

N90874

STARTED 07/24



AIRCRAFT ENGINE
LOGBOOK

O-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
dipstick loose: retightened and safetied. Oil filter cut, inspected (NDN), with new AA48110-2 installed.
Oil drained and resvcd w 7 qts 100AW. Exhaust bolts by heat exchanger severely corroded: cut bolts off,
installed new AN5-4, NAS1149, AN363. 4 spark plugs require replacement: RR w new UREM38E.

YEAR:

DATE



Matthew Hood AP3267745

Dated: Nov 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.



Matthew Hood AP3267745

Dated: Nov 15th, 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 Repair Facility.
DATE				
				Make: Lycoming Eng Model: O-360-A4M SN: L-27647-36A Aircraft: N90874 TACH: 5230.3 HM: 164.4 Complied With Annual inspection: Engine was removed and sent for overhaul at Tropic Airpower due to Prop Strike. Overhaul completed under Work Order #1784 with Form FAA 337 provided for overhauled engine- Log Entry for overhaul provides Description and completion of work. Engine reinstalled using new engine mounts and new hardware. Engine serviced with 7 qts of Type M 20W-50 Mineral oil as per Lycoming Engine overhaul operations. Engine ops check – Run up and Leak checks performed- Good; NDN. All work completed IAW LYCOMING IO-360-A4M MM and IPC Engine mounts: QTY-2 PN: 94011-2 QTY-2 PN: J9613-72 Bolts: QTY-2 PN: AN7-44A QTY-2 PN: AN7-43A Nuts: QTY-4 PN: MS20365-720C Washers: QTY-4 PN: AN960-716. I certify that this engine has been inspected IAW 14CFR43 Appx D for Annual inspection/ New engine installation, 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 AP3348610IA  Dated: June 17 th , 2024.
NOTES:				

YEAR:	T F	DATE	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). Oil dipstick loose: retightened and safetied. Oil filter cut, inspected (NDN), with new AA48110-2 installed. Oil drained and resvcd w 7 qts 100AW.	Repair
DATE					
			 Cody Haynes AP3348610  Dated: Aug 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.		
			 Cody Haynes AP3348610  Dated: Aug 15 th , 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 27 th , 2024.		
NOTES:					

Engine Record					
Manufacturer	LYCOMING		Model	O-360-A4M	
Aircraft the engine is installed on	N 90874		Type Certificate		
Serial	L-27647-36A				
Minimum Octane Fuel			Oil Grade	XC25W-60	
Point Setting			Firing Order	1-3-2-4	Winter: Summer:
Manufacturer recommended overhaul at			hours	Spark Plug Gap	0.016-0.018
Additional Information					
NOTES:					

YEAR:	TODAY'S FLIGHT	RECORDING TACH TIME	TOTAL TIME IN SERVICE	Description of Maintenance
DATE				The entries must include Name, Certificate Number and Rating of the Technician or Repair 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. *Mark Young*

THE
adlogTM

AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

N90874

Log# 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 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 9-26-18 Tach: 4985.8 Actt 4985.8
 Engine m/n O-360-A4M 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 3524208 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 is returned to service.
 Andy Rosman 3524208 IA

SUB-TOTALS this page

TOTALS—Carry forward to next page

Barrier Island Aviation, Ltd.

Aircraft N90874 12-10-2020 Tach: 5056.5 Actt 5056.5
 Engine m/n O-360-A4M Engine s/n 288315-R
 Engine Tso: 1819.2

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.
 Andy Rosman 3524208 IA



02/28/2023

N90874

Tach: 5092.1

Tso 1857.7

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. Aero 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 belt AD 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.

C.A. Buterbaugh

AP 3640875

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

All 4 Rocker box covers leaking: RR with new rocker box cover gaskets PN: 75906 and torqued. Alternator belt loose; Complied with alternator belt tension adjustment and re safety wired bolt. All work completed IAW Lycoming O-360-A4M MM.

