

THE
adlogTM

AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N99872

Engine Manufacturer Lycoming

Model O-360-A4M

Serial No. L-33091-36A

Date installed on aircraft 5-28-99

Time Between Overhauls (TBO) 2000 Hours

If used on multi-engine aircraft:

☐ Right ☐ Left
☒ Front ☐ Rear



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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
<div style="border: 2px solid blue; padding: 10px;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">  <p>Air Plains Services Wellington Airport Wellington, KS 67152 CRS # MNYR085K</p> </div> <div style="width: 65%;"> <p>Work Order #: 9904038 N#: 99872 Tach: 3927.5 Date: 5-28-99</p> <p>Engine Installed newly overhauled Textron Lycoming O-360-A4M engine in aircraft N99872, SN: 17276521, IAW existing STC SA4428SW. Installed customer supplied alternator. Installed new light weight starter. Serviced and inspected the engine in accordance with an ANNUAL inspection. Performed AD list search on the engine and listed all applicable AD's for compliance. Serviced the engine with AeroShell 50 Wt. ND oil. Inspected oil screen/filter for metal contamination. Cleaned fuel and air filters. Engine ground run, operational checked ok. All replaced/repared/installed items run and leak/operational checked ok.</p> <p>*I certify that this Engine *has been inspected IAW an ANNUAL inspection and was *determined to be in airworthy condition. *Signed: <u>[Signature]</u> Certificate #: MNYR085K *W.O.# 9904038 and 9904041 Date: 05/28/99</p> <p>W.O. 9904038 and 9904041, N99872, 05/28/99</p> <p>This <u>Engine</u> was repaired and inspected in accordance with current regulations of the FAA and is approved for return to service.</p> <p>Signed <u>[Signature]</u> Inspector</p> </div> </div> </div>				
7-8-99	25.1	25.1	3952.9	Changed oil and Filter, Oil Samples Taken, Serviced with 89ts Aeroshell 50wt ND oil. Cleaned and Tested plugs. Washed RAN and checked for oil leaks. James P. O'Neill IA1942027
7-16-99				
7-26-99	46.4	46.4	3973.9	Changed oil and Filter, Inspected old Filter, oil sample Taken. Serviced with 89ts Aeroshell 50 wt ND oil. Washed RAN and checked for oil leaks. James P. O'Neill IA1942027
8-27-99	100.9	100.9	4028.4	Changed oil and Filter, Inspected old Filter, Oil Sample Taken. Cleaned gapped and Tested plugs. Checked mag Timing To engine. Lubricated controls. Replaced induction air Filter Washed RAN and checked for oil leaks I certify That This engine was inspected in
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<p>accordance with a Annual/100 Hour inspection and was Found To be in airworthy condition and That This engine meets its Type design. James P. O'Neill IA1942027</p> <p>1/21/00 4080.6 OIL CHANGE 40W - changed filter. Aeroshell - oil sample Taken. Plugs Rotated - signed off by G. Hughes on 2/10/01 - W.R.F.</p> <p>3-6-2000 Tach 4110.6 Replaced starter, supplied by CAP Rod and checked operation. James P. O'Neill IA1942027</p> <p>3-22-00 200.5 200.5 4128.0 Changed oil and Filter. Oil Sample Taken, Serviced with 89ts Aeroshell W-100 oil. Cleaned gapped and Tested plugs. Checked mag Timing To engine. Replaced induction air Filter Lubricated controls, Pressures checked exhaust system Cleaned Fuel Screen. RAN compression check. 1) 75/80 2) 75/80 3) 77/80 4) 76/80 Washed RAN and checked for oil leaks. I certify That This engine was inspected in accordance with a 100 Hour inspection and was Found To be in airworthy condition. James P. O'Neill IA1942027</p> <p>4-3-2000 Tach 4151.2 Installed serviceable starter and PM2401 SN 3501181 Checked operation. James P. O'Neill IA1942027</p>				
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TOTALS—Carry forward to next page				

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5-8-2000	417.7		417.7	Changed oil and Filter, Serviced with 8 qts Aeroshell W-100 Run and checked for oil leaks. James P. O'Neill IA1942027
8-22-2000	295.7	295.7	4223.2	
				8/22/2000 Tach 4223.2 Changed oil and filter. Serviced with 8 qts Aeroshell W100 oil. Checked mag timing to engine. Replaced induction air filter. Replaced full set of spark plugs. Cleaned fuel screen. Pressure checked exhaust. Lubed all engine controls. Ran compression check 1)76/80 2)76/80 3)77/80 4)76/80. Washed, ran and checked for oil leaks. I certify that this Aircraft Engine was inspected in accordance with a 100 Hour ANNUAL inspection and was found to be in airworthy condition. James P. O'Neill IA1942027
9-29-00	394.7		4322.2	Changed oil and Filter, Serviced with 8 qts Aeroshell W-100 oil. Washed Run and checked for oil leaks. James P. O'Neill IA1942027
2-02-01	394.7	394.7	4322.2	Changed oil and Filter, Serviced with 8 qts Aeroshell W-100 oil. Cleaned gapped and Tested plugs. Checked mag Timing to engine. Cleaned Fuel Screen. Pressure checked exhaust. Replaced induction air Filter. Ran compression check 1) 75/80 2) 75/80 3) 73/80 4) 78/80
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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				Washed Run and checked for oil leaks. AD 00-18-53 Oil Filter adapter plate NA model I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 Hour INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. James P. O'Neill IA1942027
5-4-01	444.7	444.7	4372.1	Changed oil and Filter, oil samples Taken, Serviced with 8 qts Aeroshell W-100 oil, Washed Run and checked for oil leaks. James P. O'Neill IA1942027
8-15-01	493.9	493.9	4421.4	Changed oil and Filter, oil samples Taken. Cleaned gapped and Tested plugs. Checked mag Timing to engine both mags 500 Hour inspection by D+B Aircraft engines. Replaced induction air Filter. Pressure checked exhaust system. Replaced rocker cover gaskets cyl 1, 3, 2, 4. Cleaned Fuel Screen. Ran compression check. 1) 78/80 2) 78/80 3) 75/80 4) 78/80 Washed Run and checked for oil leaks. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 Hour INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. James P. O'Neill IA1942027
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				TOTALS—Carry forward to next page

