

ENGINE

#2



PH: 316-326-8581
PH: 316-326-8904

MAINTENANCE LOG

CRS NO. MNYR085K
Corporate Offices:
Wellington Airport
Box 541
Wellington, KS 67152

MAINTENANCE RECORD

DATE

19__

Aircraft: N84794

Model: O-360-A4M

S/N: L-22437-36A

Tach: 487.3

Hobbs: 2144.1

Date: 02-19-2026

URE,
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Complied with aircraft 100 hours **Engine** inspection in accordance with FAR 43, Appendix D & Lycoming M/M.

Drained oil and removed filter. Cut filter and verified no metal.

Serviced engine with 7qts 20-50XC and 1pt AvBlend. Installed new filter AA48110-2.

Removed and inspected sump screen. Nothing noted.

Completed compression check 1: 79/80, 2: 78/80, 3: 78/80, 4: 77/80. Cleaned and rotated plugs.

Borescoped cylinders, nothing noted.

Complied with the following:

AD 24-21-02 Rod Bushing

Next Due: 537.3

I certify this **Engine** was inspected IAW 100 hr inspection and returned to service.



Scott Davis A&P 3488741

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Aircraft: N84794 Model: O-360-A4M S/N: L-22437-36A

DAT

Tach: 353.6 Hobbs: 1954.1 Date: 09-18-2025

**SIGNATURE,
TYPE
NUMBER**

19

Complied with aircraft 100 hours Engine inspection in accordance with FAR 43, Appendix D & Lycoming M/M.

Drained oil and removed filter. Cut filter and verified no metal. Serviced engine with 20-50XC.

Removed and inspected sump screen. Nothing noted.

Completed compression check 1: 72/80, 2: 76/80, 3: 70/80, 4: 72/80. Cleaned and rotated plugs.

Removed and replaced muffler (A1754001-25). Installed new clamps (A0750161-25) and gaskets (77611)

Complied with the following:

AD 24-21-02 Rod Bushing Next Due: 403.6

I certify this Engine was inspected IAW 100 hr inspection and returned to service.


Scott Davis A&P 3488741

Aircraft: N84794 Model: O-360-A4M S/N: L-22437-36A

DAT

Tach: 405.5 Hobbs: 2024.2 Date: 11-20-2025

IRE,

19

Complied with Annual Engine inspection in accordance with FAR 43, Appendix D & Lycoming M/M.

Drained oil and removed filter. Cut filter and verified no metal. Serviced engine with 20-50XC.

Removed and inspected sump screen. Nothing noted.

Completed compression check 1: 74/80, 2: 78/80, 3: 65/80, 4: 74/80. Cleaned and rotated plugs.

Removed carburetor. Installed Overhauled Marvel Schebler carburetor (PN: MA-4-5 SN: 10-5193) with new gaskets


Removed airbox and bracket. Replaced with new airbox (PN:1728902-1) and bracket (PN: APS0552120-2)

Completed: AD 24-21-02 Rod Bushing Next Due: 403.6


I certify this Engine was inspected IAW Annual inspection and returned to service.


Scott Davis A&P 3488741 IA


MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE	DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE
19__		<p>Aircraft: N84794 Model: 0-360-A4M S/N: L-22437-36A</p> <p>Tach: 70.8 Hobbs: 1580.9 Date: 07-25-2024</p> <p>Drained oil and removed filter. Cut filter and verified no metal. Replaced spark plugs with new UREM38E.</p> <p>Completed compression Check. #1 78/80, #2 74/80, #3 76/80, #4 75/80. Completed bore scope of cylinders.</p> <p>I certify this engine was inspected IAW 100 hr inspection and returned to service.</p> <p> Scott Davis, 3488741 A&P</p>	


MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			<p>Aircraft: N84794 Model: 0-360-A4M S/N: L-22437-36A</p> <p>Tach: 118.3 Hobbs: 1643.8 Date: 10-19-2024</p> <p>Drained oil and removed filter. Cut filter and verified no metal. Removed, cleaned, tested, and rotated spark plugs. Completed compression Check. Completed bore scope of cylinders.</p> <p>I certify this engine was inspected IAW 100 hr inspection and returned to service.</p> <p> Scott Davis, 3488741 A&P</p>	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			Aircraft: N84794 Model: O-360-A4M S/N: L-22437-36A	
			Tach: 22.3 Date: 5-23-2024	
			Drained oil and removed filter. Cleaned and rotated plugs. Completed compression Check. All over 76/80. Completed bore scope of cylinders.	
			I certify this engine was inspected IAW 100 hr inspection and returned to service.	
			 Scott Davis A&P 3488741	

MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			Aircraft: N84794 Model: O-360-A4M S/N: L-22437-36A	
			Tach: 0.0 Hobbs: 1580.9 Date: 05-13-2024	
			Previous Tach: 1170.9	
			Removed and replaced tach with Mitchell #D1-112-5025 (SN:33051.) Tach time at replacement was 1170.9.	
			 Scott Davis, 3488741 A&P	



785.354.7055
 Billard Airport
 Topeka, Ks 66616
 R.S. #HN9R720Y
 W.O. #24-1289

Engine Log
 N84794
 O-360-A4M
 SN: L-22437-36A
 01-11-2024
 TACH: 1055.6 HRS

D SIGNATURE,
 DATE TYPE
 JMBER

DATE 19__	TOTAL TIME IN SERVICE	
	HOURS	10th


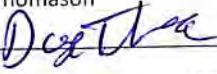
- DRAINED OIL & COLLECTED SAMPLE. REMOVED FILTER & INSPECTED FOR METAL, NO METAL NOTED. INSTALLED NEW FILTER & SAFETIED. SERVICED ENGINE WITH 8 QTS OF 20/50 PHILLIPS X/C, WASHED ENGINE, RAN AIRCRAFT TO OPS & LEAK CHECK, FOUND TO BE OK.
- LOOSENED #4 VALVE COVER SCREWS & ADJUSTED GASKET. RETORQUED COVER SCREWS, RAN UP & LEAK CHECKED GOOD., NO DISCREPANCIES NOTED AT THIS TIME.
- PERTINENT DETAILS ARE ON FILE AT THIS REPAIR STATION UNDER THE ABOVE WORK ORDER. A COPY OF THIS REPAIR ORDER HAS BEEN PROVIDED TO THE OPERATOR.
- THIS ENGINE HAS BEEN APPROVED FOR RETURN TO SERVICE.

TYSON METCALFE
 A&P/IA #3559413



MAINTENANCE RECORD

DATE 19__	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
			 3310 SW Harrison Street, Suite 3, Topeka, KS 66611	
			ENGINE LOG, 03/01/2024 N84794 O-360-A4M S/N: L-22437-36A TACH: 1,099.20 HRS	
			Drained oil and removed filter. Installed new Tempest AA48110-2 filter. Serviced engine with 8 quarts 20/50 Phillips X/C. I certify that this engine has been inspected in accordance with 100hr inspection and was determined to be in airworthy condition. Engine returned to service.	
			Signature & Number: A&P #2453283	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	19__	HOURS		
			 <p style="text-align: center;">Precision Aviation Maintenance, Inc N84794</p> <p>August 8, 2019 Tach: 453.2 TSO 453.2 TT 2478.2 Continental O-360-A4M S/N L-22437-36A 100 hour inspection completed using Cessna maintenance manual and FAR part 43 appendix D, Lycoming O360 manual for reference. Compressions 1) 74/80 2) 68/80 3) 70/80 4)74/80. Drained engine oil, serviced with 8 Qts Aeroshell w100 plus, Oil filter removed and cut open, oil screen checked, no contamination found at this time. New CH48110-0 oil filter installed. Spark plugs cleaned and gap set, and reinstalled. Magneto Timing checked. Ground run for leak check, none noted at this time. I certify that this engine has been inspected in accordance with a100 hour Inspection and is in airworthy condition. Doyle Thomason Signed  AP3190312IA Precision Aviation Maintenance, Inc. 472 Hwy 25 Hangar 20 Jerome Idaho Phone: 208-308 1852</p>	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	19__	HOURS		
			 <p style="text-align: center;">Precision Aviation Maintenance, Inc N84794</p> <p>November 11,2019 Tach: 517.2 ACTT: 4537.3 TSOH: 517.2 Engine TT: 2542.2 Lycoming O-360-A4M S/N L-22437-36A An Annual/100 Hr inspection completed using Cessna maintenance manual and FAR part 43 appendix D for reference. Compressions 1) 72/80 2) 72/80 3) 72/80 4)74/80. Drained engine oil, serviced with 8 Qts Aeroshell w100 plus, Oil filter removed and cut open for inspection, no contamination found at this time, new CH48110-1 oil filter installed. Spark plugs replaced with new UREM38E. Ground run for leak check, none noted at this time. I certify that this engine has been inspected in accordance with an ANNUAL/100Hr Inspection and is in airworthy condition. Doyle Thomason Signed  AP3190312IA Precision Aviation Maintenance, Inc. 259 Joslin Way, Twin Falls, Idaho 83301 Phone: 208-736-3374</p>	