I certify that this engine has been inspected IAW 14CFR43 Appx D, 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 AP3348610IA

Dated: September 22nd, 2023

Make: Lycoming Eng Model: O-360-A4M SN: L-27647-36A Aircraft: N90874 TACH: 5176.1 HM: 93.1
 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, removed sump screen and inspected. Replaced oil filter with new AA48110-2, re installed sump screen with new crush gasket and safety wired both. New Brackett filter element PN: BA3 installed. Engine cylinder 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. Run up check performed and leak checked – Good: NDN. All work completed IAW Lycoming O-360-A4M MM and IPC.

I certify that this engine has been inspected IAW 14CFR43 Appx D for 100HR 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 AP3348610IA

Dated: November

ENGINE MAINTENANCE RECORDS

Log No. 3

Aircraft Registration No. N90874

Engine Manufacturer Lycoming

Model O-360-A4M

Serial No. L-27647-36A

Date installed on aircraft _____

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

☐ Right

☐ Left

☒ Front

☐ Rear



(All applicable information must be filled in)

AEROTECH PUBLICATIONS INC.

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N 90874

TEXTRON Lycoming

ENGINE LOG

SSP-1872-1

Log #2
Ends 8-2-16



Barrier Island Aviation, Ltd.

- = 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 CHECKLIST and was determined to be in airworthy condition and is returned to
- service.
- Andy Rosman 3524208 IA



Barrier Island Aviation, Ltd.

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 service.

Andy Rosman 3524208 IA



Barrier Island Aviation, Ltd.

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. Ground run good.

Andy Rosman 3524208 A&P



Barrier Island Aviation, Ltd.

Aircraft N90874 Date 5-31-16 Tach 4865.8

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

Andy Rosman 3524208 A&P

Aircraft N90874 5-21-14 Tach: 4685.1 Actt 4685.1

Engine m/n O-360-A4M

Engine s/n 288315-R

Engine Tso: 1447.7

Complied with compression test (1)73, (2)55, (3)72, (4)74. Removed #2 cylinder and installed serviceable cylinder purchased from Aerodyne Corp w/o#20351. Replaced ring set with new SL-3601SC ring set and installed all new gaskets. 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 100 mineral oil. Cleaned gapped and tested spark plugs. Checked mag timing. 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

Page Total

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Total to Date

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

Aircraft N90874 Date 08-12-14

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.
Andy Rosman 3524208 A&P



Aircraft N90874 Date 10-20-14 Tach 4758.4

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 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
 quarts of Aeroshell 15W-50.
 Leak check good.
 Andy Rosman 3524208 A&P



Barrier Island Aviation, Ltd.

Aircraft N90874 5-16-13 Tach: 4608.1 Actt 4608.1
 Engine m/n O-360-A4M 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 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 08-16-13 Tach 4641.8
 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.
 Andy Rosman 3524208 A&P



EPIX AVIATION, LLC
 2802 Airport Drive, Suite 1
 Chesapeake, Virginia 23323
 757-421-4973
 EpixAviation.com

N90874

Tach reads: 4671.3 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 Newton AP 3450425

Endorsement of a
 Rating and
 Shown.



Barrier Island Aviation, Ltd.

Aircraft N90874 Date 10-13-11 Tach 4493.6 Actt 4493.6
 Engine m/n O-360-A4M Engine s/n 288315-R
 Installed new muffler p/n K66894-00 (2ea) & left front riser p/n K35300-00.
 Ops check good.
 Andy Rosman 3524208 A&P

No. _____

Signature

License
Number

Barrier Island Aviation, Ltd.

Aircraft N90874 Date 11-11-11 Tach 4499.5 Actt 4499.5
 Installed slick magnetos m/n 4370 s/n 00042078 & m/n 4371 s/n 00052073 after repair at Eagle
 Magneto under w/o 1260 & 1259. Adjusted both mags to 25° BTDC. Ground ops check good.
 Andy Rosman 3524208 A&P

Page Total

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Total to Date

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



Barrier Island Aviation, Ltd.

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.
 Andy Rosman 3524208 A&P



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 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

Aircraft N90874 Date 6-25-11 Tach 4470.7 Actt 4470.8

Engine m/n O-360-A4M

Engine s/n 288315-R

Engine Tso 1233.4

Removed engine due to metal in oil filter and shipped to Aerodyne Inc. for repair.

