



ENGINE LOG

Engine Record General Information

Manufacturer LYCOMING Model O-360-A4M

Serial L-31073-36A Type Certificate

This engine is currently installed in aircraft: N250TT N813CT

Minimum Octane Fuel _____ Oil Grade Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

AirMart.com

AIRCRAFT SALES & BROKERAGE

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)				

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits by Zephyr Aircraft Engines, Inc. Engine disassembled, cleaned, and inspected in accordance with manufacturer's instructions. All steel parts magnafluxed. Reassembled in accordance with manufacturer's current overhaul manual. Engine test run. All applicable Airworthiness Directives are in compliance. See A.D. list supplied. A description of these repairs is on file at this agency under:

W.O. No. 23231

MFG. LYCOMING

Serial No. L-31073-36A

DATED 9/3/03

MODEL O-360-A4M

Time in svc. 3053.2

TACH 822

(813) 788-3305 • Fax (813) 788-4412
39320 Avenue B • Zephyrhills, FL 33542

CD Cooper

Authorized Signature

ZEPHYR
Aircraft
ENGINES^{INC.}

F.A.A. APPROVED REPAIR STATION #VI4R597M

ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL 32803
LOG ID# 0382 10-December-2003
N25017 S/N 28-8590080 PIPER PA28-181 TACH 868.2

Pg 1/1

ENGINE: MODEL NO. O-360-A4M S/N L-31073-36A SMOH: 46.2 TEL: 3099.4

COMPRESSION: 1) 76/80, 2) 77.80, 3) 76/80, 4) 77/80. CHANGED OIL AND FILTER. CLEANED SUCTION SCREEN. SERVICED WITH 8 QT'S. PHILLIPS XC20W50 OIL. CLEANED, GAPPED, AND ROTATED SPARK PLUGS. CHECKED TIMING.

I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HR/ANNUAL INSPECTION, AND WAS APPROVED FOR RETURN TO SERVICE.

Michael Cooper 12-10-03

AP 261192470 IA MICHAEL D. COOPER Date

3/8/04 Tach 918.4 Drained oil changed filter. Filled with 8qt's of Phillips XC 20W50 ran engine no leaks noted. - Michael Cooper 820130072

7/2/04 Tach 988.8 Drained oil and changed filter. OIL SAMPLE TAKEN FOR ANALYSIS. FILLED WITH 8 QT'S. AEROSHELL 100W. COMPRESSION: 1) 78/80, 2) 78/80, 3) 79/80, 4) 78/80. CLEANED AND GAPPED SPARK PLUGS. RAN ENGINE NO LEAKS NOTED.

7/20/04 Tach 1025 334730

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
8/12/04		Tach 1037.8		<p>Drained oil. Changed filter Filled with 8qts of Phillips XTC 20-50 (Compression 1) $79/80$ (2) $78/80$ (3) $79/80$ (4) $78/80$ Cleanned & gapped rotated Spark plugs Ran engine. No leaks noted. oil temp 55°c</p>

PREMIERE AVIATION
GROUP, LLC

900 Mitchell Field Road
Bessemer, AL 35022

REGISTRATION: N25017
TACH: 1038.0

MODEL/SERIAL: PA28-181 / 8590080

Performed compression check as follows: #1-73/80, #2-75/80, #3-70/80,
#4-72/80.

Changed oil and filter, serviced with Aeroshell 15W50.

Ground run showed no leaks.

All above work was performed in accordance with current FAR regulations and pertinent manuals. I
certify that this engine has been inspected in accordance with an annual inspection and has been
determined to be in an airworthy condition.

SIGNATURE *K.W. Williams*
Kevin W. Williams

IA # 420067612

DATE 12/21/2004

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5/23/05	1090.4			<p>Drained oil. Replaced oil filter w/new Champion CH4810-1 filter - Torqued & seated. Added 8qts Phillips X/c 20W50 oil. Compression ck: #1 = $79/80$ #2 = $77/80$ #3 = $78/80$ #4 = $77/80$ Cleanned, gapped, tested, rotated, reinstalled & torqued all spark plugs Adjusted alternator belt tension. Lubed controls & checked operation. Oil drain sample taken & sent for analysis. Runup ck good - no leaks noted. Edwards Refed AAF 79460730</p>
9/13/05	TACH 1145.2			<p>Drained oil and CHANGED OIL. OIL SAMPLE TAKEN FOR ANALYSIS. FILLED WITH 8 QTS PHILLIPS X/c 20-50. COMPRESSION: 1) $78/80$, 2) $78/80$, 3) $78/80$, 4) $75/80$. CLEANED AND CHECKED GAP ON SPARK PLUGS. RAN ENGINE, NO LEAKS NOTED.</p> <p><i>Edwards Refed AAF 3038109</i></p>