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11/15/01	Tach-4473.5			Changed oil and filter. Serviced w/8qts. Aeroshell w/100. Cut old filter and inspected for foreign material. Washed, ran and checked for leaks. 50 Hr Insp. Ryan P. O'Neill AP445629959
12-28-01	588.7	588.7	4516.2	Changed oil and Filter, Serviced with 8qts Aeroshell W-80 oil, Oil Sample Taken. Cleaned gapped and Tested plugs. Replaced crankshaft noise seal, Replaced Vane pump adapter gasket. Checked mag timing to engine. Replaced induction air filter, Lubed controls, Replaced carb heat bolt. Pressure checked muffler. Ran compression check 1) 75/80 2) 77/80 3) 77/80 4) 74/80 Cleaned Fuel screen. Washed ran and checked for oil leaks. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr/Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. Ryan P. O'Neill IN1842027
3/29/02	Tach-4560.5			Changed oil and filter. Took oil sample. Serviced w/8qts. Aeroshell w/100. Washed, ran and checked for oil leaks. Ryan P. O'Neill AP445629959IA
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				TOTALS—Carry forward to next page

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6-17-02	Tach-4608.7			Changed oil and filter. Took oil sample. Serviced w/8qts. Aeroshell w/100 oil. Ran compression check 1) 79/80 2) 77/80 3) 72/80 4) 78/80. Replaced full set of spark plugs. Checked mag timing to engine. Lubed all engine controls. Replaced induction air filter. Pressure checked exhaust. Cleaned fuel screen. Washed, ran and checked for oil leaks. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr/Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. TSOH-680.7 Ryan P. O'Neill AP445629959IA
8-26-02	Tach-4656.5			Changed oil and filter. Took oil sample. Serviced w/8qts. Aeroshell w/100 oil. Cut old filter and inspected for foreign material. Washed, ran and checked for leaks. Ryan P. O'Neill AP445629959IA
12/26/02	781.3	4708.8		Changed oil and Filter, oil sample Taken. Serviced with 8qts Aeroshell W-80 oil Cleaned gapped and Tested plugs. Replaced all rocker cover gaskets. Tightened all drain back tubes. Installed New muffler from Wall Colmanoy PN 80-00127B-3 SN IGR26-0008 Ran Compression check 1) 77/80 2) 76/80 3) 77/80 4) 76/80 Checked mag timing to engine Cleaned Fuel screen, Replaced induction air filter Washed ran and checked for oil leaks. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr/Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. Ryan P. O'Neill IN1842027
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				TOTALS—Carry forward to next page

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4/30/03	Tach 4765.6			Changed oil and Filter, Serviced with 84ts Aeroshell W-100, oil sample taken. Ran and checked operation. James P. O'Neill IN1942027
5/23/03	Tach 4771.7			Clean and Cap all Spark plugs. Removed Left Magneto, Check Coil, Condensor, Points, E-Gap was adjusted, Time to Engine. Post Runup - OK Magneto Drop 50 Left 50 Right - END Randy later ADP447888412
5-30-03	4772			Repair carb heat valve, install new valve. Installed new carb, ground new. adjust idle mixture and spring, END James P. O'Neill ADP45745082
8/22/03	981.5	981.5	489.0	Changed oil and Filter, Serviced with 84ts Aeroshell W-100 oil. Checked mag Timing to engine. Replaced all plugs. Pressures checked exhaust, hubal controls. Tightened oil filler tubes. Replaced rocker cover gasket #3 cylinder. Tightened oil return hoses. Ran compression check. 1) 78/80 2) 78/80 3) 76/80 4) 78/80 Washed run and checked for oil leaks. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. James P. O'Neill IN1942027
				SUB-TOTALS this page IN1942027
				TOTALS—Carry forward to next page

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				TOTALS brought forward from previous page
10-1-03			4856	Drain oil, cut inspect further, oh. Ground run, no leaks noted. END James P. O'Neill ADP45745082
2/13/04	Tach 4907.8	TSOH 990.30		Changed oil and Filter, oil sample taken. Serviced with 84ts Aeroshell W-80 oil. Cleaned gapped and tested plugs. Checked mag timing to engine. Replaced induction air filter. Cleaned fuel system. Pressures checked exhaust, hubal controls. Tightened all rocker covers. Ran compression check. 1) 79/80 2) 77/80 3) 78/80 4) 79/80 Washed run and checked for oil leaks. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. James P. O'Neill IN1942027
4/22/04	4962.5	ACT TSOH 1035.0		Changed oil and Filter, oil sample taken. Serviced with 84ts Aeroshell W-100 oil. Cleaned gapped and tested plugs. Removed both mags for 500 Hour inspection by O+B Aircraft SN 98091649 Model 4371 and SN 99010600 Model 4370 Timed mags to engine. Tightened oil drain back lines. cyl #1 Cleaned fuel system. Pressures checked exhaust. Ran compression check. 1) 78/80 2) 78/80 3) 78/80 4) 78/80 Washed run and checked for oil leaks. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. James P. O'Neill IN1942027
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				TOTALS—Carry forward to next page

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				TOTALS brought forward from previous page
5/26/04	4988.5			Took oil sample for metal check. Aircraft returned to service. <i>Ryan P. O'Neill</i> AP 445629959 IA

O'NEILL AIRCRAFT SALES & SERVICE

Norman, Oklahoma

7/16/2004 N99872 Engine Tach: 5011.1

Changed oil and filter. Inspected old filter for metal. Oil sample taken. Serviced with 8 quarts of Aeroshell W100 oil. Washed, ran, and checked for oil leaks.