Andy Rosman 3524208 IA

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

(1) Disassembled Lycoming engine O-360-A4M, s/n: L-27647-36A due to customer report of metal contamination. Metal contamination determined to be from camshaft and lifter bodies. Cleaned and inspected engine and components. Bench checked cylinders. All cylinders checked 80/80 psig. Honed cylinder bores. Cleaned and inspected pistons and pins. Installed new piston rings. Installed new exhaust studs in #1 cylinder. Reassembled engine with new main and rod bearings, new connecting rod bolts and nuts, new crankshaft gear bolt with locking tab, new rocker shafts, new oil sump drain valve, new camshaft and lifter bodies and new gasket set. No accessories were installed at this inspection and repair.

The article identified hereon was inspected and repaired in accordance with current Federal Aviation Regulations, was found to be airworthy for the work performed and is approved for return to service.

DATE: 7/1/2011

SIGNED:

J.R. Smith

Certified Repair Station No. HO1R-199K

Repair Order: 19576

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if a

Aircraft N90874 Date 7-12-11 Tach 4470.7 Actt 4470.8

Engine m/n O-360-A4M

Engine s/n 288315-R

Engine Tso 1233.4

Installed engine after repair at Aerodyne Inc. (repair order #19576) using serviceable accessories that were previously removed, flushed oil cooler, and serviced with 9 qts of Aeroshell 100 mineral oil.

.Ground run good
Andy Rosman 3524208 A&P

Aircraft N90874 Date 8-19-11 Tach 4481.1 Actt 4481.1

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.

Andy Rosman 3524208 A&P

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—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

BARRIER ISLAND AVIATION, Ltd.

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.

Andy Rosman 3524208 A&P

Barrier Island Aviation, Ltd.

N90874 12-21-10 Tach 4417.4 Actt 4417.4 Tso 1180.0

Installed overhauled vacuum pump p/n 215CC s/n I3263-17

after overhaul at Aero Accessories, Inc. w/o 2762. Ops check normal.

Andy Rosman 3524208 A&P

Barrier Island Aviation, Ltd.

ial No. _____

Signature

License
Number



Barrier Island Aviation, Ltd.

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 open old oil filter. Very small hair like steel particles found in filter-installed new CH48110-1 filter and IAW with SL1492D will check filter in 25 hrs. Serviced with 8 quarts of Aeroshell 15W-50. Checked mag timing & adjusted both to 25BTDC Installed new spark plugs p/n REM38E (8ea). 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

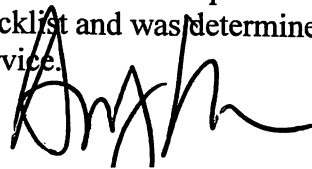
N90874 12/08/07 ACTT: 4239.9 TACH: 4239.9 TSO: 1002.5

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.

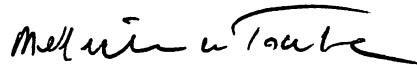


N90874 5/13/08 ACTT: 4694.4 TACH: 4285.4

Drained oil and removed oil filter. Added 8qts of Aeroshell 15W-50 and installed new CH48110-1 oil filter, cut open old filter and no metal found. Washed engine, ground ran, leak check normal.

Melville W. Towle 2641462 A&P

BARRIER ISLAND AVIATION, Ltd.



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ber

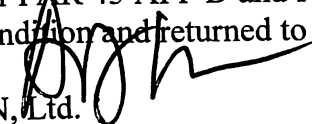
a

N90874 2-12-09 Tach: 4322.3 TSO: 1084.9

Drained oil and removed oil filter. Added 8qts of Aeroshell 15W-50 and installed new CH48110-1 oil filter, cut open old filter—no metal found. Cleaned gapped and tested spark plugs, checked mag timing. Installed new BA-3 air filter. C/W compression test 1) 72 2) 72 3) 70 4) 71. Tightened Alternator belt. Installed new alternator P/N 4111810 S/N G050069. Replaced #2 cylinder gasket & tightened #4 gasket. Tightened #1 Cylinder oil return line. Installed new cabin heat ceet tubing. 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.