ORLANDO AIRCRAFT SERVICES 601 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL
LOG ID# 4610 24-January-2006
N25017 S/N 28-8590080 PIPER PA28-181 TACH 1182.1

Pg 1 / 1

ENGINE: MODEL NO. 0-360-A4M S/N L-31073-36A

TOTAL TIME: 3413.3

DRAINED OIL AND CHANGED FILTER. OIL SAMPLE TAKEN FOR ANALYSIS. CLEANED SUCTION OIL SCREEN. FILLED WITH 8 QTS. PHILLIPS XC20-50 OIL. CLEANED AND GAPPED SPARK PLUGS. COMPRESSION: 1) 78/80, 2) 78/80, 3) 78/80, 4) 75/80. WASHED AND RAN ENGINE - NO LEAKS NOTED.

I CERTIFY THAT THIS ENGINE WAS INSPECTED I.A.W. A 100 HR/ANNUAL INSPECTION, AND WAS APPROVED FOR RETURN TO SERVICE.

A&P 3038109 IA MICHAEL EVERHART

Date

ns
.)

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

MID ISLAND AIR SERVICE

LI MACARTHUR AIRPORT

Ronkonkoma, New York 11779

Phone: (631) 588-5400

A/C Reg. No. N813CT

Tach Time 1236

A/C Serial No 28-8590080

Date: 09-07-06

Ground-ran aircraft removed engine cowlings drained engine oil removed filter cut open and inspected-satisfactory. Installed new CH48110-1 filter torqued and saftied serviced engine with 7 qts of oil. Washed engine lubed controls reinstalled cowlings performed ground-run operational leak checks-satisfactory.

Auth. Signature: Jh Certificate# A&P3059347

YEAR 1-26-07 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)				
Routine Annual Inspection accomplished Compression check-1) 76/80 2) 71/80 3) 75/80 Oil and filter changed Spark plugs: cleaned, gapped and rotated Carburetor air filter replaced A New upgraded engine AID list was created The following AIDs need to be addressed AID 99-26-05 Purulator air filter. -DNA has bracket type AID 2006-20-09 Engines and crankshaft as listed -DNA by engine model. AID 2006-10-01 Engines with ECI P/N: AEL11750 connecting rods if under S/N: 5416 -Per Zephyr engine original flycoming C/S installed @ overhaul under WO# 23231. AID 2006-12-07 ECI parallel valve cylinders P/N: AEL65103 only cyl S/N: 1-9879. -DNA has flycoming cylinders				

YEAR 1-26-07 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)				
Re-occurring Engine AID's are as follows AID 95-26-13 Oil cooler hoses inspection due @ 100 hours. Replacement due @ 1,000 hours T.I.S or eight years - Per paragraph (A) complied with inspection. Found okay. Per paragraph (B) replacement complied with last 1-24-06 @ TIA/C 36414.4. Due next 1-24-2014, or TIA/C 46414.4 AID 2004-10-14 Crank gears inspection due @ overhaul, prop strike or sudden stop. - Noted The following corrective actions were taken AFT carburetor air box shaft grommet is half missing from age. - Installed new grommet. Carburetor air box flapper valve rear attach screw is loose - tightened Toward oil cooler line is loose - Tightened line and washed oil cooler leak checked on run-up, okay Right AFT top baffle seal is falling off - Resealed as needed.				

