat exchanger severely corroded: cut bolts off,	p
DATE	installed new AN5-4, NAS1149, AN363. 4 spark plugs require replacement: RR w new UREM38E.	
	China Children on	_
	Matthew Hood AP3267745 Dated: Nov 15 th , 2024.	-
 	I certify that this engine has been inspected IAW PA28-181, LOM, and 14CFR43 Appdx D for 100 hr	_
	inspection, has been found airworthy at this time, and is returned to service. All applicable AD's noted	
	to have been complied with at this time.	Car
	and the William	-
	Matthew Hood AP3267745 Dated: Nov 15 th , 2024.	_
		_
		_
		_
		_
NOTES		_

YEAR:	TODAY'S FLIGHT	RECORDING TACH TIME	TOTAL TIME IN SERVICE	Description of Maintenance The entries must include Name, Certificate Number and Rating of the Technician or I Facility.	Repair
	Complie Strike. C for over hardwar Engine C A4M MI Engine R Bolts: Q	ed With Annual in Overhaul comple haul provides De re. Engine service	nspection: Engir ted under Work escription and co ed with 7 qts of up and Leak che N: 94011-2 A QTY-2 I	IM SN: L-27647-36A Aircraft: N90874 TACH: 5230.3 HM: 164.4 ne was removed and sent for overhaul at Tropic Airpower due to Prop Order #1784 with Form FAA 337 provided for overhauled engine- Log Entry completion of work. Engine reinstalled using new engine mounts and new Type M 20W-50 Mineral oil as per Lycoming Engine overhaul operations. ecks performed- Good; NDN. All work completed IAW LYCOMING IO-360- QTY-2 PN: J9613-72 PN: AN7-43A	
NOTES	with at	that this engine n found airworth this time.	ny at this time, a	cted IAW 14CFR43 Appx D for Annual inspection/ New engine installation, and is returned to service. All applicable AD's noted to have been complied laynes AP3348610IA Dated: June 17 th , 2024.	

YEAR:	Make: Lycoming Eng Model: O-360-A4M SN: L-27647-36A Aircraft: N90874 TACH: 5330.1 HM: 284.7 100 hr insp cw IAW LOM & 14CFR43 Appdx D. Cylinder compressions 80/70/80/70 over 80 psi (1-4). Oi dipstick loose: retightened and safetied. Oil filter cut, inspected (NDN), with new AA48110-2 installed. Oil drained and resvcd w 7 qts 100AW. Cody Haynes AP3348610 Dated: Aug 15th, 2024. I certify that this engine has been inspected IAW PA28-181, LOM, and 14CFR43 Appdx D for 100 hr inspection, has been found airworthy at this time, and is returned to service. All applicable AD's noted to have been complied with at this time. Cody Haynes AP3348610 Dated: Aug 15th, 2024. Make: Lycoming Eng Model: O-360-A4M SN: L-27647-36A Aircraft: N90874 TACH: 5259.3 HM: 300.3 Nose seal leak noted; Prop and accessories removed- RR nose seal with new PN: 13792 with adhesive and allowed to cure overnight. Engine run up and leak checks performed- Good; NDN. All Work Completed IAW Lycoming OM and IPC. Matthew Hood AP3267745IA Dated: August 27th, 2024.	!epair
NOTES:		

anufacturer LYCOMING		Engine Red	ord		
roroft the			Model	0-360	-A4M
erial / 2 7 (1)	90874		Type Certificate		
- 2/641-3	6A		•	V = 2 E W	-(0
nimum Octane Fuel			Oil Grade	XC25W Winter:	Summer:
	Firing Order	1-3-2	2-4	Magneto Time	25° BTD
anufacturer recommended overhaul at		hours	Spark Plug Gap	0.016-0.	
	Addie	ional latera		MATERIAL PROPERTY AND ADDRESS OF THE PARTY AND	CONTRACTOR OF THE PARTY OF THE
OTES:	Auuit	nougr IULO	mation		
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YE	AR:	TODAY'S FLIGHT	RECORDING TACH	TOTAL TIME IN SERVICE	Description of Maintenance The entries must include Name, Certificate Number and Rating of the Technician or Repair
DA	ATE		TIME		Facility.

TROPIC AIRPOWER

Quality Aircraft Engine Overhaul
FAA Overhaul Repair Station T7KR187Y
20600 SW Citrus Blvd
Indiantown, Florida
Ph 561-964-8770

www.tropicairpower.com

Date May 16, 2024, Work Order# 1784 Engine; Lycoming O-360-A4M S/N RL-33951-27A. This Engine/Power Plant is zero time "SINCE" overhaul-rebuild to new limits. "Total Time continuing". The engine has been test run successfully, is airworthy and approved for return to service after installation and successful test run on aircraft for which it is approved. Eligibility is TBV by the installer. Details of work on record at this repair station. Overhaul of Engine: New Crankshaft. Rods, Rocker Arms O/Hauled (A.S.S). Three Rods replaced. Crankcase o/hauled, (Divco) with new cyld base studs. New Lycoming Camshaft with Centra-lube STC drilled camshaft for positive oil pressure lubrication. STC filed with FAA OK City. New Lycoming lifter bodies. New Main/Rod bearings. O/hauled with all new Internal parts, Nickel barrel Cylinder Assemblies. New piston pins and Brass plugs New Rod bolts/nuts. New hardware throughout. New Thru-Studs. All new gaskets, seals, clamps and locking devices. New Return/Drain back tubes, drain back hose, intake hoses, clamps. New ES4371 and ES4370 magnetos, New Ignition Harness, and sparkplugs. New crankshaft gear and bolt. New fuel pump plunger, new idler gears, new magneto drive gears, new crankshaft gear and bolt. Carburetor o/h (D/G). New fuel pump. All parts cleaned Inspected. New oil pressure spring and ball. New Vernatherm. New 149NL Starter Motor. New oil cooler. New Silicon Valve cover gaskets. New inter-cylinder baffling. All external parts primed, painted Lycoming Grey, baked before assembly. Engine test run with Philips Mineral 20w50 oil and Cortec 329. Fogging oil sprayed into engine at end of test run. Oil filter cut open after test run, clean, new filter installed. New no blow exhaust gaskets. All engine open ports plugged, covered. Mark Young Admin.