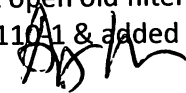


N90874 9-29-09 Tach 4324.0 Actt 4324.0 Tso 1086.6

Drained oil, removed filter & cut open old filter—no metal found.

Installed new oil filter p/n CH48110-1 & added 8 qts of Aeroshell 15W-15.

Andy Rosman 122489894 A&P



Page Total

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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.

Date

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BARRIER ISLAND AVIATION, Ltd.

N90874 10-23-06 ACTT: 4102.5 TACH: 4102.5 TSO: 865.1

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- CW compression test 1) 75 2) 74 3) 75 4) 74. 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

Total to Date

Certificate Number MUST be Shown.

License Number

of a

N90874 3/03/07 Actt 4141.6 Tach 4141.6

Drained oil ,removed filter added 8 qts aeroshell 15W50 and installed new CH48110-1 oil filter .Cut open old filter -no metal found

Andy Rosman 122480904 A&P

Barrier Island Aviation Ltd

N90874 08/20/07 Actt 4210.4 Tach 4210.4

Drained oil ,removed filter added 8 qts aeroshell 15W50 and installed new CH48110-1 oil filter .Cut open old filter -no metal found

Andy Rosman 122480904 A&P

Barrier Island Aviation Ltd

Page Total

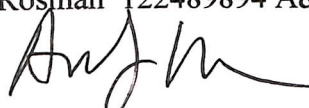
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All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

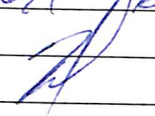
ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
			N 90874 date 4-15-06 tach 4024.4 \ Drained oil, removed filter, added 8 qts Aeroshell 15-50 and installed new CH48110-1 oil filter. Cut open old filter no metal found. leak check good. BARRIER ISLAND AVIATION LTD Andy Rosman 122489894 A&P 		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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Total to Date					

ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
6/27/6			4064.3 drain oil remove & replace Ch 98110 Filter 8 qts oil run up good 		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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Total to Date					

ENGINE LOG

Serial No.

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
			7/5/5 3916 DRAINED ENGINE OIL - REMOVED AND INSPECTED FILTER - OK - INSTALLED CH48110-1 FILTER 8 qts OF AERASITEL 40WT - RAN UP AND CHECKED OK		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG

Serial No.

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Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
			<i>Date</i> <i>TACH/HOBBS</i> <i>ESMOH</i> <i>ETT</i> 10/7/2004 3832.3 594.9 6703.0 <i>Eng Entry</i> Performed annual inspection on this engine in accordance with FAR 43 appendix D. Cleaned and gapped all spark plugs cleaned all air and fuel filters. Changed oil and filter. Serviced with 8 quarts Aeroshell 15w50 and CH48110-1 filter. Checked magneto points and timing. Performed compression check as follows: 1- 75/80, 2- 75/80, 3- 75/80, 4- 76/80. Replaced alternator drive belt with Gates 9330. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Checked MFG SB's to date. Checked applicable AD's for compliance to date. Performed all work in accordance with Lycoming service manual and standard practice as listed in FAR part 43 to return this engine to service in airworthy condition. Refer to WO# M00239 on file at Dillon's Aviation.  Ron Dillon A&P 239482895 IA		
			Brought Forward		
			Total to Date		

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

Serial No. _____

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ENGINE LOG

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
			<i>Date</i> <i>TACH/HOBBS</i> <i>ESMOH</i> <i>ETT</i> 10/3/2003 3652.3 414.9 6523.0 <i>Eng Entry</i> Performed annual inspection on this engine in accordance with FAR 43 appendix D. Cleaned and gapped all spark plugs cleaned all air and fuel filters. Changed oil and filter. Serviced with 8 quarts Aeroshell 15w50 oil and CH48110 filter. Checked magneto points and timing. Performed compression check as follows: 1- 77/80, 2- 76/80, 3- 78/80, 4- 78/80. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Checked SB's and AD's for compliance to date. Performed all work in accordance with Lycoming service manual and standard practice as listed in FAR part 43 to return this engine to service in airworthy condition. Refer to WO# M00056. <i>Ron D. Dillon</i> Ron D. Dillon A&P 239482895 IA		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
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Total to Date					

ENGINE LOG

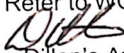
Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
12/14/83			TACH 3715.6 HOBBS 4127.5 OIL CHANGE 8 qts Aeroshell + CH48110 Filter		
5/7/84			TACH 3720.1 HOBBS 4181.9 OIL CHANGE 8 quarts Aeroshell + CH48110 Filter		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

Serial No. 227647-36A.

