

AirMart
AIRCRAFT BROKERAGE



ENGINE LOG

ASA-SE-2

Engine Record General Information

Manufacturer LYCOMING Model O-360-A4M

Serial L-31073-36A Type Certificate _____

This engine is currently installed in aircraft: ~~N250TT~~ N 813 CT

Minimum Octane Fuel _____ Oil Grade Summer _____ Winter _____

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

AirVart.com
AIRCRAFT SALES & BROKERAGE

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.)
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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 DATED 9/3/03

MFG. LYCOMING MODEL O-360-A4M

Serial No. L-31073-36A Time in svc. 3053.2

ZEPHYR
Aircraft
ENGINES INC.

FA.A. APPROVED REPAIR STATION #VI4R597M

TACH 822
(813) 788-3305 • Fax (813) 788-4412
39320 Avenue B • Zephyrhills, FL 33542

[Signature]
Authorized Signature

YE DA	ORLANDO AIRCRAFT SERVICES 501 HUMPHRIES AVE. ORLANDO EXECUTIVE AIRPORT ORLANDO, FL 32803 LOG ID# 3382 10-December-2003 N25017 S/N 28-8590080 PIPER PA28-181 TACH 868.2 Pg 1/1	terations number of ic entries.)
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ENGINE: MODEL NO. O-360-A4M S/N L-31073-36A SMOH: 46.2 TT: 3099.4

COMPRESSION: 1) 76/80, 2) 77/80, 3) 76/80, 4) 77/80. CHANGED OIL AND FILTER. CLEANED SUCTION SCREEN. SERVICED WITH 5 QTS. PHILLIPS XCOW50 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.

[Signature] 12-10-03
AP 262192470 IA MICHAEL D. COOPER Date

3/8/04 Tach 918.4 Drained oil changed filter. Filled with 8915 of Phillips XCOW50 ran engine no leaks noted. *[Signature]* 820130072

7/2/04 TACH 988.8 DRAINED OIL AND CHANGED FILTER. OIL SAMPLE TAKEN FOR ANALYSIS. FILLED WITH 8 QTS. AEROSHALL 100W. COMPRESSION: 1) 78/80, 2) 78/80, 3) 79/80, 4) 78/80. CLEANED AND GAPPED SPARK PLUGS. RAN ENGINE NO LEAKS NOTED.

[Signature] AP 265334730

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		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 Cleaned gapped rotated Spark plugs Ran engine No leaks noted. <i>gullhead</i>

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 *Kevin Williams*
Kevin W. Williams

IA # 420067612

DATE 12/21/2004

YEAR 2005 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			Drained oil. Replaced oil filter w/new Champion CH48110-1 filter - Torqued & sealed. Added 8qts Phillips X/C 20W50 oil. Compression ck: #1 = 79/80 #2 = 77/80 #3 = 78/80 #4 = 77/80 Cleaned, 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. <i>Edwards</i> <i>Refuel</i> <i>APP 19460730</i>
9/13/05	TACH 1145.2			DRAINED OIL AND CHANGED OIL. OIL SAMPLE TAKEN FOR ANALYSIS. FILLED WITH 8 QTS PHILLIPS X/C 20-50. COMPRESSION 1) 76/80, 2) 78/80, 3) 78/80, 4) 75/80. CLEANED AND CHECKED GAPS ON SPARK PLUGS. RAN ENGINE, NO LEAKS NOTED. <i>APP 3038109</i>

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

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. <u>N813CT</u> Tach Time <u>1236</u> A/C Serial No <u>28-8590080</u> Date: <u>09-07-06</u>
				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: <u>[Signature]</u> Certificate# <u>A&P3059347</u>

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 4) 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 AID's need to be addressed
				AID 99-26-05 Purolator air filters. -DNA has bracket
				type
				AID 2006-20-09 Engines and crankshafts as listed -DNA
				by engine model.
				AID 2006-10-21 Engines with EC1 P/N: AEL11750 connecting
				rods if under S/N: 54/6 - Per Zephyr engine original Glycoing
				C/S installed @ overhaul under WO#: 23231.
				AID 2006-12-07 EC1 parallel valve cylinders P/N:
				AEL65102 only cyl S/N: 1-9879. -DNA has Glycoing
				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. on eight years - Per paragraph
				(A) complied with inspection. Found okay. Per paragraph (B)
				replacement complied with last 1-24-06 @ ITA/C 3641.4. Due
				next 1-24-2014, at ITA/C 4641.4
				AID 2004-10-14 Crankgear 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
				Forward 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 - Resecured as
				needed.