THE AIRCRAFT AIRCRAFT MAINTENANCE MAINTENANCE RECORD RECORD SYSTEM

N90874

L09#3

Date Started 9-1-17

CLOSED 07/24

ENGINE MAINTENANCE RECORDS

D



Barrier Island Aviation, Ltd.

Aircraft N90874

9-1-17 Tach: 4934.0 Actt 4934.0

Engine m/n O-360-A4M

Engine s/n 288315-R

Engine Tso: 1696.6

Complied with compression test (1)72, (2)78, (3)73, (4)74. Drained oil, removed oil filter, cut open old filter—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8qts of Aeroshell 15W-50 oil. Cleaned gapped and tested spark plugs. Ground run good. I certify this engine has been inspected IAW ANNUAL inspection as par FAR 43 APP D and Piper INSPECTION CHECKLIST and was determined to be in airworthy condition and is returned to service.

Andy Rosman 3524208 IA



Rarrier Island Aviation, Ltd.

Aircraft N90874 Engine m/n O-360-A4M

9-26-18

Tach: 4985.8 Actt 4985.8

Engine s/n 288315-R

Engine Tso: 1748.4

Complied with compression test (1)74, (2)77, (3)72, (4)74. Drained oil, removed oil filter, cut open old filter—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8qts of Aeroshell 15W-50 oil. Cleaned gapped and tested spark plugs. Ground run good. I certify this engine has been inspected IAW ANNUAL inspection as per FAR 43 APP D and Piper INSPECTION CHECKLIST and was determined to be in airworthy condition and is returned to service.

Andy Rosman 3524208 IA



Barrier Island Aviation, Ltd.

Aircraft N90874/

Date 5-7-19 Tach 5019.2

Drained oil, removed old filter & cut open—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8 quarts of Aeroshell 15W-50. Ground run good.

Andy Rosman/3524/208 A&P



Barrier Island Aviation, Ltd.

Aircraft N90874

10-9-19 Tach: 5043.1 Actt 5043.1

Engine m/n O-360-A4M

Engine s/n 288315-R

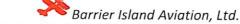
Engine Tso: 1805.7

Complied with compression test (1)74, (2)76, (3)73, (4)74. Drained oil, removed oil filter, cut open old filter—no metal found. Installed/new oil filter p/n CH48110-1 & serviced with 8qts of Aeroshell 15W-50 oil. Cleaned gapped and tested/spark plugs. Ground run good. I certify this engine has been inspected IAW ANNUAL inspection as per FAR 43 APP D and Piper INSPECTION CHECKLIST and was determined to be in airworthy condition and sreturned to service.

Andy Rosman 3524208 IA

SUB-TOTALS this page

TOTALS-Carry forward to next page



Aircraft N90874

12-10-2020

Tach: 5056.5 Actt 5056.5 Engine s/n 288315-R

Engine Tso: 1819.2

Engine m/n O-360-A4M

Complied with compression test (1)72, (2)76, (3)67, (4)70. Drained oil, removed oil filter, cut open old filter—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8qts of Aeroshell 15W-50 oil. Cleaned gapped and tested spark plugs. Replaced alternator bolt p/n AN6-44A. Ground run good. I certify this engine has been inspected IAW ANNUAL inspection as per FAR 43 APP D and Piper INSPECTION CHECKLIST and was determined to be in airworthy condition and is returned to service.



02/28/2023

N90874

Tach: 5092.1

TSO 185.4.7

Performed 100 HR. Inspection on this engine using Aircraft Manufacture's checklist, Compression checks (1) 74 (2) 76 (3) 78 (4) 76. Drained oil, serviced with 8 qts. Acro Shell 15W50, replaced oil filter AA48110-2, cut open and inspected old filter, no defects noted. Removed, and inspected spark plugs, replaced all (8), REM 38E. Replaced Bracket Induction Air Filter p/n BA3. Tightened alternator beltAD list checked thru 02/28/2023, none due Ground run and ops checks good. All work accomplished IAW manufactures instructions

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

AP 3640875

Make: Lycoming Eng Model: O-360-A4M SN: L-27647-36A Aircraft: N90874 Hobbs: 5274.7 Make: Lycoming Eng Model: O-360-A4IVI SIV. L. 275.

All 4 Rocker box covers leaking: RR with new rocker box cover gaskets PN: 75906 and torqued. Alternator belt

Lycoming O-360-A4IVI IVIVI.