YEAR 1-26-07	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
<p>Alternator belt is slipping, to loose on mount. Retensioned</p> <p>Forward muffler tail pipe has one inch cut allowing</p> <p>exhaust to enter the cabin, due to the shroud was misaligned</p> <p>and cut through the exhaust. - Muffler assembly removed from</p> <p>engine. Pipe welded and muffler installed.</p> <p>#3 cylinder spark plug ceramic is cracked. - Replaced</p> <p>spark plug with new.</p> <p>Carburetor heat induction hose is torn with holes - installed</p> <p>Piper new induction ^{base} assembly.</p> <p>TTA/C-3122</p> <p>TACH 1263</p> <p>SMOH 441</p> <p>TTEng 3494</p> <p>PropT 537</p> <p>I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH AN <u>Annual</u> INSPECTION AND DETERMINED TO BE IN AN AIRWORTHY CONDITION.</p> <p><u>John</u></p> <p>TA # 2134465</p> <p>A & P AIRCRAFT MAINT. INC. MACARTHUR AIRPORT RONKONKOMA, N.Y. 11779 631-588-7771</p>				

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				9/19/07 Piper PA28-181 S/N8590080 M#813CT C-360-A4M S/N L-31073-36A Tach Time 1302 hrs
				Changed engine oil, clean main oil screen, 8qts. 15W-50 Aeroshell Performed leak check, engine run for return to service Work performed for Interstate Aviation Inc. Plainville, CT. 06062
				Signed <u>KT</u> <u>JK</u> Kurt Tomolonius 41649355 I.A.
9/19/08	N813CT TACH 1303.0 TTE3534.0 S# L-31073-36A COMP CHECK #1 75 #2 74 #3 72 #4 74 CHANGED OIL AND FILTER, SERVICED WITH 8 QUARTS 15W50 AEROSHELL, PRESSURE CHECKED MUFFLERS, CLEANED AND GAPPED SPARK PLUGS, REPLACED MAG BASE GASKETS AND SET TIMING, CLEANED CARB SCREEN AND REPLACED GASKET CHECKED AD AND UPDATED WORK PERFORMED FOR INTERSTATE AVIATION 62 JOHNSON AVE. PLAINVILLE CT 06062	3-7-08 TSMOH 481.0 0360-A4M		
	I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN FOUND AIRWORTHY	JOSEPH A BURDZY III AP107500411A		
				<u>JB</u>

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)			

6/1/08

N813CT

TACH 1362.4
HOBBS 4106.9

OIL & FILTER CHANGE. ADDED
7 QTS PHILLIPS 20W50 AND TEMPEST
48110 FILTER.

Ch. Faun. AP2792477

7/3/08

N813CT TACH 1422.5
HOBBS 4162.1

CHANGED OIL & FILTER. ADDED 7 QTS PHILLIPS
20W50 AND CH48110-1 FILTER. CUT OPEN OLD FILTER-
NO METAL FOUND

ADJUSTED IDLE SPEED AND MIXTURE. (GROUND)

RAN ENGINE. NO LEAKS

Ch. Faun. AP2792477

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)			

CUMBERLAND AVIATION

8/5/08

ENGINE LOG

T 1473.6
H 4208.7

PA 28-181

S/N 28-859080

N 813 CT

CHANGED ENGINE OIL & FILTER.
REPLACED FILTER WITH TEMPEST FILTER,
P/N AA48110. SERVICED ENGINE WITH 7 QTS.
PHILLIPS 20W50. NO LEAKS NOTED.
AIRCRAFT RETURNED TO SERVICE.

APLW AP 3125724

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

05/01/09 Engine S/N L-18194-36AC. Tach Time 1527.2. Total Time SMOH 705.2. Drained oil and added 9 qts Aeroshell 15/50. Inspected old oil filter for metal particles, none found. Installed new Champion 48110 oil filter. Replaced induction air filter (P/N BA3). Cleaned spark plugs P/N REM40E. Compression checked #1 75/80, #2 72/80, #3 72/80, #4 75/80 (cold). Degreased engine. Test ran and leak checked OK. Checked AD's through this date. Inspected engine in accordance with FAR 43 appendix D. I certify that this engine and propeller has been inspected in accordance with an Annual inspection and have been determined to be in airworthy condition.

Steve Manley

A&P 3053755 IA

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
DATE				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