James P. O'Neill
James P. O'Neill
IA1942027A&P

O'NEILL AIRCRAFT SALES & SERVICE

Norman, Oklahoma

8/20/2004 N99872 Engine Tach: 5060.6
 ACTT: 5060.6 TSOH: 1133.1

Changed oil and filter. Inspected old filter for metal. Serviced with 8 quarts of Aeroshell W100 oil, oil sample taken. Cleaned, gapped, and fire tested spark plugs. Checked mag timing to engine and adjusted. Pressure checked exhaust. Lubed engine controls and checked for correct travel. Replaced induction air filter, p/n: BA6108. Resealed aft crankcase bolt. Ran compression check: 1) 70/80 2) 72/80 3) 74/80 4) 70/80. Washed engine, ran, and checked for oil leaks. **I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition at this time.**

Ryan P. O'Neill
Ryan P. O'Neill
IA445629959A&P

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page

O'NEILL AIRCRAFT SALES & SERVICE

Norman, Oklahoma

10/7/2004 N99872 Engine Tach: 5114.6

Changed oil and filter. Inspected old filter for metal. Serviced with 8 quarts of Aeroshell W100 oil. Oil sample taken. Replaced all flammable fluid carrying hoses, p/n's: 124F001-3CR0170, 124F001-8CR0306, 124F001-8CR0272, 124F001-8CR0184, from Precision Hose Technology, Inc. Aircraft returned to service.

James P. O'Neill
James P. O'Neill
IA1942027A&P

AIRCRAFT INSPECTION & REPAIR

JONES/RIVERSIDE AIRPORT - TULSA OKLAHOMA W/O# 60487

12/17/2004 TACH:5154.1 HOBBS:16 699.2 N99872 SN: L33091-36A
CHANGED OIL AND OIL FILTER SERVICED WITH 40 W AEROSHELL OIL, CHECKED CYLINDER COMPRESSIONS: #1 72/80 #2 70/80, #3 68/80, #4 72/80, REPLACED INDUCTION AIR FILTER ELEMENT, REMOVED PRIMER NOZZELS CLEANED AND REINSTALLED, WASHED ENGINE GROUND RUN AND LEAK CHECKED OK.
ICERTIFY THIS ENGINE AND PROPELLER HAS BEEN INSPECTED I/A/W 100 HOUR ANNUAL INSPECTION AND DETERMINED TO BE IN AN AIRWORTHY CONDITION THIS DATE.


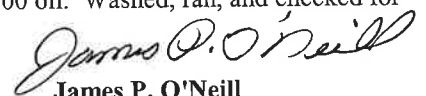
Barry Bredenstener
BARRY BREDENSTEINER----2793773 AP/IA

1/25/05	5202.8	CHANGE OIL, FILTER, ADD AEROSHELL W100
		CUT/INSPECT OLD FILTER - NO METAL
		CONTAMINATION FOUND
		<i>Barry Bredenstener</i>


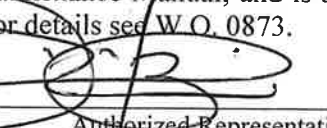

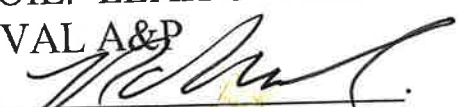
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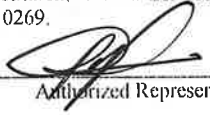
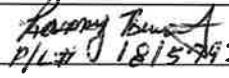
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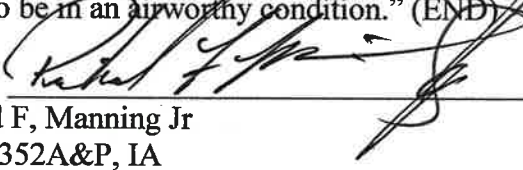

Page No. _____

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				<div><div><div><div>A.I.R. Aircraft Inspection & Repair LLC Jones/Riverside Airport-Tulsa, Oklahoma 74132 W/O#:405051 DATE:2.MAY 2005 TACH: 5250.3 N99872 S/N:76521</div><div>Changed oil & oil filter, serviced with Aeroshell 100 W. Took oil sample for analyses. Inspected filter element for contamination, replaced Induction Air Filter Element. Check cylinder compressions: # 1: 76/80 #2: 76/80 #3: 77/80 # 4 : 78/80. Washed engine, ground run leak checked OK. I CERTIFY THIS ENGINE HAS BEEN INSPECTED I/A/W A ANNUAL INSPECTION & DETERMINED TO BE IN AN AIRWORTHY CONDITION THIS DATE.  BARRY BREDENSTEINER/2793773 AP/IA</div></div></div></div>
<div><div>O'NEILL AIRCRAFT SALES & SERVICE</div><div>Norman, Oklahoma</div><div>7/18/2005 N99872 Engine Tach: 5291.0</div><div>Changed oil and filter. Inspected old filter for metal. Oil sample taken. Serviced with 8 quarts of Aeroshell W100 oil. Washed, ran, and checked for leaks.  James P. O'Neill IA1942027A&P</div></div>				
<div><div>1/26/06 Tach 5350.2 TSOH 1422.7 Changed oil and Filter oil Samples Taken. Serviced with 8qts Aeroshell W-100 oil. Cleaned Fuel System Replaced (8) Plugs Replaced induction Air Filter lubed controls Ran compression check. 1) 78/80 2) 70/80 3) 73/80 4) 72/80 Checked mag Timing To engine. AD 05-19-11 Crankshaft NA Model 1 + SN Per SB566 AD 05-26-10 ECI cylinders - NA becoming Factory overhaul</div><div><div>SUB-TOTALS this page</div><div>TOTALS—Carry forward to next page</div></div></div>				