I certify that this engine has been inspected IAW 14CFR43 Appx D , has been found airworthy at this time, and is

Cody Havnes AP33486101A

_ Dated: September 22nd, 2023

Make: Lycoming Eng Model: O-360-A4M SN: L-27647-36A Aircraft: N90874 TACH: 5176.1 HM: 93.1 Make: Lycoming Eng Model: O-360-A4M SN: L-27097-300 Gillian Special Representation of the Complied with 100hr Inspection. Spark plugs cleaned, gapped, inspected, tested, rotated and reinstalled w/ new AAA8110-2 reinstalled completed oil filter room new AAA8110-2 reinstalled completed oil filter room new Make: Lyconing Line Complied with 100hr Inspection. Spark plugs cleaned, gapped, inspected, tested, rotated and reinstalled w/ new gaskets: NDN. Engine oil drained; reserviced with 8 qts of 100AW. Removed, cut and inspected oil filter w/ new askets: NDN. Engine oil filter with new AA48110-2, re installed sump screen with new crust new crust. gaskets: NDN. Engine oil drained; reserviced with 6 qts of 10000v. Removed, cut and inspected oil filter w/ new sump screen and inspected. Replaced oil filter with new AA48110-2, re installed sump screen with new of 10000v. Removed and inspected oil filter, removed sump screen with new crush gasket and safety wired both. New Brackett filter elements in the same compressions.

1)76/80, 2)76/80, 3)76/80, 4)76/80 psi. Magneto timing checked – Good at 25°, spark plug leads tested – Good. NDN. All work completed IAW Lycoming O-360-A4M gasket and safety wireu both.

1)76/80, 2)76/80, 3)76/80, 4)76/80 psi. Magneto timing checked – Good at 25°, spark plug leads tested - Good.

Run up check performed and leak checked – Good: NDN. All work completed IAW Lycoming O-360-A4M MM and

I certify that this engine has been inspected IAW 14CFR43 Appx D for 100HR Inspection, has been found airworthy and is returned to service. All applicable AD's noted to have been complied with at this time.





ENGINE MAINTENANCE RECORDS

Log No. 3

Aircraft Registration No. N90874
Engine Manufacturer Lycoming
Model <u>0-360- A4M</u>
Serial No. <u>L- 27647-36</u>
Serial No.
Date installed on aircraft
- L. (TDO) Hours
Time Between Overhauls (TBO) Hours
If used on multi-engine aircraft:
☐ Right ☐ Left ☐ Rear
😿 Front 🗆 Rear



(All applicable information must be filled in)

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4.

N90874

TEXTRON Lycoming

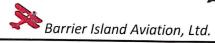
ENGINE LOG

SSP-1872-1

Ends 8-2-16

	burner island Aviation, Eta.
=	Aircraft N90874 8-2-16 Tach: 4881.8 Actt 4881.8
_	Engine m/n O-360-A4M Engine s/n 288315-R
	Engine Tso: 1644.4
	Complied with compression test (1)73, (2)73, (3)72, (4)71. Drained oil, removed oil filter, cut open old
	filter—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8qts of Aeroshell 15W-50
_	oil. Cleaned gapped and tested spark plugs. Checked mag timing and adjusted to 25 degrees BTDC.
_	Ground run good. I certify this engine has been inspected IAW ANNUAL inspection as per FAR 43 APP D
	and Piper INSPECTION CHECK IST and was determined to be in airworthy condition and is returned to
	service.
-	Andy Rosman 3524208 IA W
_	NII .

11-4:-- 1 -44---



Aircraft N90874 7-23-15 Tach: 4777.0 Actt 4777.0 Engine m/n O-360-A4M Engine s/n 288315-R Engine Tso: 1539.6

Complied with compression test (1)68, (2)74, (3)73, (4)76. Drained oil, removed oil filter, cut open old filter—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8qts of Aeroshell 15W-50 oil. Installed the following new parts, starter ring gear p/n 72566, Alternator Belt p/n 73965-015.

Cleaned gapped and tested spark plugs. Checked mag timing and adjusted to 25 degrees BTDC. Ground run good. I certify this engine has been inspected IAW ANNUAL inspection as per FAR 43 APP D and Piper INSPECTION CHECKLIST And was determined to be in airworthy condition and is returned to

D 11-4'-- 1 -44---

service. Andy Rosman 3524208 IA



Aircraft N90874 Date 3-14-16 Tach 4831.8 Drained oil, removed old filter & cut open—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8

quarts of Aeroshell 15W-50. Grand run good. Andy Rosman 3524208 A&P



Aircraft N90874

Date 5-31-16 Tach 4865.8 Drained oil, removed old filter & cut/ppen—no metal found. Installed new oil filter p/n CH48110-1 & serviced with quarts of Aeroshell 15W-50. Ground rum good.