MAINTENANCE RECORD


DATE	TOTAL T IN SERV		SIGNED SIGNATURE, TYPE NUMBER
19__	HOURS		
		 <h2 style="margin: 0;">Precision Aviation Maintenance, Inc</h2> <p style="margin: 0;">April 19, 2012 N84794 Tach: 121.4 ACTT: 4257.0 TSOH: 121.4 Engine TT: 2146.4 Lycoming O-360-A4M S/N L-22437-36A An Annual inspection completed using Cessna maintenance manual and FAR part 43 appendix D for reference. Compressions 1) 78/80 2) 74/80 3) 78/80 4) 78/80. Drained engine oil, refilled with 8 Qts Aeroshell w100 plus, Oil filter removed and cut open for inspection, no contamination found at this time, new CH48110-1 oil filter installed. Ground run for leak check, none noted at this time. I certify that this engine has been inspected in accordance with an ANNUAL Inspection and is in airworthy condition. Doyle Thomason Signed  AP31903121A Precision Aviation Maintenance, Inc. 259 Joslin Way, Twin Falls, Idaho 83301 Phone: 208-736-3374</p>	

Lycoming O360-A4M s/n L-22437-36A

5/1/2015 Tach and Time Since Overhaul 121.6 Total time 2146.6

100 hour inspection complied with at annual using Cessna 172 service manual checklist and due to non-standard engine, Lycoming O360 operators manual section 4(periodic inspections) pages 4-2 thru 4-5 (25h to 100h) inspection checklist. Compression check as follows: 1)76, 2)74, 3)74, 4)77 all over 80 using an ET compression tester with a .040" orifice with a master orifice reading of 45/80. Checked mag to engine timing found both at 25 degrees BTC, no adjustment necessary. Drained oil from sump and oil cooler and opened and inspected filter, no foreign material found. Serviced with 8 quarts Aeroshell W100 and new AA48110-2 filter. Researched and verified all past Airworthiness Directives for applicability and compliance, see AD status sheet with content revision 3/17/2015 for details. Verified all cylinders are Lycoming LW12427. Crank s/n is I10888 which is not a subject of an AD at this time. C/W AD72-06-05R2 dated 7/3/86 by safety wiring carb/throttle arm per illustration B. Cleaned, gapped and tested spark plugs. Tightened oil drain back tube clamps and checked torque of rocker cover screws and induction tube clamps. Washed engine and belly. Ground run, leak check and function checks good.

I certify I have inspected this engine in accordance with a 100 hour inspection at annual and found it to be in an airworthy condition.