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
05/01	34	20.6	TACH. 183.2 SMOH. 6291.3 ENGINE TOTAL TIME.		
BIS TIME & DATE PERFORMED AN ANNUAL INSPECTION. COMPRESSION					
TEST. (1) 76/80 (2) 75/80 (3) 77/80 (4) 75/80. CLEANED, GAPPED, TESTED & ROTATED					
ARK PLUGS. CHECKED MAG TIMING & LEADS, NO DEFECTS NOTED.					
CHANGED OIL & FILTER. CUT & INSPECTED FILTER. NO DEFECTS					
NOTED. SERVICED ENGINE WITH AEROSHELL W80 GROUND RUN					
EAK CK. GOOD ALL ENGINE INDICATIONS WITHIN LIMITS.					
CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH					
ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE.					
M. Haley AEP26402534/IA FOR TECH AVIATION.					
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

Serial No. _____

Date	Time		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	Signature	License Number
	Hrs	Min			
			<i>Date</i> <i>TACH/HOBBS</i> <i>ESMOH</i> <i>ETT</i> 10/17/2002 3507.3 269.9 6378.0 <i>Eng Entry</i> Performed annual inspection on this engine in accordance with FAR 43 appendix D. Cleaned and gapped all spark plugs cleaned all air and fuel filters. Changed oil and filter. Serviced with 8 quarts Aeroshell 80W and 48110 filter. Checked magneto points and timing. Performed compression check as follows: 1- 74/80, 2- 76/80, 3-74/80, 4- 76/80. Checked and serviced all fluid levels, lubricated controls and washed aircraft. Replaced Bracket air filter P/N BA-3. Replace 4 bottom spark plugs P/N REM 38E Checked SB's and AD's for compliance to date. Performed all work in accordance with Lycoming service manual and standard practice as listed in FAR part 43 to return this engine to service in airworthy condition. Refer to WO# 7374 on file this FAA CRS.  For  Dillon's Aviation, Inc. CRS #YJ4R676M		
			Page Total		
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All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

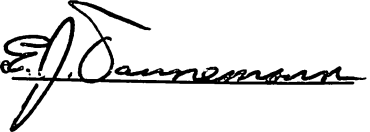
TEXTRON Lycoming

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

TLRED-489
(Rev. 10-96)

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.

Engine Model: O-360-A4M
Serial #: L-27647-36A
Total Time: 6108.1
Work Order #: 125126
Date Completed: 6/28/00

Authorized Signature: 
Textron Lycoming
652 Oliver Street
Williamsport, PA 17701
Repair Station: EJ1R115K

ENGINE DESCRIPTION

Mfr.	TEXTRON LYCOMING	Place	Williamsport, PA 17701	Date	
Type		Model		Serial No.	
Rated H.P.		Max. H.P.		Weight (Dry)	
Rated R.P.M.		Max. R.P.M.		Oil Pressure	
Bore		Stroke		Displacement	Cu. In.
Compression Ratio		Supercharger Ratio			
Reduction Gear Ratio		Hub Design		Hub Serial No.	
Propeller		Blade Serial No.		Blade Serial No.	
Blade Design		Max. Blade H.P.			
Max. Hub H.P.		Diameter		Length	
Pitch					
Name					
Address					

TEXTRON Lycoming

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

ENGINE SERIAL NUMBER L-27647-36A

IN SERVICE DATE 071700 ENG. 6108
T.T.

DETACH AND RETAIN THIS PORTION FOR YOUR RECORD

TEXTRON Lycoming

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

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF TEXTRON LYCOMING 0-360-A4M L-27647-36A.
MAKE MODEL SERIAL
FROM 7/17/2000 19 TO 19
DETAILING TIME FROM 3237.4 TO
HOURS HOURS

October 1994