Andy Rosman 3524208 A&P

Burrier Islana Aviation, Ltd.		— Barrier Island Aviation, I
Aircraft N90874 5-21-14 Tach: 4685.1 Act Engine m/n O-360-A4M Engine s/n 2 Engine Tso: 1447.7 Complied with compression test (1)73, (2)55, (3)72, cylinder purchased from Aerodyne Corp w/o#20352 installed all new gaskets Drained oil, removed oil file new oil filter p/n CH48110-1 & serviced with 8gts of	(4)74.Removed #2 cylinder and installed serviceable 1.Replaced ring set with new SL-3601SC ring set and lter, cut open old filter—no metal found. Installed	Aircraft N90874 Date 08-12-14 Engine m/n O-360-A4M Drained oil, removed old filter & cut of quarts of Aeroshell 15W-50. Andy Rosman 3524208 A&P
tested spark plugs. Checked mag timing. Ground rur ANNUAL inspection as per FAR 43 APP D and Piper II airworthy condition and is returned to sewice. Andy Rosman 3524208 IA	n good I certify this engine has been increased IANA	Aircraft N90874 Date 10-20-14 Drained oil, removed old filter & cut ope quarts of Aeroshell 15W-50. Ground run Andy Rosman 3524208 A&P
Page Total Brought Forward	All Repair Data Must Bear the Endorsement of a	
Total to Date	Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	

N90874 Date 08-12-1/4 ≟ m/n O-360-A4M Engine s/n 288315-R red oil, removed old filter & cut/open—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8 y Rosman 3524208 A&P



Date 10-20-14, Tach 4758.4 Guarte of Association of the serviced with 8 of Association of the serviced with 8 1 uarts of Aeroshell 15W-50. Ground run good. andy Rosman 3524208 A&P



Barrier Island Aviation, Ltd.

Aircraft N90874

Date 10-04-12 Tach 4562.3

Engine m/n O-360-A4M

Engine s/n 288315-R

Drained oil, removed old filter & cut open—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8 guarts of Aeroshell 15W-50.

Leak check good.

Andy Rosman 3524208 A&P

Barrier Island Aviation, Ltd.

Actt 4608.1 Aircraft N90874 5-16-13 Tach: 4608.1

Engine m/n O-360-A4M

Andy Rosman 3524208 IA

Engine s/n 288315-R

Engine Tso: 1370.7 Complied with compression test (1)75, (2)71, (3)72, (4)75. Drained oil, removed oil filter, cut open old filter—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8qts of Aeroshell 15W-50. Cleaned gapped and tested spark plugs. Checked mag timing.AD's 12-19-01 and 12-03-07 do not apply due to serial number and model number. I certify this engine has been inspected IAW ANNUAL inspection as per FAR 43 APP DA Piper INSPECTION CHECKLIST and was determined to be in airworthy condition and is returned to service



Aircraft N90874

Date 08-16-13 Tach 4641.8

Engine m/n O-360-A4M

Engine s/n 288315-R

Drained oil, removed old filter & cut pren-no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8

quarts of Aeroshell 15W-50.

Leak check good.

Andy Rosman 3524208 A&P

AVIATION



EPIX AVIATION, LLC 2802 Airport Drive, Suite Chesapeake, Virginia 23323 757-421-4973 EpixAviation com

N90874

Tach reads: 4671 3

EPIX *

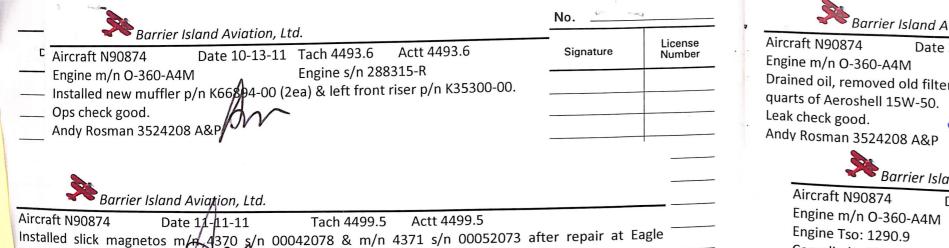
12-18-13

Drained oil. Removed and inspected filter. No defects noted. Installed new filter p/n 48110-2. Serviced engine with 8 qts of Phillips 20w50. Ground run and leak check OK.

Wayne C Newfon

Wayne Newton AP 3450425

Endorsement of a Rating and Shown.



All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and

Certificate Number MUST be Shown.

Magneto under w/o 1260 & 1259. Adjusted both mags to 25°BTDC. Ground ops check good.

Andy Rosman 3524208 A&P 🖊

Page Total

Total to Date

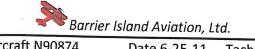
Brought Forward



Aircraft N90874 Date 3-19-12 Tach 4524.1 Actt 4524.1 Engine m/n O-360-A4M Engine s/n 288315-R Drained oil, removed old filter & cut open—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8 quarts of Aeroshell 15W-50. Leak check good.

Barrier Island Aviation, Ltd.

Aircraft N90874 Date 5-15-12 Tach: 4528.3 Actt 4528.3 Engine m/n O-360-A4M Engine s/n 288315-R Engine Tso: 1290.9 Complied with compression test (1)72, (2)74, (3)73, (4)74. Drained oil, removed oil filter, cut open old filter—no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8qts of Aeroshell 15W-50. Cleaned gapped and tested spark plugs. Checked mag timing. I certify this engine has been inspected IAW ANNUAL inspec**tion** as per FAR 43 APP D and Piper INSPECTION CHECKLIST and was determined to be in airworth and ition and is returned to service. Andy Rosman 3524208 IA