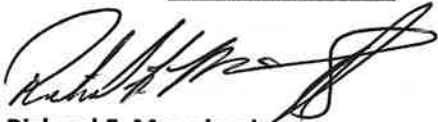

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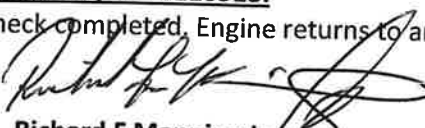
DATE	TOTAL TIME IN	TOTAL TIME SINCE	TACH OR RECORDING METER	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				<div><div><div><div>LIMITED WARRANTY AGREEMENT Aero Accessories, Inc. warrants that this air pump is free from defects in material or workmanship for a period of 2 years or 1000 hours from date of installation or 4 years from date of manufacture whichever first occurs. Aero Accessories, Inc. will at its option repair or replace on an exchange basis any air pump remanufactured or supplied by it, which within the warranty period is returned with freight prepaid, to it, and which upon examination is found to be defective in material or workmanship. This warranty does not apply to any air pump which has been subjected to misuse, neglect or accident, or which has been installed, repaired or altered in any way that in the judgment of Aero Accessories, Inc. has adversely affected the condition of the air pump. This is the sole and only warranty made by Aero Accessories, Inc. and no words or action by Aero Accessories, Inc. or its agents, its agents, or its employees or representatives shall constitute a warranty. No agent, employee or representative of Aero Accessories, Inc. has any authority to bind Aero Accessories, Inc. to any affirmation, representation, or warranty made by any person, including Aero Accessories, Inc. or its agents, or its employees or representatives.</div><div>TOTALS brought forward from previous page</div><div>Washed ran and checked for leaks. Installed New VACC Pump From Aero Accessories 215CC SN 41191 SSS 8130-3.</div><div> James P. O'Neill EA1942027</div></div></div></div>
<div><div><div>Aircraft Model: C 172 P Aircraft Serial #: 172-76521 Aircraft Registration: N99872</div><div>Date: March 15,2006 Tach Time: 5385.9 SMOH:1458.4</div></div><div>ENGINE LOG ENTRY</div><div>This date Perform the following: 1. Changed oil and filter p/n: CH48110-1, added 8 Qts. Exxon Elite 20W50. Ran engine, checked for leaks, ok. Cut old filter, no metal particles found. All maintenance done on this engine was performed in accordance with current regulations of the Federal Aviation Administration, Cessna Maintenance Manual, and is approved for return to service with respect to the work performed. For details see W.O. 0873. ALCA AVIONICS, Inc. – FAA Rep. Sta. L3CR595J  Authorized Representative</div></div>				
<div><div><div>Aircraft Model: C 172P Aircraft Serial #: 172-76521 Aircraft Registration: N99872</div><div>Date: June 30, 2006 Tach Time: 5433.5 TOTAL TIME: 5433.5 TSMOH: 1506.0</div></div><div>ENGINE LOG ENTRY</div><div>This date Perform the following: 1- Compression Check: #1-72 /80, #2- 70/80, #3- 72/80, #4- 74/80. 2- Cleaned and re-gapped spark plugs. 3- Replaced oil and filter, installed new CH48110-1, and added 8 Qts. Of oil Exxon Elite 20W50. Cut filter, no metal particles found. I certify that this Engine has been inspected in accordance with a 100 Hr./ Annual inspection and was determined to be in airworthy condition. All maintenance done on this engine was performed in accordance with current regulations of the Federal Aviation Administration, Cessna Service Manual, and is approved to return to service with respect to the work performed. For details see W.O. 0999. Alca Avionics Inc. – FAA Rep. Sta. L3CR595J  Authorized Representative</div></div>				
<div><div>11/8/2006 N99872 TACH. 5484.4 CHANGED OIL FILTER P/N CH48110-1, AND 8 QTS. EXXON ELITE 20Wx50 OIL. LEAK CHECK GOOD. ROB DUVAL A&P 2761276. </div><div><div>SUE</div><div>TOT</div></div></div>				

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<div>Aircraft Model: C 172P Aircraft Serial #: 172-76521 Aircraft Registration: N99872 Date: February 2, 2007 Tach Time: 5523.3 TOTAL TIME: 5523.3 SMOH: 1595.8</div> <div>ENGINE LOG ENTRY</div> <div>This date Perform the following: 1- Compression Check: #1-74/80, #2 - 72/80, #3 - 74/80, #4 - 72/80. 2- Drained oil. Added 8 Qts. of Exxon Elite 20W50. Replaced filter P/N CH48110-1. Open filter, no metal particles found. I certify that this Engine has been inspected in accordance with a 100 Hr. / Annual inspection and was determined to be in airworthy condition. All maintenance done on this engine was performed in accordance with Cessna 172 Service Manual and the current regulations of the Federal Aviation Administration, Cessna Service Manual, and is approved to return to service with respect to the work performed. For details see W.O. 10269. Alca Avionics Inc. - FAA Rep. Sta. L3CR595J  Authorized Representative</div>				
8/2/07	5571.2	1643.7	5571.2	DRAINED OIL, ADDED 8 QTS. AEROSHELL 15W50 REPLACED FILTER P/N CH48110-1, OPEN FILTER, NO METAL PARTICLES FOUND. REPLACED ENGINE AIR FILTER ELEMENT.  P/L # 1815793
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TOTALS—Carry forward to next page				