Todd Myers 


AP27408511A

SIGNED SIGNATURE,
TYPE
NUMBER

Lycoming O360-A4M s/n L-22437-36A

2/19/2016 Tach and Time Since Overhaul 141.9 Total time 2166.9

Oil change this date. Opened filter and inspected, no foreign material found. Serviced with 8 quarts Phillips 20W50XC and new AA48110-2 filter. Ground run checks good.

Todd Myers 


AP2740851

Lycoming O360-A4M s/n L-22437-36A

5/25/2016 Tach and Time Since Overhaul 146.2 Total time 2171.2

100 hour inspection complied with at annual using Cessna 172 service manual checklist and due to non-standard engine, Lycoming O360 operators manual p/n 60297-12 section 4(periodic inspections). Compression check as follows: 1)76, 2)66, 3)75, 4)75 all over 80 using an ET compression tester with a .040" orifice with a master orifice reading of 45/80. Checked mag to engine timing found both at 25 degrees BTC, no adjustment necessary. Oil change not due at this time. Cleaned, gapped and tested spark plugs. Inspected for missing or loose hardware, no defects found. Washed engine and belly. Ground run, leak check and function checks good.

I certify I have inspected this engine in accordance with a 100 hour inspection at annual and found it to be in an airworthy condition.

Todd Myers 

AP27408511A

MAINTENANCE RECORD

DATE 2008 19	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
5/16/2008	2103	0	TACH 78.0 TSMOH 78.0 REPAIRED SPARK PLUG WASHERS. CHANGED OIL + FILTER - AEROSHELL 15W50. RAN + LEAK CHECKED ENGINE. INSPECTED ENGINE IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION. AD 2006-12-07 ECI CYLINDER P/N AEL 65102 NOT INSTALLED. AD 2006-10-21 ECI CONNECTING ROD P/N AEL 11750 NOT INSTALLED.	COMPRESSION 1)78 3)72 2)72 4)73
5/15/2008	2103	0	<i>E. A. Sign</i> ATP 157622963 TACH 78.0 TSMOH 78.0 OIL SAMPLE TAKEN FROM CUT OPEN OIL FILTER AFTER OIL HAD ALREADY DRAINED FROM ENGINE. SAMPLE SENT TO SPECTRO FOR ARD OF CROWLEY, TEXAS FOR TESTING. ENGINE OIL TEST REPORT RETURNED. REPORT INDICATES GOOD FOR ENGINE TIME. INSERTED REPORT INTO AIRCRAFT RECORDS BINDER. NO OIL ADDED TO ENGINE SINCE LAST OIL CHANGE. <i>E. A. Sign</i> ATP 157622963	
5/24/2008	2104	2	TACH 79.2 TSMOH 79.2 RETESTED COMPRESSION 1)78 2)77 3)77 4)78 → →	

8/14/2006 TT 2092.2 TACH 67.2 TSMOH 67.2
CHANGED OIL AND FILTER - AEROSHELL 15W50. RAN AND LEAK CHECKED ENGINE. *E. A. Sign* ATP 157622963

DATE 19	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
7/2/2007	2117	3	TACH 92.3 TSMOH 92.3 CHANGED OIL AND FILTER - AEROSHELL 15W50. RAN AND LEAK CHECKED ENGINE. OIL SAMPLE TAKEN AND SENT TO SPECTRO OF CROWLEY, TEXAS. NO OIL ADDED TO ENGINE OVER LAST 14.3 HOURS. <i>E. A. Sign</i> ATP 3397236	
11/3/2009	2117	5	TACH 92.5 TSMOH 92.5 RECEIVED SPECTRO ENGINE OIL TEST REPORT. EVALUATION INDICATES THE WEAR IS NORMAL FOR THE TIME ON THE ENGINE AND OIL. REPORT INSERTED INTO ENGINE RECORDS BINDER. AD 2008-19-05 ECI CYLINDER ASSEMBLY P/N AEL 65102 AND CYLINDER HEAD P/N AEL 85099 NOT INSTALLED. TESTED COMPRESSION 1)78 2)78 3)77 4)78. INSPECTED ENGINE IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION. <i>E. A. Sign</i> ATP 3397236	