Aircraft N9087 Engine m/n O- Engine Tso 12	-360-A4M Engine s/r	288315-R	se	_
Andy Rosman	ine due to meta/in oil filter and shipp 3524208 IA	ped to Aerodyne Inc. for repair.		_
	Const			_
MODEL: O-360-A4M SN: L-27647-36A REG. NO: R/O: 19576	Aerodyne Corporation Repair Station No. HO1R-199K 5198 West Military Highway Chesapeake, VA 23321 USA Phone: (757) 488-2898	DATE: 7/1/2011 TT: 7341.5 TSO: 1233.4		-
Engine Entries				
contamination determined cylinders. All cylinders rings. Installed new exand nuts, new cranksh	checked 80/80 psig. Honed cylinder bores. Cleaned chaust studs in #1 cylinder. Reassembled engine with	nd inspected engine and components. Bench checked and inspected pistons and pins. Installed new piston new main and rod bearings, new connecting rod bolts of oil sump drain valve, new camshaft and lifter bodies and		 - A _ E
The article identified here performed and is approve	eon was inspected and repaired in accordance with current Fe ed for return to service.	ederal Aviation Regulations, was found to be airworthy for the work		S - 1
DATE: 7/1/2011	SIGNED: Affiniel	Repair Order: 19576	ıf a	- A
	J.R. Smith Certified Repair Station No. HO1R-199K	Printed by EBis 3 (datcomedia.com)		_



_	Barrier	Island Aviation,	Ltd.				
	Aircraft N90874	Date 7-12-11	Tach 4470.7	Actt 4470.8			
	Engine m/n O-360-A4	M	Engine s/n 28	88315-R			
_	Engine Tso 1233.4	Λ					
_	Installed engine after	r repair at Aerog	Inc.(repair	order #19576) ເ	using serviceable a	accessories th	nat
_	were previously rem	ioved, flusting of	il dooler, and	serviced with 9	qts of Aeroshell	100 mineral	oil
	.Ground run good	ויעו					011
_	Andy Rosman 35242	08 A&P	•				
-	S				,		
-	Barrier Is	land Aviation, Ltd	d.				
- 7	Aircraft N90874	Date 8-19-11	Tach 4481.1	Actt 4481.1			
_	Engine m/n O-360-A4M		Engine s/n 288	315-R			-
	Drained oil, removed ol	d filter & cut ope	en—no/metal fo	und. Installed ne	w oil filter p/n CH4	8110-1 &	
- :	serviced with 8 quarts o	of Aeroshell 15W	-50.				
-	Leak check good.		(X) (X)				_
-	Andy Rosman 3524208	A&P	A				
_							

N90874 4-6-10 Tach: 4354.9 Actt: 4354.9 Tso: 1117.5 Complied with compression test 1)74 2)73 3)75 4)74. Drained oil, removed oil filter, cut open old filter—	N90874 12-21-10 Tach 4417.4 Actt 4417.4 Tso 1180.0 — Installed overhauled vacuum pump p/n 215CC s/n I3263-17	ial No.	
no metal found. Installed new oil filter p/n CH48110-1 & serviced with 8qts of Aeroshell 15W-50. Cleaned gapped and tested spark plugs. Checked mag timing. Replaced all exhaust gaskets with 4 new 77611. I certify this engine has been inspected IAW ANNUAL inspection as per FAR 43 APP D and Piper Inspection Checklist and was determined to be in airworthy condition and returned to service. Andy Rosman 122489894 IA	after overhauled vacuum pamp pyracions after overhaul at Aero Accessories, Inc. w/o 2762. Ops check normal. Andy Rosman 3524208 A&P Barrier Island Aviation, Ltd.		License Number
BARRIER ISLAND AVIATION, Ltd. I I I N90874 6-11-10 Tach 4663.0 Actt 4663.0 Installed overhauled starter p/n 149-NL s/n FN-120508 after overhaul at Sky-tec Partners, Ltd. w/o 10030104. Ops check normal. Andy Rosman 122489894 A&P Barrier Island Aviation, Ltd. N90874 11-24-10 Tach 4413.5 Actt 4413.5 Tso 1176.1 Drained oil, removed filter & cut open old filter—no metal found. Installed new oil filter p/n CH48110-1 and serviced with 8 quarts of Aeroshell 15W-50.	Aircraft N90874 Date 5-5-11 Tach 4443.3 Actt 4443.3 Engine m/n O-360-A4M Engine s/n 288315-R Engine Tso 1205.9 Complied with compression test (1)72, (2)72, (3)70, (4)74. Removed and cut of small hair like steel particles found in filter-installed new CH48110-1 filter and check filter in 25 hrs. Serviced with 8 quarts of Aeroshell 15W-50. Checked mato 25BTDC Installed new spark plugs p/n REM38E (8ea). I certify this engine has ANNUAL inspection as per FAR 43 APP D and Piper INSPECTION CHECKLIST and	IAW with SL1492D will g timing & adjusted both	
Andy Rosman 3524208 A&P Barrier Island Aviation, Ltd. ———————————————————————————————————	airworthy condition and is returned to service. Andy Rosman 3524208 IA	and accommed to be It	1 —

Drained oil and removed oil filter. Added 8qts of Aeroshell 15W-50 and installed new CH48110-1 oil filter, cut open old filter and no metal found. Cleaned gapped and tested spark plugs, checked mag timing. Installed new BA-3 bracket air filter. CW compression test 1) 72 2) 69 3)70 4) 70. I Certify this engine has been inspected IAW ANNUAL inspection as per FAR 43 APP D and Piper Inspection Checklist and was determined to be in airworthy condition and returned to service. Andy Rosman 122489894 IA BARRIER ISLAND AVIATION, Ltd. N90874 5/13/08 ACTT: 4694.4 TACH: 4285.4 Drained oil and removed oil filter. Added 8qts of Aeroshell 15W-50 and installed new BA-3 air filter. C/W compression test to spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test to Spark plugs, checked mag	il
Page Total BARRIER ISLAND AVIATION, Ltd. Page Total Brought Forward Total to Date All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	