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2008				TOTALS brought forward from previous page
22 February 2008 N99872 Cessna 172P S/N: 17276521 Tach: 5601.4 Hobbs: 2257.2 Aircraft Total Time: 5601.4 Engine: Lycoming Model O-360-A4M S/N: L-3309-36A Engine T.S.M.O.H: 1673.9 Drained engine oil and removed oil filter. Cut open filter and inspected for metal. No metal was found. Serviced with 8 Qts Aeroshell 15W-50 oil and CH-48110-1 oil filter. Inspected all lines, hoses and baffles I/A/W Cessna Service manual check list and FAR 43, Appendix D. 1) Cleaned, tested and reinstalled all sparkplugs. 2) Cleaned fuel primer nozzles. 3) Checked engine timing and found ok. 4) Inspected wiring harness. 5) Adjusted alt belt. 6) Checked engine air filter. Performed engine compression test over 80 PSI. (1) 78/80 (2) 76/80 (3) 78/80 (4) 79/80 "I certify that this Engine has been inspected I/A/W an Annual Inspection and was found to be in an airworthy condition." (END) Signed:  22 February 2008 Richard F. Manning Jr 256984352A&P, IA Southern Aircraft Maintenance, Inc Brunswick, Georgia 31525				
JUL 21 2008				N99872 Cessna 172P S/N: 17276521 TACH: 5650.7 Hobbs: 2318.3 Engine T.S.M.O.H: 1723.2 DRAINED Engine oil and removed Filter, Cut open filter and inspected for Metal. NO Metal was found. Serviced Engine with 8 Qts Aeroshell 15W-50 oil and CH-48110-1 oil filter. Ground Run and checked for leaks. (END) JUL 21 2008 
SUB-TOTALS this page				
TOTALS—Carry forward to next page				

Richard Manning
A&P 256984352, IA

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
<p align="center">Southern Aircraft Maintenance Inc Brunswick Golden Isles Airport (BQK) Brunswick, Georgia 31525</p> <p>1 April 2011 N99872 Cessna 172P S/N: 17276521 Tach: 5795.1 Hobbs: 2490.5</p> <p>Removed engine cowling for inspection. Inspected all lines, hoses and baffles using Cessna Service Manual Checklist and FAR 43, Appendix D.</p> <ul style="list-style-type: none"> ➤ Drained engine oil and removed oil filter. ➤ Cut open oil filter and inspected for metal. No metal was found. ➤ Serviced engine with 8 Qts Aeroshell 15W-50 oil and CH48110-1 filter. ➤ Cleaned, tested and reinstalled sparkplugs. ➤ Removed magneto wiring harness. ➤ Installed new wiring harness. ➤ Removed Propeller from engine for replacement of ALT belt. ➤ Replaced ALT belt and reinstalled Propeller. ➤ Removed all intake tubes. ➤ Replaced all intake hoses and gaskets. ➤ Reinstalled intake tubes. ➤ Performed Compression Test over 80 PSI. ➤ (1) 72/80 (2) 72/80 (3) 74/80 (4) 72/80 <p>"I certify that this <u>Engine</u> has been inspected I/A/W an <u>Annual Inspection</u> and was found to be in an airworthy condition." (END)</p> <p align="right"> Richard F. Manning Jr A&P 256984352 IA</p>				
<p align="center">ENGINE</p> <p align="center">CESSNA 172P SERIAL# 172-76521</p> <p align="center">DATE 09/12/2011 TACH: 5845.3</p> <p>DRAINED ENGINE OIL, REPLACED OIL FILTER WITH C48110-2. ENGINE FILLED WITH 8 QUARTS OF AEROSHELL 15W-50. ENGINE RUN-UP GOOD NO LEAKS.</p> <p align="right"> JACK M SUTTON A&P 2714812</p>				
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TOTALS—Carry forward to next page				

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TOTALS brought forward from previous page				
<p align="center">Southern Aircraft Maintenance Inc Brunswick Golden Isles Airport (BQK) Brunswick, Georgia 31525</p> <p>5 May 2012 N99872 Cessna 172P S/N: 17276521 Tach: 5885.9 Hobbs: 2594.0 Airframe Total Time: 5885.9 Engine: Lycoming Model: O-360-A4M S/N: L-3309-36A Engine T.S.M.O.H: 1958.4</p> <p>Removed engine cowling for inspection. Inspected all lines, hoses and baffles using Cessna Service Manual and FAR 43, Appendix D. Drained Engine oil and removed oil filter. Cut open oil filter and inspected for metal. No metal was found. Serviced Engine with 8 Qts Aeroshell 15W-50 oil and CH-48110-1 oil filter. Removed, cleaned and tested sparkplugs. Replaced Engine air filter with new element. Performed compression check over 80 PSI. (1) 72/80 (2) 70/80 (3) 72/80 (4) 72/80 Reinstalled all cowlings "I certify that this <u>Engine</u> has been inspected I/A/W an <u>Annual Inspection</u> and was found to be in an airworthy condition." (END)</p> <p align="right"> Richard F. Manning Jr A&P 256984352 IA</p>				
<p align="center">Southern Aircraft Maintenance Inc Brunswick Golden Isles Airport (BQK) Brunswick, Georgia 31525</p> <p>31 July 2012 N99872 Cessna 172P S/N: 17276521 Tach: 5913.4 Hobbs: 2625.4 Airframe Total Time: 5913.4 Engine: Lycoming Model: O-360A4M S/N: L-3309-36A Engine T.S.M.O.H: 1985.9</p> <p>Removed left and right magnetos for replacement. Left magneto model: <u>Slick 4371</u>, S/N: <u>98091649</u>. Right magneto model: <u>Slick 4370</u> S/N: <u>99010600</u>. Installed new left magneto: <u>Slick Model 4371 S/N: 12041403</u>. Installed new right magneto: <u>Slick Model 4370 S/N: 11110913</u>. Timed magnetos to engine. Operation check completed. Engine returns to an airworthy condition." (END)</p> <p align="right"> Richard F Manning Jr A&P 256984352 IA</p>				
SUB-TOTALS this page				
TOTALS—Carry forward to next page				



3 December 2014

N99872 Cessna 172P S/N: 17276521

Tach: 6019.6 Airframe Total Time: 6019.6

Engine: Lycoming Model: O-360-A4M S/N: L-3309-36A

Engine Total Time: 2092.6 Engine T.S.M.O.H: 0.0 Hours**ENGINE LOG:**

Engine was removed from aircraft N99872 S/N: 17276521 Cessna 172P for Major Overhaul.