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
5/25/2000	2049	8	TACH 24.8 TSMOH 24.8 DRAINED + REPLACED OIL AEROSHELL 15W50, INSPECTED ENGINE IAW A 100 HOUR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION <i>E. A. [Signature]</i> AYP1576229	
6/1/2001	2052	6	TACH 27.6 TSMOH 27.6 DRAINED + REPLACED OIL AND FILTER AEROSHELL 15W50, REPLACED AIR FILTER + VALVE COVER BASKETS. INSPECTED ENGINE IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION <i>E. A. [Signature]</i> AYP1576229 RAN + LEAK CHECKED ENGINE <i>E. A. [Signature]</i> AYP1576229	
6/1/2002	2055	7	TACH 30.7 TSMOH 30.7 CHANGED OIL AND FILTER AEROSHELL 15W50. RAN AND LEAK CHECKED ENGINE. INSPECTED ENGINE IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION <i>E. A. [Signature]</i> AYP1576229	

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
1/2/2003	2059	0	TACH 34.0 TSMOH 34.0 CHANGED OIL + FILTER AEROSHELL 15W50, RAN AND LEAK CHECKED ENGINE. INSPECTED ENGINE IN ACCORDANCE WITH A 100 HOUR INSPECTION AND FOUND TO BE IN AIRWORTHY CONDITION <i>E. A. [Signature]</i> AYP1576229	
1/10/2004	2063	2	TACH 38.2 TSMOH 38.2 AD 2004-10-14 REQUIRES INSPECTION OF CRANKSHAFT GEAR INSTALLATION IN THE EVENT OF A PROP STRIKE, SUDDEN STOPPAGE, AT OVERHAUL OR WHENEVER GEAR TRAIN REPAIR IS NEEDED. <u>NO ACTION REQUIRED</u> <u>AT THIS TIME.</u> CHANGED OIL AND FILTER AEROSHELL 15W50. RAN AND LEAK CHECKED ENGINE. INSPECTED ENGINE IN ACCORDANCE WITH A 100 HOUR INSPECTION + FOUND TO BE IN AIRWORTHY CONDITION <i>E. A. [Signature]</i> AYP1576229	
1/4/2005	2068	3	TACH 43.3 TSMOH 43.3 CHANGED OIL + FILTER AEROSHELL 15W50. RAN AND LEAK CHECKED ENGINE. INSPECTED ENGINE IN ACCORDANCE WITH A 100 HOUR INSPECTION + FOUND TO	

MAINTENANCE RECORD

DATE 19 98	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
7/9/98	2033	.2	TACH 1916.0 TSMOH 8.2 REPLACED OIL & FILTER AEROSHELL 15W50 REMOVED CARBURETOR P/N 10-5193 S/N CP-0-265 FOR SUSPECT ENGINE ROUGHNESS, INSTALLED PRECISION ^{SPAC} CONSOLIDATED AIRMOTIVE OVERHAUL CARBURETOR P/N 10-5193 S/N CP-0-100	
			CONSOLIDATED FUEL SYSTEMS W.O. 598047. ALL SERVICE BULLETINS AND AD'S CURRENT AS OF THIS INSTALLATION AS DOCUMENTED ON CONSOLIDATED FORM # CFS 17 INCLUDED IN THESE AIRCRAFT RECORDS, ENGINE TEST RUN NORMAL <i>Eric A. Suggs</i> ATP 157622963	
9/10/98	2038	.0	TACH 1920.8 TSMOH 13.0 REMOVED TACH & INSTALLED NEW TACH SEE AIRCRAFT LOG. NEW TACH SET BY FACTORY AT 13 HOURS TO MATCH ENGINE TIME SINCE MAJOR OVL - <i>Eric A. Suggs</i> ATP 157622963	
* NEW	TACH *			
9/10/98	2038	.0	TACH 13.0 TSMOH 13.0 REMOVED RIGHT MAGNETO FOR ENGINE ROUGHNESS. CONFIRMED BY BENCH TEST. MAG MODEL 4370 S/N 97080424 SHIPPED FOR WARRANTY <i>Eric A. Suggs</i> ATP 157622963	
			RECEIVED NEW RIGHT MAG MODEL 4370 S/N 98080231 FROM CHIEF AIRCRAFT. INSTALLED NEW MAG & TEST RUN NORMAL <i>Eric A. Suggs</i> ATP 157622963	
21 12/99			DRAINED & REPLACED ENGINE OIL AEROSHELL 15W50 FOR CALENDAR TIME - <i>Eric A. Suggs</i> ATP 157622963	