N8316M

Lycoming O-360-A4M S/N L-31073-36A

06-09-2010 Tach 1542.8, TTE 2873.8. TSMOH 720.8

This Engine was "0" Timed by CRS TZ3R885L on 12-09-1991 @ TT 1128.0

Last major overhaul by CRSV14R597M 09-03-2003 @ A/C TT 3281.0

This Engine was inspected in accordance with a 100 hour inspection, Piper PA-28-181 Maintenance Manual, P/N 761 679, Chapter 5-00-00 thru 5-51-00 and FAR Part 43 Appendix D, in Scope and Detail of Items applicable to this Particular Engine. The cylinder compression was checked with the following results: #1, 77/80. #3, 79/80. #2, 79/80 #4, 78/80 psi. The oil and filter was changed and serviced with 8 quarts of AeroShell W-100 and a new CH48110-1 filter. All spark plugs were replaced with new REM 38E plugs and installed with new gaskets. The ignition timing was re-set to 25* btde in accordance with type certificate data sheet no. e-286. The engine was ground-run and inspected for performance criteria and any fluid leaks. All Airworthiness Directives, new and recurring, and Component inspection and certification requirements were complied with and recorded as indicated in an attached report. This Engine was found to be in an airworthy condition and returned to service.

Russell Martin
A&P 2798096 IA

Russell Martin

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
--------------	---------------------------	-------------------	-----------------------------	---

8/23/2010 Tach: 1576.2 Act: 4084.6 Mnh: 754.2
Removed carburetor for overhaul by Lyle W.O. #
36223 Reinstalled & Leak checked carburetor &
injection good. J.W.D. 543740169 AP.
6-02011 OLD TAC REMOVED HAD 1588.1 HOURS
TOTAL TIME ON MOTOR SINCE MOTH 776.1
USED TAC INSTALLED WITH 3359.9 HRS
ON TACH

July 13 2011 Tach 3359.9
I Certify That This Engine has Been Inspected
In accordance with Annual Inspection and
was determined to be in airworthy
Condition Tom Hooper IA 1639846

Changed oil & filter - checked compression - All
cylinders 80/80 - Tested heat myth for
leaks none found - Inspected & lubed all
engine controls for good operation. Performed

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
--------------	---------------------------	-------------------	-----------------------------	---

Test & cleaning/Capping on all spark
plugs - checked Engine/magneto
Timing. Oil pump to oil cooler
Hose AD 95-26-13 C/w By Inspection
Tested Ignition cables for Voltage leaks
(OK) found All Exhaust Gaskets tight
and sealed No leaks -

YEAR 2012 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
Oct 2 2012	2012	Tack	3380	SMOH 778.1 I Certify That This Engine Has Been Inspected I AW Annual Inspection and was determined to be in Airworthy Condition Prop 1A 1639846 changed oil Aeroshell 15W50, Replaced oil filter, tested cylinder compression as follows #1-75 #2-78 #3-74 #4-76 cleaned & tested spark plugs, checked engine magneto timing, checked all engine controls for proper operation and security, checked engine mount for security, Engine heat exchanger for leaks, AD 95-26-13 complied with by inspection, tested ignition cables for voltage leaks, checked exhaust system for leaks - None found

YEAR DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
6-20-13	4053.1	REPLACED ENGINE OIL FILTER. CUT OPEN FILTER. NO DEFECTS FOUND. RUN-UP AND LEAK CHECKED OK. <i>Leslie A. Lousa</i>		REPLACED ENGINE OIL FILTER. CUT OPEN FILTER. NO DEFECTS FOUND. RUN-UP AND LEAK CHECKED OK. <i>Leslie A. Lousa</i> REF 2055708.
6-27-13	4055.4	AD 2012-19-1 DATED 10-24-12 CRANKSHAFT RETIREMENT N/A By engine model number and crankshaft serial number. REMOVED & REPLACED PROP TO VERIFY CRANKSHAFT PART NUMBER LW17131 AND SERIAL NUMBER V13896. UPDATED AD LIST IN SEPARATE FOLDER. <i>Leslie A. Lousa</i> REF 2055708.		

N813CT

Lycoming O-360-A4M
Serial No. L-31073-36A



West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

8/1/2013
TACH: 4057.2
TTA: 4085.2
TSOH: 804.2

Engine Entry:

Performed 50 Hour Inspection of the engine using the Piper PA28-181 Maintenance Manual 50 hour checklist as a guide. Drained the oil and serviced the engine with 8 quarts Aeroshell 15W50 and CH48110-1 filter. Cut open old filter and inspected, no abnormal contaminates found. Inspected the engine controls. Inspected the intake and exhaust risers. Performed run up, leak, power and indication check, okay.