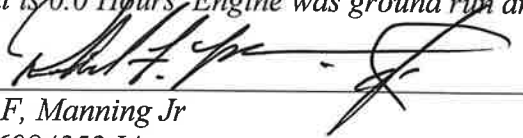
This engine was disassembled, cleaned, and Inspected in accordance with Manufacturers Instructions.

All applicable Airworthy Directives and Mandatory Manufacturers Service Bulletins are in Compliance. All steel parts were sent to D&S Cam Corp for Magnaflux and inspection. Crankcase was sent to Divco Inc for inspection.

The following parts were replaced with new.

- 1) Camshaft
- 2) All 8 lifters and tappet bodies
- 3) All 4 Cylinders. Lycoming Cylinder Kit P/N: 05K21104 from A.E.R.O. Granite City IL. S/N: G35689-6, G35689-7, G35689-9, G35689-10 with new Pistons, and Rings
- 4) Rocker Arm Shafts
- 5) Oil Pump Impeller Kit (GEARS) and Housing
- 6) All Rod Bolts and Nuts
- 7) All Rod and Main Bearings (Standard)
- 8) New Bushings on Rocker Arms and Rod assembly
- 9) All Cylinder Base Nuts
- 10) Vernatherm Valve
- 11) All gaskets and hoses
- 12) Cylinder Push-Rod Tube Shrouds
- 13) Engine Shock Mounts
- 14) 8 Each Sparkplugs
- 15) Starter Assembly

"I certify that this Engine has been overhauled to manufacturers new part limits using Lycoming Engine Overhaul Manual. Engine Total Time is 2092.6 and Time Since Overhaul is 0.0 Hours. Engine was ground run and test flown by the owner.

Signed: 
 Richard F, Manning Jr
 A&P 256984352 LA
 Glynco Manning Aviation

3 December 2014

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2015				TOTALS brought forward from previous page



29 January 2015

N99872 Cessna 172P S/N: 17276521

Tach: 6038.7 Airframe Total Time: 6038.7

Engine: Lycoming Model: O-360-A4M S/N: L-3309-36A

Engine Total Time: 2117.7 Engine T.S.M.O.H: 19.1 Hours**ENGINE LOG:**

Drained engine oil and removed oil filter for inspection. Cut open oil filter and inspected for metal. No metal was found. Serviced engine with 8 Qts Aeroshell 15W-50 oil and CH-48110-1 oil filter.

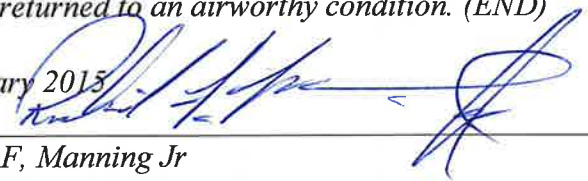
Adjusted engine idle speed. Removed all spark plugs. Cleaned, inspected and reinstalled. Installed JPI EDM-830 Temperature Monitoring System with exhaust gas, cylinder head temperature and JPI-FS-450 Fuel Flow I/A/W STC-SA2586NM and STC-SA00861SE.

K-Factor : 22.00

Engine was ground run and all systems checked normal. Aircraft was test flown by owner.

Aircraft returned to an airworthy condition. (END)

29 January 2015

Signed: 
 Richard F, Manning Jr
 A&P 256984352 LA

FAA 337 in Back of Book

SUB-TOTALS this page

TOTALS—Carry forward to next page

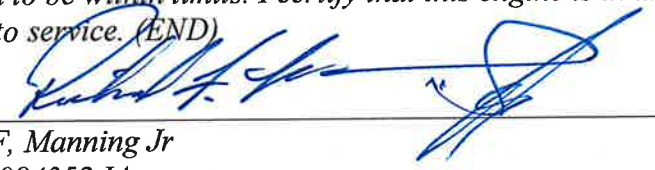
DATE



22 September 2015
N99872 Cessna 172P S/N: 17276521
Tach: 6071.3 Airframe Total Time: 6071.3
Engine: Lycoming Model: O-360-A4M S/N: L-3309-36A
Engine Total Time: 2144.3 Engine T.S.M.O.H: 51.7 Hours

ENGINE LOG:

Drained engine oil and removed oil filter. Cut open oil filter and inspected for metal. No metal was found. Serviced engine with 8 Qts of Aeroshell 15W-50 oil and CH-48110-1 oil filter.
Removed engine oil cooler for replacement due to high temperature readings. Oil cooler P/N: 8406R, S/N: 1297. Installed new oil cooler P/N: 8001602, customer P/N: 8406R. Ground run engine and checked for leaks. None noted. Aircraft was test flown by owner and found to be within limits. I certify that this engine is in an airworthy condition and returned to service. (END)

Signed:  22 September 2015
Richard F, Manning Jr
A&P 256984352 IA
New S/N: 46552

SUB-TOTALS this page
TOTALS—Carry forward to next page

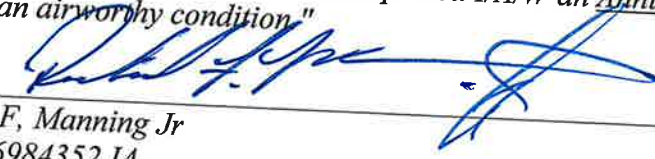
DATE



2 December 2015
N99872 Cessna 172P S/N: 17276521
Tach: 6090.9 Airframe Total Time: 6090.9
Engine: Lycoming Model: O-360-A4M S/N: L-3309-36A
Engine Total Time: 2163.9 Engine T.S.M.O.H: 71.3 Hours