MAINTENANCE RECORD

DATE 19 99	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
5/1/99	TACH 21.1 TTIS 2046.1 TSMOH 21.1		DRAINED & REPLACED ENGINE OIL AEROSHELL 15W50 <i>Eric A. Suggs</i> ATP 157622963	
			INSPECTED ENGINE IAW ANOHR INSPECTION & FOUND TO BE IN AIRWORTHY CONDITION <i>Eric A. Suggs</i> ATP 157622963	
			AD 98-23-01 VERIFIED P/N B1-19-1 NOT INSTALLED.	
			AD 98-02-08 N/A O360 A4M EXEMPT FROM THIS AD. AD 98-17-11 N/A O360 A4M S/N L-22437-36A CRANKSHAFT NOT REPAIRED BY NELSON BALANCING SERVICE. <i>Eric A. Suggs</i> ATP 157622963	
1/3/ 2000	2049 TACH 24.8 TSMOH 24.8	8	REMOVED PRESBUTE STARTER. INSTALLED SKY-TEC STARTER MODEL 149-124 S/N FZL-319908 I.A.W. STC # E00218NY. FORM 337 FILED WITH FAA. WEIGHT & BALANCE AND EQUIPMENT LIST AMENDED. REMOVED VACUUM PUMP AIRBORNE 21CC & INSTALLED NEW AIRBORNE 215CC S/N 11AR5499 & TESTED	
			PER AIRBORNE INSTRUCTION BOOKLET AND LYCOMING OVERHAUL MANUAL. NO WEIGHT & BALANCE CHANGE. DRAINED OIL & REPLACED OIL FILTER. SERVICED ENGINE WITH AEROSHELL 15W50 & LEAK CHECKED ENGINE. <i>Eric A. Suggs</i> ATP 157622963	

MAINTENANCE RECORD

DATE 19 <u>98</u>	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
CONTINUED:			KEEPERS, ALL NEW SPRINGS BY AERO AVIATION OF ILLINOIS (CRS # SA 2 R 154 L) UNDER W/O # 392 ENGINE WAS REASSEMBLED USING ALL NEW PARTS RECOMMENDED IN LYCOMING S/B # 240N. INSTALLED 2 GR. NEW SLICK	GRANITE CITY 35 DATED 9/16/87.
			MAGNETOS (L/H MODEL # 4371 S/N 97080569) AND (R/H MODEL # 4370 S/N 97080424). INSTALLED NEW SKYTRONICS IGNITION HARNESS ASSY. CARBURETOR MODEL # MA-4-5 P/N 10-5193 S/N CP-0-265 (CODES V-MF) WAS DISASSEMBLED, CLEANED,	
			INSPECTED + REWORKED BY INSTALLING NEW METAL FLOAT + MINOR REPAIR KIT. VACUUM PUMP MODEL # 211CC S/N 7C-8766 WAS DISASSEMBLED, CLEANED, INSPECTED + REWORKED BY INSTALLING RAPCO REPAIR KIT # APP-211-212 BAS. OIL COOLER	ASSY. P/N 8406E
			S/N 6618 WAS FLUSHED + REWORKED BY UNITED OF GARLAND, TX (CRS # TEIR 503K) UNDER W/O # STARTER MODEL MZ-4206R S/N F000050 WAS DISASSEMBLED, CLEANED, INSPECTED, RELUBED + REASSEMBLED. ALTERNATOR	ACCESSORY COMPANY 12247 DATED 1/16/98.
			ASSY. WAS DISASSEMBLED, CLEANED + REASSEMBLED. ALL WORK WAS ACCOMPLISHED IN ACCORDANCE WITH LYCOMING DIRECT DRIVE OVERHAUL MANUAL # 60294-7. C/W THE FOLLOWING LYCOMING SERVICE BULLETINS: 240N, 385C SUPP. 1, 400, 455D, 456F, 475B, 505A + 518.	
			OIL PUMP KIT # 05K19423-5 + UERNATHERM VALVE P/N 5L53E19600 WERE INSTALLED NEW AT THIS TIME. COMPLETE LIST OF NEW PARTS INSTALLED WITH PART NUMBERS RETAINED IN AIRCRAFT PERMINATE RECORDS. ENGINE NOT RUN OR RUN IN AT THIS TIME	