ENGINE LOG	Serial No	N90874 3/03/07 Actt 4141.6 Tach 4141.6	
Date HI BARRIER ISLAND AVIATION, Ltd. N90874 10-23-06 ACTT: 4102.5 TACH: 4102.5 TSO	License Number	open old filter –no metal found Andy Rosman 122480904 A&P Barrier Island Aviation Ltd	oshell 15W50 and installed new CH48110-1 oil filter .Cut
Drained oil and removed oil filter. Added 8qts of Aerosi installed new CH48110-1 oil filter, cut open old filter an Cleaned gapped and tested spark plugs, checked mag tim compression test 1) 75 2) 74 3) 75 4) 74. I certify this er inspected IAW ANNUAL inspection as per FAR 43 API Inspection Checklist and was determined to be in airwork returned to service. Andy Rosman A22489894 IA	hell 15W-50 and d no metal found. hing- CW agine has been	N90874 08/20/07 Actt 4210 4 Tach 4210 4	shell 15W50 and installed new CH48110-1 oil filter .Cut
Total to Date Certificate Number	r MUST be Shown.	Page Total Brought Forward Total to Date	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

		ENGINE L	OG	Serial No.	
Date	Time Hrs Min	REPAIRS - ADJUSTMENTS - SERVICE -	REMARKS	Signature	License Number
	oi an fi B	90874 date 4-15-06 tach 4 ql,removed filter, added 8 ql dinstalled new CH48110-1 oil lter no metal found.leak check god ARRIER ISLAND AVIATION L ndy Rosman 122489894 A&P	ts Aeroshell 15-50 filter.Cut open old od.		
		Page Total Brought Forward Total to Date	All Repair Data Must B Certificated Mechanic, Certificate Number MU	ear the Endorsement of a and his Rating and ST be Shown.	3

ENGINE LOG

			ENGINE L	.OG	Serial No.		
Date	Date Time						
P)	Hrs	Min	REPAIRS - ADJUSTMENTS - SERVICE -	REMARKS	Signature	License Number	
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	-		prano of remove 6	Replaced			
	-		Ch 48110 Eillin	8081			
	+		of pruy up good	el o			
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Serial No.

Date	Time		DEDAIDS AD HISTMENTS SERVICE S	75144 DICO	License			
	Hrs	Min	REPAIRS - ADJUSTMENTS - SERVICE - F	REMARKS	Signature Number			
			7/5/5 3916		11			
	ļ		DUZAINED ENGINE OIL - RE.	MUVED BAD	K			
			INSPECTED FILTER -OK-					
			INSTA /les CH48/10-1 RIC	TER				
			INSTALLED CH48110-1 FILL	ot - PANILLE				
			AND OHEUFED OK	X JIG UIJ -		 		
					 			
						 		
			Page Total	All Paneis Day 14	<u> </u>			
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			Total to Date	Certificate Number MUST	be Shown.			

ENGINE LO	OG
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REPAIRS - ADJUSTMENTS - SERVICE - REMARKS

Time

Date

Serial No. License Number Signature

,	i i	!	2 11 -		Number
	30	100	9-16-05 Opained cit, Space with 8 gts Appostell 500 oil Filter grd Ran ops 10	riced Engine	
	34	69,0	with 8 ats Appostellen.	7 7 1	
			1500	erocit, Replaced	
			311 FILTER GRO RAN MS /	eak ck	
			ncemal.		
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			Melverne loule		
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			A		
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		ENGINE LOG	Serial No.				ENGINE L	OG Se	rial No.	
Date	Time Hrs Min	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number	Date	Time Hrs Min	REPAIRS - ADJUSTMENTS - SERVICE - I	REMARKS	Signature	License Number
		TACH/HOBBS ESMOH 10/7/2004 3832.3 594.9 Eng Entry Performed annual inspection on this engine in accordang apped all spark plugs cleaned all air and fuel filters. Checked magnession check as follows: 1- 75/80, 2- 75/80, 3- 75 with Gates 9330. Checked and serviced all fluid levels, Checked MFG SB's to date. Checked applicable AD's in accordance with Lycoming service manual and standard return this engine to service in airworthy condition. Reservice in a condition. Reservice in a condition of the condition of t	Changed oil and filter. Serviced with 8 quarts neto points and timing. Performed 5/80, 4- 76/80. Replaced alternator drive belt lubricated controls and washed aircraft. for compliance to date. Performed all work dard practice as listed in FAR part 43 to	·		N Number 90874 Date 1/26/200 Log Entry Drained with P/N aircraft, Dillon's	TACH/HOBBS	Refer to WO# M00278 on	file at	a

Serial No.