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1-26-07				Alternator belt is slipping, to loose on mount. Retensioned Forward muffler tail pipe has one inch cut allowing exhaust to enter the cabin, due to the shroud was misaligned and cut through the exhaust. - Muffler assembly removed from engine. Pipe welded and muffler installed. #3 cylinder spark plug ceramic is cracked. - Replaced spark plug with new. Carburetor heat induction hose is torn with holes - installed new induction assembly. ITA/C-3722 TACH-1263 SMOH-441 TEND-3494 Prop II-537
				<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><i>[Signature]</i></p> <p>TA # 2134/65 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.)
				<p>9/19/07 Piper PA28-181 S/N9590080 N#813CT C-360-A4M S/N L-31073-36A Tach Time 1302 hrs</p> <p>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</p> <p>Signed <i>[Signature]</i> Kurt Tomolonius 41649355 I.A.</p>
3-9-08				<p>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 I CERTIFY THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND HAS BEEN FOUND AIRWORTHY JOSEPH A BURDZY III AP1075004111A <i>[Signature]</i></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.)
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6/1/08 N813CT TACH 1362.4
HOBBS 4106.9

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

Ch. J. J. J. AP2792477

7/3/08 N813CT TACH 1422.5
HOBBS 4162.1

CHANGED OIL + FILTER. ADDED 7QTS PHILLIPS
20W50 AND CR48110-1 FILTER. CUT OPEN OLD FILTER -
NO METAL FOUND

ADJUSTED FDLE SPEED AND MIXTURE. (GROUND)
RAW ENGINE. NO LEAKS

Ch. J. J. J. AP2792477

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.)
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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.

Ch. J. J. J. AP 3125724

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.)
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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.

Stuart Manley A&P 3053755 IA

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.)
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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. c-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

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	ALT: 4034.6	SMON: 754.2	Removed CARBURETOR for overhaul by Lylon W.O. II 36223 Reinstalled & Leak checked OPERATIONAL Impresso good. JAWILLI 543740169 AP.
6-10-2011	OLD TAC	REMOVED	HAD 1588.1 HOURS	TOTAL TIME ON MOTOR SINCE MON 776.1 USED TAC INSTALLED WITH 3359.9 HRS ON TACK
July 13 2011	Tach 3359.9			I Certify That This Engine Has Been Insp In Accordance with Annual Inspection and was determined to Be in Airworthy Condition For Koper 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

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				Test & cleaning/Gapping 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		Tack 3380	SMOH 778.1 I Certify That This Engine Has Been Inspected ZAW Annual Inspection and was determined to be in Airworthy Condition. N813CT, ZA 1639846 changed oil Aeroshell 15/50, Replaced oil Filter, tested Cylinder Compression As Follows #1-78 #2-78 #3-74 #4-76 cleaned & tested spark plugs, checked Engine magneto Timing, checked All Engine Controls for good 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 Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
6-20-13	4053.1			Replaced Engine oil Filter. cut open Filter. No defects Found. Run-up and leak checked O.K. Leslie R. Louisa A&P 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 VERIFIED CRANKSHAFT PART NUMBER LW17131 AND SERIAL NUMBER V13896. UP DATED AD LIST in SEPARATE Folder. Leslie R. Louisa A&P 2055708.
				<p>N813CT Lycoming O-360-A4M Serial No. L-31073-36A</p> <p>West Valley Aircraft Services, LLC. Embarcadero Rd. Hangar B, Palo Alto, CA 94303 Tel. (650) 565-0063</p> <p>8/1/2013 TACH: 4057.2 TTA: 4085.2 TSOH: 804.2</p> <p>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 contaminants found. Inspected the engine controls. Inspected the intake and exhaust risers. Performed run up, leak, power and indication check. okay.</p> <p>Kevin R. Pinger A&P/LA 3236526</p>

YEAR
DATE

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

11/8/2013
TACH: 4083.3
TTA: 4111.3
TSO: 830.3

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tries.)