ENGINE LOG:

Removed engine cowling for inspection. Inspected all lines, hoses and baffles using Cessna Service Manual check list and FAR 43, Appendix D.
Drained engine oil and removed oil filter. Cut open oil filter and inspected for metal. No metal was found. Pulled oil sample and sent to AvLab (Aviation Laboratories)
Serviced engine with 8 Qts of Aeroshell 15W-50 oil and CH-48110-1 oil filter.
Performed compression check over 80 PSI.
(1) 78/80 (2) 78/80 (3) 78/80 (4) 78/80
Replaced engine airfilter element P/N BA-6108
"I certify that this Engine has been inspected I/A/W an Annual Inspection and was found to be in an airworthy condition."

Signed:  2 December 2015
Richard F, Manning Jr
A&P 256984352 IA
Glynco Manning Aviation

Date: 2/10/2017 Tach: 6108.7 TTE: 4072.92 SMOH: 89.1
Changed oil and filter, cut open filter and inspected, no metal found. Engine serviced with 8 qts of AeroShell W15W50 and Champion CH 48110-1 filter provided by owner. Cleaned, gapped and rotated spark plugs. Inspected exhaust system. Replaced exhaust riser clamps on cylinder #2 with new clamp kit purchased from Parts Exchange, Inc. Checked mag timing. Inspected fuel and oil flex hoses. Checked engine controls for condition and operation. Checked carb and gascolator screens. Compressions 80 psi: 1/73, 2/77, 3/78, 4/78. Washed down engine and performed run up and leak checked. AD's checked thru Biweekly 2017-03.
I certify that this Engine has been inspected in accordance with Annual inspection procedures and was determined to be in airworthy condition.

Signed: 
A&P 2830402 IA
For: Martin Aircraft Services, LLC

SUB-TOTALS this page
TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
				N99872 C172P S/N 17276521 ACTT 6118.7 Tach 6118.7 Lyc O 360 A4M S/N L.3309-36A TSMOH 99.1 Eng TT 2191.3 Performed Inspection using Cessna, Lycoming checklists and FAR 43 Appendix D as a guide. Checked all fuel and oil lines. Performed compression check #1 78/80 #2 76/80 #3 76/80 #4 77/80. Inspected cylinder and valves with Borescope. No Defects noted. Drained and reserviced engine with 8qts Aeroshell 15W50. Took oil sample for analysis by AvLab. Cleaned and Inspected suction screen. Installed new gasket MS35769-21. Removed oil filter and cut open. No metal found. Installed new oil filter CH48110-1. Cleaned and inspected fuel screens. Installed new Gasket Carburetor fuel screen MC16-A48. Cleaned, Inspected and gapped Sparkplugs. Checked Magneto timing. Checked all engine controls for operation and condition. Runup and Leak checked. No Defects. All AD's checked through Bi-Weekly 2018-05. I certify that this ENGINE has been inspected in accordance with an ANNUAL Inspection and was determined to be in Airworthy condition. Date. 3/15/2018 Ronald S. Serafini IA 3317364.
				N99872 C172P S/N 17276521 ACTT 6118.7 Tach 6118.7 Lyc O 360 A4M S/N L.3309-36A TSMOH 99.1 Eng TT 2191.3 Performed Inspection using Cessna, Lycoming checklists and FAR 43 Appendix D as a guide. Checked all fuel and oil lines. Performed compression check #1 77/80 #2 77/80 #3 76/80 #4 75/80. Inspected cylinder and valves with Borescope. No Defects noted. Drained and reserviced engine with 8qts Aeroshell 15W50. Took oil sample for analysis by AvLab. Cleaned and Inspected suction screen. Installed new gasket MS35769-21. Removed oil filter and cut open. No metal found. Installed new oil filter CH48110-1. Cleaned and inspected fuel screens. Installed new Gasket Carburetor fuel screen MC16-A48. Cleaned, Inspected and gapped Sparkplugs. Checked Magneto timing. Checked all engine controls for operation and condition. Washed Engine. Runup and Leak checked. No Defects. All AD's checked through Bi-Weekly 2019-07. I certify that this ENGINE has been inspected in accordance with an ANNUAL Inspection and was determined to be in Airworthy condition. Date. 4/11/2019 Ronald S. Serafini IA 3317364.
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				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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				N99872 C172P S/N 17276521 ACTT 6156.5 Tach 6156.5 Lyc O 360 A4M S/N L.3309-36A TSMOH 137.0 Eng TT 2229.2 Performed Inspection using Cessna, Lycoming checklists as a guide and FAR 43 Appendix D. Checked all fuel and oil lines. Performed compression check #1 77/80 #2 77/80 #3 75/80 #4 75/80. Drained and reserviced engine with 8qts Aeroshell 15W50. Cleaned and Inspected suction screen. Installed new gasket MS35769-21. Removed oil filter and cut open. No metal found. Installed new oil filter Tempest AA48110-2. Cleaned and inspected fuel screens. Installed new Gasket Carburetor fuel screen MC16-A48. Cleaned, Inspected and gapped Sparkplugs. Checked Magneto timing. Checked all engine controls for operation and condition. Runup and Leak checked. No Defects. I certify that this ENGINE has been inspected in accordance with an ANNUAL Inspection and was determined to be in Airworthy condition. Date. 5/5/2020 Ronald S. Serafini IA 3317364.
				N99872 C172P S/N 17276521 ACTT 6177.1 Tach 6177.1 Lyc O 360 A4M S/N L.3309-36A TSMOH 146.6 Eng TT 2248.8 Performed Inspection using Cessna, Lycoming checklists as a guide and FAR 43 Appendix D. Checked all fuel and oil lines. Performed compression check #1 74/80 #2 77/80 #3 75/80 #4 74/80. Inspected cylinder and valves with Borescope. No Defects noted. Cleaned and inspected fuel screens. Installed new Gasket Carburetor fuel screen MC16-A48. Cleaned, Inspected and gapped Sparkplugs. Checked Magneto to Engine timing. Checked High Tension Leads for Leakage. Installed new Lycoming STD-21A0 Drain hose Cylinder # 2, 4. Checked all engine controls for operation and condition. Runup and Leak checked. No Defects. I certify that this ENGINE has been inspected in accordance with an ANNUAL Inspection and was determined to be in Airworthy condition. Date. 5/31/2021 Ronald S. Serafini IA 3317364.
				N99872 C172P S/N 17276521 ACTT 6189.5 Tach 6189.5 Lyc O 360 A4M S/N L.3309-36A TSMOH 159.0 Eng TT 2261.2 Performed Inspection using Cessna, Lycoming checklists as a guide and FAR 43 Appendix D. Checked all fuel and oil lines. Performed compression check #1 77/80 #2 76/80 #3 76/80 #4 76/80. Inspected cylinder and valves with Borescope. No Defects noted. Cleaned and inspected fuel screens. Installed new Gasket Carburetor fuel screen MC16-A48. Cleaned, Inspected and gapped Sparkplugs. Checked Magneto to Engine timing. Checked High Tension Leads for Leakage. Drained and Reserviced with 8qts AeroShell 15W50. Installed new Tempest fuel flow oil filter AA48110-2. Cleaned sump screen Installed new AN300-16 gasket. Installed New Induction Air Filter Element BARNER. Checked all engine controls for operation and condition. Runup and Leak checked. No Defects. I certify that this ENGINE has been inspected in accordance with an ANNUAL Inspection and was determined to be in Airworthy condition. Date. 6/14/2022 Ronald S. Serafini IA 3317364.
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N99872 C172P S/N 17276521 ACTT 6198.6 Tach 6198.6