D-4-	Tir	ne					License
Date	Hrs	Min	REPAIRS - ADJUSTME	NTS - SERVICE	- REMARKS	Signature	Number
	\downarrow Da	te	TACH/HOBBS	ESMOH	ETT		
				414.9	6523.0		
	En	g Entry					
	an 8 c Pe se co sta R	d gapp quarts a rforme rviced a mpliand andard efer to	ed all spark plugs cleaned al Aeroshell 15w50 oil and CH4 d compression check as folk all fluid levels, lubricated con ce to date. Performed all wo practice as listed in FAR par WO# M00056.	ll air and fuel filt 8110 filter. Che bws: 1- 77/80, 2 trols and washe ork in accordanc	ance with FAR 43 appendix D. Cers. Changed oil and filter. Servicked magneto points and timing 76/80, 3- 78/80, 4- 78/80. Checked aircraft. Checked SB's and AE e with Lycoming service manual is engine to service in airworthy of	cked and O's for	
-	A8	&P 2394	182895 IA				
		_					1
	and gapp 8 quarts A Performe serviced a compliant standard Refer to Ron D. D		Page Total Brought Forward		All Repair Data Must Bea Certificated Mechanic, an	r the Endorsement of	 a

ENGINE LOG

	Tim	ne	ENGINE L		Serial No.	
Date	Hrs Min		REPAIRS - ADJUSTMENTS - SERVICE -	REMARKS	Signature	License Numbe
12/16/3			TACH 3715, 6 HOR	BS 4127,5	2/	111111111111111111111111111111111111111
			OK CHANGE	01149116		
			8 gts AEROShell +	CH48110 F-11	700	
5/1/4			TACH 3770.1 HUBO	5 4/8/.9	M	
/			al CHANSE			
			Syumas Aeroshel	1+CH48110.F	Hex	
						<u> </u>
		\Box	Page Total	All Repair Data Must Re	ear the Endorsement of a	
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		ENGINE LOG	Serial No.						
Date	 me	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License			ENGINE LOG	Serial No.	
1/17/3	Min	1 -		Number	Date	me Min	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
		13538.3 /43944.8 OIL CHANGE 8965 AFFOSHELL + Filter CH48110 BILLION AUGATIO	- 41		8/3/3		T3642.1 H 4055.0		
		SEE AIRCRAFT LOG	32(VOTE ASSET 11 15-50		
							8875 Acroshell 15-50 1 CH 48/10		
THE PARTY									
				-					
				 					
		Page Total All Repair Data Must B Brought Forward Certificated Mechanic, Total to Date Certificate Number Must	ear the Endorsement of a and his Rating and ST be Shown.	1			Page Takel		

ENGINE LO

Serial No. 427647-36A.

				00	11d1 140	
Date	Tii Hrs	me Min	REPAIRS - ADJUSTMENTS - SERVICE - I	REMARKS	Signature	License Number
10/5/01			TACH . 183.Z SMOH . 62	91.3 ENGINETO	TRI TIME.	
TI615 TT	ME		ATE PERFORMED AN			IPRESSIO
TEST.(1)	16/8)75/80(3)77/80(4)75/80.	BLEANED, GAPI	ED, TESTED	1 BOTATO
SPARK PL	065	. C	HECKED MAG TIMINU	SELEADS, NO	DEFECTS	NOTED
CHANGE		116	A FILTER, CUTSINS,	PECTED FILTE	C. NO DEF	ECTS
NOTEO.	56	ELU	ICED ENGINE WITT	1 AEROSHELL O	USO BROW	SWDAL
LEAK CI	1.6	CO,	D ALLENGINE INDI	CATTONS WI	7+112111	1175
ICERTIF	f Th	71	THISENGINE WAS IN	ISPECTED IN	ACCORDA	NEWI
AN ANNU	AL,	110	SPECITION AND IS APPR	OVED FOR RET	VENTOS	ELVICE
			mBaley AAPA6405	534/IA FOR TE	CHO AVIBI	70N.
			Page Total Brought Forward	All Repair Data Must Bear t	he Endorsement of a	
			Total to Date	Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		

FNGINF LOG

Serial No.

				ENGINE	LUG	36	eriai No	1
Date	Time		Time				Signature	License Numbe
	Hrs	Min	REPAIRS - AD.	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS				
			D	TACHIHODDS	ESMOH	ETT		
			Date	TACH/HOBBS	ESMOII			
		+	10/17/2002	3507.3	269.9	6378.0		
	-	_						
			Eng Entry				II. D. Clooned and	. –
		\top	Performed annu	ual inspection on this e	engine in accorda	ance with FAR 43 ap	pendix D. Cleaned and	ts _
	+-	+-					er. Serviced with 8 quarence formed compression of a light levels. Intricated	
			as follows: 1- 74	4/80, 2- 76/80, 3-74/80), 4- 76/80. Ched	cked and serviced al	I fluid levels, lubricated a 4 hottom spark plugs	D/N
		+	REM 38E Chec	cked SB's and AD's fo	or compliance to	date. Performed all to	work in accordance with return this engine to s	ervic
	+-	_	Lycoming service	ce manual and standa idition. Refer to WO#	rd practice as its	FAA CRS.		
			The state of the s		1314 011 1110 11110			_
		_	Stuart D. Dillon		tion, Inc.			_
	+-	+	CRS #YJ4R676					
		1 1						•
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ENGINE LOG Serial No							ENGINE LO) G Se	rial No	*		
	ate	Time Hrs Mi			Signature	License Number	Date	Time	SERVICE - RI	EMARKS	Signature	License Number
CUTA	INS	PEC	TEDFILTER, NO DEI	EECTS WERE N	DTED. 50	RVICEO	QUE!	Hrs Min		WITED CITAIN	SP FILTER.	NO DEFEC
ENGIN	IE	W17	HAEROSHELL 100	W - GROUND	Drun, C	EAK	9115100	3310	TACH CHANGED OIL &F	AFPOSHELL	100W 6	ROUNDRU
CHEC	CK	600	DO, ALL ENGINE IN	DICATIONS	WITHIN		NOTED	SEEL	TACH CHANGED OIL &F VICED ENGINE WITH	MERCEIVE		-
ICE	RTI	FY 7	HAT THIS ENGINE	E WAS INSP	ECTED I	N	LEAK	CHEC	C 600D,	DORRILL FORTE	CH AVIATIO	W.
ACCO	RDA	9NC	E WITTO AN ANNU	BL INSPECT	70N AN	015	3	×	Modeley ASP3640 Tach Changel oil & F,	ille Could Th	sp Filter	No no Sec
APPA	300	IED	FOR RETURN TO SE	SEVICE.			# 26/61 Notes	3366,2	Tach Changed oil I F,	el all 8610	4CH4811	o Filder
			maley Agrable				100	1.01	ed Engine with Flere	A SHEIT		
			ECR 10	ECH AVIATION	<i>U</i> ,		Gro	and R	on Leak Check Goods - P	D # 1803 419"	8	
									Gary P. Woods - 1	1 160) 11	3	
	\dashv		-			4						
	$+$ \perp		Page Total Brought Forward	All Repair Data Must Bear to Certificated Mechanic, and	the Endorsement of a	1				All Repair Data Must Bear	the Endorsement of	9
			Total to Date	Certificated Mechanic, and Certificate Number MUST b	e Shown.				Page Total	Certificated Mechanic, and Certificate Number MUST I	his Rating and	-
									Brought Forward	Certificate Number Woot		