Kevin R. Pinger

Kevin R. Pinger A&P/LI 3236526

YEAR	N813CT	YEAR	11/8/2013
DATE	Lycoming O-360-A4M	DATE	TACH: 4083.3
	Serial No. L-31073-36A		TTA: 4111.3

West Valley Aircraft Services, LLC.
Embarcadero Rd. Hangar B. Palo Alto, CA 94303
Tel. (650) 565-0063

Engine Entry:

Performed **Annual Inspection** of the engine using the Piper PA28-181 Maintenance Manual 50 hour checklist as a guide. Drained the oil and serviced the engine with 8 quarts Aeroshell 15W50 and CH48110-1 filter. Cut open old filter and inspected, no abnormal contaminants found. Inspected the engine controls. Inspected the intake and exhaust risers. Inspected the gascolator. Inspected the carburetor finger screen, drained the bowl for 30 seconds, replaced gasket p/n 16A108 and safeted. Removed the sump screen, inspected, no metal contaminants, reinstalled with new gasket. Removed the spark plugs, cleaned and inspected, reinstalled with new gaskets p/n M674 (qty 8). Compressions: 1) 77/80 2) 74/80 3) 76/80 40 77/80. Inspected the alternator and starter mounting and connections. Lubricated the starter drive. Inspected the engine baffling. Inspected the induction air box and filter.

Performed **500 Hour Inspection** on the right magneto p/n 4370 s/n 03052150, and left magneto p/n 4371 s/n 03060546 in accordance with the Champion OH/MM L1363. Checked the coils, set the e-gaps, replaced the shaft seals p/n M3062 (qty 2), measured the impulse coupling on the left magneto, good, reassembled the magnetos, cleaned and painted the housings, tested, good. Reinstalled the magnetos with new gaskets, set the ignition timing, and torqued. Performed run up, leak, power and indication check, all parameters normal. I certify I have inspected this engine in accordance with an **Annual Inspection** and found it to be in an airworthy condition, this engine is returned to service.

11/8/2013
Kevin R. Pinger A&P L4 3236526

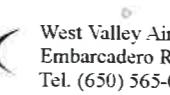
N813CT
Lycoming O-360-A4M
Serial No. L-31073-36A
11 Engine Entry:

West Valley Aircraft Services, Inc.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

5/7/2014
TACH: 4138.1
TTA: 4166.1
TSO: 885.1

YEAR
DATE

YEAR
DATE



Performed **50 Hour Inspection** of the engine using the Piper PA28-181 Maintenance Manual 50 hour checklist as a guide. Drained the oil and serviced the engine with 8 quarts Aeroshell 15W50 and CH48110-1 filter. Cut open old filter and removed the sump plug and inspected, no abnormal contaminates found. Reinstalled the sump plug with new gasket and torqued. Inspected the engine controls. Inspected the intake and exhaust risers. Performed run up, leak, power and indication check, okay.

11/8/2013
Kevin R. Pinger A&P L4 3236526

N813CT
Lycoming O-360-A4M
Serial No. L-31073-36A
11 Engine Entry:

West Valley Aircraft Services, Inc.
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

10/15/2014
TACH: 4167.9
TTA: 4195.9
TSOH: 914.9

Cleaned the spark plugs, adjusted idle mixture from 500 to 750RPM. Inspected the engine, inspected the engine controls, okay. Lubricated the starter drive. Serviced the engine with 2 quart W15W50 oil. Run up and operational check, good.

11/15/2014
Kevin R. Pinger A&P L4 3236526

YEAR	RECORDING	TON/HRS	TOTAL
—	N813CT	—	—
DAT	Lycoming O-360-A4M	—	—
	Serial No. L-31073-36A		

West Valley Aircraft Services, Inc.
Embarcadero Rd, Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

12/12/2014
TACH: 4180.8
TTA: 4208.8
TSO: 927.8

Engine Entry:

Performed **Annual Inspection** of the engine using the Piper PA28-181 Maintenance Manual 100 hour checklist as a guide. Drained the oil and serviced the engine with 8 quarts Aeroshell 15W50 and CH48110-1 filter. Cut open old filter and inspected, no abnormal contaminants found. Inspected the engine controls. Inspected the intake and exhaust risers. Inspected the gascolator. Inspected the carburetor finger screen, drained the bowl for 30 seconds, replaced gasket p/n 16A108 and safetied. Removed the sump screen, inspected, reinstalled with new gasket. Removed the spark plugs, cleaned and inspected, reinstalled with new gaskets p/n M674 (qty 8). Checked magneto to engine timing. Compressions: 1) 78 2) 76 3) 78 4) 77/80. Inspected the alternator and starter mounting and connections. Lubricated the starter drive. Inspected the engine baffling.