Lycoming O 360 A4M S/N L.3309-36A TSMOH 168.1

Performed Inspection using Cessna, Lycoming checklists as a guide and FAR 43 Appendix D. Checked all fuel and oil lines. Performed compression check #1 75/80 #2 75/80 #3 77/80 #4 77/80. ...
Cleaned and inspected fuel screens. Installed new Gasket Carburetor fuel screen MC16-A48. Cleaned, Inspected and gapped Sparkplugs. Checked Magneto to Engine timing. Checked High Tension Leads for Leakage. Installed New Induction Air Filter Element BA6108. Checked all engine controls for operation and condition. Runup and Leak checked. No Defects.
I certify that this ENGINE has been inspected in accordance with an ANNUAL Inspection and was determined to be in Airworthy condition.
Ronald S. Serafini IA 3317364.

4/27/2023
(RSS)

N99872 C172P S/N 17276521 ACTT 6206.6 Tach 6206.6

Lycoming O 360 A4M S/N L.3309-36A TSMOH 176.1

Performed Inspection using Cessna, Lycoming checklists as a guide and FAR 43 Appendix D. Checked all fuel and oil lines. Performed compression check #1 75/80 #2 78/80 #3 77/80 #4 76/80. ...
Cleaned and inspected fuel screens. Installed new Gasket Carburetor fuel screen MC16-A48. Cleaned, Inspected and gapped Sparkplugs. Checked Magneto to Engine timing. Checked High Tension Leads for Leakage. Checked all engine controls for operation and condition. Runup and Leak checked. No Defects.
I certify that this ENGINE has been inspected in accordance with an ANNUAL Inspection and was determined to be in Airworthy condition.
Ronald S. Serafini IA 3317364.

9/18/2024
(RSS)

N99872 C172P S/N 17276521 ACTT 6206.7 Tach 6206.7

Lyc O 360 A4M S/N L.3309-36A TSMOH 176.1
Date 1/08/2025

Removed both brake calipers, disassembled and cleaned. Installed new MS28775-224 Orings. Reinstalled both brake calipers and safetied. Reserviced both master cylinders. Bled entire brake system. Operational check Ok. Ronald S. Serafini IA 3317364.

SUB-TOTALS this page
TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
10/16/25	6209.8	178.9	3013.6	clw Prebug insp per customer request. Put oil filter, replaced with new. Open panels in wings, fuselage + tail. No rigging or adjustments made. clw IAW Lycoming checklists and FAR 43 App D. Also clw compression test #1) 75/80 #2) 74/80 #3) 72/80 #4) 72/80 Ground Run + Leak check. clw. OK for service. Kelly J. Madigan Kelly J. Madigan ADP2848704 END

N99872 C172P S/N 17276521 ACTT 6209.8 Tach 6209.8

Lycoming O 360 A4M S/N L.3309-36A TSMOH 179.3

Performed Inspection using Cessna, Lycoming checklists as a guide and FAR 43 Appendix D. Checked all fuel and oil lines. Performed compression check #1 78/80 #2 76/80 #3 76/80 #4 75/80. ...
Cleaned and inspected fuel screens. Installed new Gasket Carburetor fuel screen MC16-A48. Cleaned, Inspected and gapped Sparkplugs. Checked Magneto to Engine timing. Checked High Tension Leads for Leakage. Installed New Induction Air Filter Element BA6108. Checked all engine controls for operation and condition. Runup and Leak checked. No Defects.
I certify that this ENGINE has been inspected in accordance with an ANNUAL Inspection and was determined to be in Airworthy condition.
Ronald S. Serafini IA 3317364.

SUB-TOTALS this page
TOTALS—Carry forward to next page