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 safetied. 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 4) 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.

Kevin R. Pinger A&P LA 3236526

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

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

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 removed the sump plug and inspected, no abnormal contaminants 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.

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

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

Engine Entry:

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.

Kevin R. Pinger A&P LA 3236526

YEAR RECORDING TORQUE TOTAL

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

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

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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: 4234.4
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.

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) 74 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.

Kevin R. Pinger A&P LA 3236526

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.

Kevin R. Pinger A&P LA 3236526

DATA

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

3/17/2016
TACH: 4311.9
TTA: 4339.9
TSO: 1058.9

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YEAR _____
DATE _____

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

Engine Entry:

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

6/24/2016
TACH: 4351.3
TTA: 4379.3
TSO: 1098.3

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.

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

3/18/2016
TACHE: 4313.4
TTA: 4341.4
TSO: 1060.4

Engine Entry:

Removed the left magneto, replaced the points p/n M3081, set the c-gap, checked the coil, good, cleaned the rotor and cap, installed the magneto with new gasket p/n LW12681, set timing and torqued in accordance with the Lycoming **Direct Drive** maintenance manual.

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

9/27/2016
TACH: 4433.3
TTA: 4461.3
TSO: 1180.3

Engine Entry:

Completed a **100 Hour Inspection** of the engine using the Piper PA28-181 maintenance manual 100 hour checklist as a guide. Compressions 1) 77 2) 76 3) 74 4) 75/80 psi. Removed the spark plugs, cleaned and inspected, replaced qty. 4 with new p/n REM38E reinstalled/torqued with new gaskets. Serviced the engine with 8 quarts Aeroshell 15W50 oil, and replaced oil filter p/n CH48110-1, cut open the old filter, no abnormal contaminants found. Lubricated the drive starter. Inspected the intake and exhaust risers. Inspected the fluid lines and fittings. Checked the magneto to engine timing, okay. Checked the engine controls and lubricated. Checked the sump screen. Performed engine idle, run up, leak, power and indication check, all indications normal.

Kevin R. Pinger A&P 3236526 LA

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
TIA: 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.

Kevin R. Pinger A&P IA 3236526

Alterations
ite Number of
pecific entries.)

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.)

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 oi 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

Steve Radcliffe

ENGINE REG.# N813CT DATE 6/4/18
TOTAL ENGINE TIME 1308 ^{5mon} 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.

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 "0" 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/O#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
 entries.)

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.)

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 RT main wheel P/N:40-86B. Removed and replaced RT brake pads 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



8/11/2020 Tach:4713.2 TSMOH:1431.9 Total time:4724.8
N813CT Make:Lycoming Model:O-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.

A handwritten signature in blue ink, appearing to read 'C. K. [unclear]', is written over the certification text.

3549886 IA

END

AirMart.com
AIRCRAFT SALES & BROKERAGE



8/11/2020 Tach:4713.2 TSMOH:1431.9 Total time:4724.8
N813CT Make:Lycoming Model:O-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 1A

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.

End

MAINTENANCE RELEASE

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



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

Municipal Airport, Bismarck, ND

YEAR
DATE

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.
Bled RH brake IAW Piper PA 28 MM 12-20-00.

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 3/9/21 Signature [Signature]
Executive Air Taxi Corp. Maintenance Release - Repair Station CTYR019D



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 [Signature]
Executive Air Taxi Corp. Maintenance Release - Repair Station CTYR019D

DATE _____

Municipal Airport, Bismarck, ND

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

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 9/11/21

Signature _____

Executive Air Taxi Corp. Maintenance Release - Repair Station CTRYR019D

Central Planes

Sauk Centre, MN 56378

(320) 352-3073

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 31367721A

[illegible]