Inspected the headers. Checked torque on all fuel and oil lines and fittings. Inspected the induction air box and filter replaced filter p/n BA3. Performed run up, leak, power and indication check, all parameters normal. I certify I have inspected this engine in accordance with an **Annual Inspection** and found it to be in an airworthy condition. this engine is returned to service.

KR
Kevin R. Pinger A&P LA 3236526

ratios
(number of entries.)

YEAR
DATE

N813CT

Lycoming O-360-A4M
Serial No. L-31073-36A

West Valley Aircraft Services, Inc.
Embarcadero Rd, Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

5/8/2015
TACH: 4214.4
TTA: 4262.4
TSO: 981.4

Engine Entry:

Performed 50 Hour Inspection of the engine using the Piper PA28-181 Maintenance Manual 50 hour checklist as a guide. Drained the oil and serviced the engine with 8 quarts Aeroshell 15W50 and CH48110-1 filter. Inspected the engine controls. Inspected the alternator and starter mounting and connections. Checked the alternator belt tension. Inspected the fuel and oil lines and fittings. Inspected the intake and exhaust risers. Performed run up, leak, power and indication check, okay.

KR
Kevin R. Pinger A&P LA 3236526

N813CT

Lycoming O-360-A4M
Serial No. L-31073-36A

West Valley Aircraft Services, Inc.
Embarcadero Rd, Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

1/23/2016
TACH: 4291.2
TTA: 4319.2
TTE: 4091.4
TSO: 1038.2

Engine Entry:

Drained the oil and serviced the engine with 8 quarts Aeroshell 15W50 and CH48110-1 filter. Inspected the engine controls, Inspected the intake and exhaust risers. Inspected the gascolator. Inspected the carburetor finger screen, drained the bowl for 30 seconds, replaced gasket p/n 16A108 and safetied. Removed the sump screen, inspected, reinstalled with new gasket. Removed the spark plugs, cleaned and inspected, reinstalled/torqued with new gaskets p/n M674 (qty 8). Replaced magneto gaskets p/n LW12681 (qty. 2) and set magneto to engine timing. Compressions: 1) 74 2) 77 3) 75 4) 78/80. Lubricated the starter drive. Performed run up, power, indication, and leak check, all parameters appear normal. I certify I have inspected this engine in accordance with an **Annual Inspection** and determined it to be in airworthy condition.

KR
Kevin R. Pinger A&P LA 3236526

N813CT
Lycoming O-360-A4M
Serial No. L-31073-36A

AERO WORKS *dba*
Embarcadero Rd. Hangar B, Palo Alto, CA 94303
Tel. (650) 565-0063

3/23/2017
TACH: 4447.9
TTA: 4475.9
TTE: 4248.1
TSO: 1194.9

Engine Entry:

Drained the oil and serviced the engine with 8 quarts Aeroshell 15W50 and CH48110-1 filter.

Inspected the engine controls. Inspected the intake and exhaust risers. Inspected the gascolator.

Inspected the carburetor finger screen, drained the bowl for 30 seconds, replaced gasket p/n 16A108 and safetied. Removed the sump screen, inspected, reinstalled with new gasket. Removed the spark plugs, cleaned and inspected, reinstalled/torqued with new gaskets p/n M674 (qty 8). Checked magneto to engine timing. Compressions: 1) 73 2) 73 3) 75 4) 72/80. Lubricated the starter drive.

Performed run up, power, indication, leak check, and performed aircraft test flight, all parameters appear normal. I certify I have inspected this engine in accordance with an **Annual Inspection** and determined it to be in airworthy condition.

JKR
Kevin R. Pinger A&P IA 3236526

Alterations
(Enter Number of
specific entries.)

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)				

Date: 6/4/2018 #N813CT Tach: 4589.5

Performed cylinder leak down check as follows:
#1,77 #2,77 #3, 75 #4, 74 /80psi. Bore scoped cylinders all showed normal signs. Mags timing Okay. Changed oil and filter (Aero Shell 15-50 Champion 48110-1). Cleaned, gapped, tested, & rotated spark plug installed and torqued.

Operational checks performed no leaks Okay to return to service.