Total to Date

	-	ENGINE LOG	Serial No. <u>L-27647-36A</u>			ENGINE LOG	Seri	al No.	
Date	Time Hrs Min	REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature License Number	Date	Time	DEMARKS		Signature	License Number
OVERHAL TIBIS EN INSTRU	IL. REV ICITOL	YTACH. 6108,1 TOTAL ENGINE TIME MOVED ENGINE SW. L. 31152-36A IAW ALL APPLICABLE LYCOI IS AND PIPEL PA-28-181 MAIN	MING SERVICE ST. MAINUAL, GROUND	DEFEC	15 110	CHANGED OIL & FILTER. COT &	3.0		
RUN AC	LENG	HECK GOOD. BOJUSTED IDLE SINE INDICATIONS WITH IN LIN TH AEROSHELL IOOW MINELAL MM Galey ASP 364035341 FOR TECH AVIATION.	OIL BITTOIS TIME.	CAMO	3360 RESS10	THIS TIME & DATE PERFORMED ON TEST & (1) TB/80(3) T8/80(3)	18/80(4)	NNUAL. L 18/80. CLE REPLBC MOCTIN	NSPECTION PNED. SD 1
\equiv		Page Total Brought Forward Total to Date All Repair Data Must E Certificated Mechanic, Certificate Number MU	Bear the Endorsement of a	LEAL	5, NC	DEEPCIS WELL	Mary Door f	the Endorsement of a his Rating and hie Shown.	1

TEXTRON Lycoming

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

This engine has been overhauled/rebuilt in accordance with the applicable Textron Lycoming manuals. All applicable Federal Aviation Administration Airworthiness Directives and Textron Lycoming Service Bulletins have been complied with. All parts have been inspected and have been determined airworthy to return to service. All accessories as part of the type certificate are either new or newly overhauled. Refer to enclosed Form ET001 for applicable accessory part numbers and serial numbers.

TLRED-489 (Rev. 10-96)

Authorized Signature Mannemann O-360-A4M Engine Model: Textron Lycoming Serial #: L-27647-36A 652 Oliver Street **Total Time:** 6108.1 Williamsport, PA 17701 Work Order #: 125126 Repair Station: EJ1R115K Date Completed:

ENGINE DESCRIPTION

EN	NGINE DESCRIPTION	
	Place Williamsport, P.	A 17701 Date
Mfgr. TEXTRON LYCOMING		Serial No.
Туре	Model	Weight (Dry)
Rated H.P.	Max. H.P.	Oil Pressure
Rated R.P.M.	Max. R.P.M.	Displacement Cu. Ir
Bore	Stroke	Displacement
Compression Ratio	Supercharger Ratio	
Reduction Gear Ratio		Hub Serial No.
Propeller	Hub Design	Blade Serial No.
Blade Design	Blade Serial No.	
Max. Hub H.P.	Max. Blade H.P.	Length
Pitch	Diameter	rengai
Name		
Address		

. to x *

TEXTRON Lycoming

652 Oliver Street Williamsport, PA 17701 U.S.A. 570/323-6181

ENGINE SERIAL NUMBER 4 - 3 7 6 4 7 - 3 6 9

IN SERVICE DATE 0 7 / 7 0 0 ENG. 6 / 0 8

DETACH AND RETAIN THIS PORTION FOR YOUR RECORD



652 Oliver Street Williamsport, PA 17701 U.S.A. 570/323-6181

ENGINE LOG AND MAINTENANCE RECORD

	· · · · · · · · · · · · · · · · · · ·	0-360-A4M	L-27647-36A.
RECORD OF TEXTRON	LYCOMING MAKE	MODEL	SERIAL
FROM _7/17/2000		19 TO	19
DETAILING TIME FROM	3237.4	HOURS	HOURS
SCD 4070 4	o 1004 by Texti	ron Lycoming "All Rights Reserved"	October 1994