Steve Radcliffe 2735886 A&P IA

SR
Steve Radcliffe

ENGINE REG.# N813CT DATE 6/4/18
TOTAL ENGINE TIME 1308 5MOH HRS, TACH TIME 4589.5
I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AS PER FAR 43 APP. "D" AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION.

SR
Steve Radcliffe
SIGNATURE

2735886 A/P IA
CERTIFICATE NO./TYPE

1 August 1st, 2018, Piper PA28-181, N813CT, S/N 28-8590080
Tach - 4601.9 Airframe TTSN - 4629.9, Engine TSMOH - 1320.6.

Corrected Times from various Tach change addition errors from Log Book Entries below.

5/86 New "O" Time Tach installed @ 227.8TT

— 6/98 New "0" Time Tach installed @ 2231.2 Tach, 2459.0 TT

— 6/11 Used Tach w/3359.9 installed at 1588.1 Tach, 4047.1 TT

— 6/13 New Tach w/4053.0 installed at 3398.8 tach, 4081.0 TT

Engine overhauled 9/3/03 at Tach 822.0, 3359.9 TT

August 28th, 2018 Lycoming O-360-A4M, S/N L-31073-36A, Tach 4601.9. Remove and reinstall

both mags after 500hr. inspection performed by D&B Aircraft Engines, W/U#11403 & 11404

Replace all Sparkplugs with Champion REM38S Fine-wire plugs. Run engine, mag drop

acceptable. All work performed I/A/W Lycoming Service manuals as required.



Jarrett Watson AP2710425

iterations
number of
c entries.)

YEAR	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				

WILLIAMS AVIATION, LLC

7/15/2019 Tach:4613.50 Total Time on Airframe:4625.10
N813CT Make:Piper PA28-181 S/N:28-8590080

Complied with an Annual inspection. Reviewed all AD's through 2019-14 biweekly. AD17-14-04 PCW by installation of Type D hoses no longer applies. AD76-7-12 CW on engine shut down due again in 100hrs. C/W AD99-24-10 found valve upgraded to SVS-V C/W 12 month and 24 month inspections per 3.33 and post installation checks. C/W ELT ANNUAL PER FAR 91.207 (D) operational check. ELT battery due 6/2020. Pitot static due 8/2020.
Lubed and serviced airplane IAW lube and service chart. Removed all tires and repacked wheel bearings and replaced Nose wheel bearings and races P/N:13836-20629, 13889-20629, replaced LT main wheel P/N:40-85B. Removed and replaced RT brake pads and P/N:APS66-10500. Removed and replaced a 3-5-1 and 9-18-1 vacuum filter. Replaced BA10 airfilter. Removed Both mufflers and replaced with P/N:66894-03 from Dawley aviation. Did Operational Check and no discrepancies noted.

I Certify that this Aircraft and Prop has been inspected in accordance with an Annual inspection and was determined to be in an Airworthy Condition.  3549886 IA

END

Y
D

WILLIAMS

AVIATION, LLC

8/11/2020 Tach:4713.2 TSMOH:1431.9 Total time:4724.8
N813CT Make:Lycoming Model:0-360-A4M S/N:L-31073-36A

- Complied with an Annual inspection. Compression check as Follows #1 76/80 #2 76/80 #3 76/80 #4 76/80 Removed spark plugs and cleaned and gapped and installed using new compression gaskets. Checked timing and adjusted both mags to proper timing.
- Drained oil and changed filter and added 8 quarts of Phillips XC20W50. Reviewed all AD's thru 2020-15 revision.
- Did operational check and no defects noted.

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



3549886 IA

END

id
el

AirMart.com
AIRCRAFT SALES & BROKERAGE

WILLIAMS

AVIATION, LLC

8/11/2020 Tach:4713.2 TSMOH:1431.9 Total time:4724.8
N813CT Make:Lycoming Model:0-360-A4M S/N:L-31073-36A

- Compiled with an Annual inspection. Compression check as follows #1 76/80 #2 76/80 #3 76/80 #4 76/80 Removed spark plugs and cleaned and gapped and installed using new compression gaskets. Checked timing and adjusted both mags to proper timing.
- Drained oil and changed filter and added 8 quarts of Phillips XC20W50. Reviewed all AD's thru 2020-15 revision.
- Did operational check and no defects noted.

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



3549886 IA

END

Thoroughbred Aviation Maintenance, Inc.

Engine

Date: 12/14/2020
AC: N813CT
Hobbs: 566.3

Type: Piper PA-28-181
AC SN: 28-8590080
WO: 203316
Tach: 4748.5

1. Removed spark plugs and performed compression test. Compressions as follows 1-76 2-72 3-74 4-76. Installed plugs with new gaskets P/N: M-674. Torqued and secured leads.
2. Removed oil filter and cut open. No defects noted at this time. Installed new filter P/N: CH48110-1. Torqued and safetied. Ran aircraft after maintenance. Leak check and ops check good.

MAINTENANCE RELEASE
-----End-----

The aircraft and/or component identified was repaired in accordance with current FAA regulations and was found airworthy for return to service for the work performed. "Pertinent" details of the repair are on file at this agency under Work Order: 203316

Date: 12/14/2020 Signed: James Bailey



CRS: R814199Y

YEAR

IS

DATE

)

Municipal Airport, Bismarck, ND

Executive Air Taxi Corporation
(701) 258-5024
2301 University Dr. Bldg 48
Bismarck, ND 58504

—

Date: 3/09/2021; Aircraft: N813CT; Type: PA-28-181; S/N: 28-8590080; Hobbs: 584.00

Removed and replaced starter PN# MZ-4222 SN# A018061 with new unit PN# 149-NL SN# H-V041599 IAW Piper PA 28 MM 74-30-00.

This aircraft and/or component identified above was inspected and/or repaired IAW current FAR's and I certify it to be in an airworthy condition, and is approved for return to service, with respect to the work performed.

WO# 26129 Date 3/09/21 Signature Decker
Executive Air Taxi Corp. Maintenance Release - Repair Station CTYR019D

Executive Air
Taxi Corporation
Municipal Airport, Bismarck, ND

Executive Air Taxi Corporation
(701) 258-5024
2301 University Dr. Bldg 48
Bismarck, ND 58504

Date: 6/25/2021; Aircraft: N813CT; Type: PA-28-181; S/N: 28-8590080; Tach: 4775.30; Total Time: 4775.30

Drained old oil and changed filter PN# CH48110-1. Serviced with 8 wts Phillips 20w-50 engine oil. Runup and leak checks good. Cut open filter and inspected, no defects noted.

This aircraft and/or component identified above was inspected and/or repaired IAW current FAR's and I certify it to be in an airworthy condition, and is approved for return to service, with respect to the work performed.

WO# 26210 Date 6/25/21 Signature Decker
Executive Air Taxi Corp. Maintenance Release - Repair Station CTYR019D

YEAR



DATE

Municipal Airport, Bismarck, ND

Bismarck, ND 58504

Executive Air Taxi Corporation
(701) 258-5024

2301 University Dr. Bldg 48

ration
ber of
ntries)

Date: 9/01/2021; Aircraft: N813CT; Type: PA-28-181; S/N: 28-8590080; Tach: 4785.70; Total Time: 4797.30; Engine - Type: O-360-A4M, S/N: L-31073-36A, Time: 4797.30; Prop - Type: 76EM8S5-0-60, S/N: 35998K, Time: 3751.30

Completed engine 100 hour inspection IAW Lycoming O-360-A4M MM Section 4-4.
Compression Check : 1=78/80, #2=78/80, #3=79/80, #4=75/80

Replaced all 8 spark plugs with new PN# REM38E IAW Lycoming O-360-A4M MM Section 4-4. Ground run good.

This aircraft and/or component identified above was inspected and/or repaired IAW current FAR's and I certify it to be in an airworthy condition, and is approved for return to service, with respect to the work performed.

WO# 26257 Date 9/1/21 Signature Dee C. K.
Executive Air Taxi Corp. Maintenance Release - Repair Station CTRYR019D

e
ic

Central Planes

Sauk Centre, MN 56378

(320) 352-3073

Engine

Date: 08/18/2022 Reg. #: N813CT Tach: 4808.6 Total Time: 4820.2

Make: Lycoming Model: O-360-A4M S/N: L-31073-36A TSMOH: 1527.3

1. Removed engine due to metal contamination in oil filter and oil pressure drop and sent to Western Skyways for overhaul.

Thomas J Wenker 3136772IA

YEAR 2023	RECORDING TACH TIME	TODAY'S FLIGHT TIME	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
3/31/23	4808.6			Log book closed, See Western Skymen Log book opened 2/24/2023. Thursday