Eric A. Design ATP 157622963

MAINTENANCE RECORD

DATE 19 <u>98</u>	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
<u>2/20/98</u>			REF: LYCOMING MODEL: O-360-A4M S/N L-22437-36A TOTAL TIME 2025.0 TIME SINCE MAJOR OVERHAUL "0"	
			THIS ENGINE INSTALLED IN CESSNA 172K (N84794) S/N 17258615 IN ACCORDANCE WITH STC #A 4428 \$W DATED JULY 24, 1987 + STC SA 2196CE DATED AUGUST 6, 1987. ENGINE INSTALLED USING ALL NEW FUEL + OIL HOSES, NEW LORD MOUNTS, REWORKED EXHAUST SYSTEM + ALL REWORKED BAFFLING. ENGINE SERVICED WITH 15W50 AEROSHELL OIL + PRELUBED. ENGINE WAS GROUND RUN, LEAK CHECK + RUN IN IN ACCORDANCE WITH FAR 43.15 (c)(2) AND LYCOMING OVERHAUL MANUAL SECTION 9	
<u>2/20/98</u>			C/W AD 81-18-04R2 BY OIL PUMP REPLACEMENT DURING ENGINE OVERHAUL. C/W AD 96-09-10 BY OIL PUMP REPLACEMENT	<i>Eric A. Design</i> ATP 157622963
			THE FOLLOWING AD'S ARE NOT APPLICABLE TO THIS ENGINE AD 59-10-07, 42-12-05, 95-07-01, 97-01-03 AND 97-15-11.	<i>Eric A. Design</i> ATP 157622963
<u>2/20/98</u>			AD 87-10-06 R1 N/A DUE TO S/N. AD 90-04-06 R1 N/A GOVERNOR NOT INSTALLED. AD 91-14-22 C/W S/B 475B. AD 94-14-13 + AD 95-26-02 N/A TAIL NUMBER NOT LISTED.	<i>Eric A. Design</i> ATP 157622963

INFORMATION

AIRCRAFT:

 MAKE CESSNA 184794 MODEL 172K S/N 17258615
ENGINE:

 MAKE LYCOMING MODEL O360-A4M S/N L-22437-36A
PROPELLER:

 MAKE SENSENICH MODEL 76EM814-0-60 HUB S/N 31289K

BLADE MODEL _____ #1 S/N _____ #2 S/N _____ #3 S/N _____

ACCESSORIES:

 MAGNETOS: MAKE SLICK MODEL: LH 4371 RH 4370 S/N: LH 97080569 RH 97080424

 STARTER: MAKE PRESTOLITE MODEL MAZ4206R S/N 7-000050 VOLTS 12

ALTERNATOR: MAKE _____ MODEL _____ S/N _____ VOLTS _____

 VACUUM PROP: MAKE A. ROORNE MODEL 211 CC 215CC S/N 7C-8766

 PROP GOVERNOR: MAKE N/A MODEL _____ S/N _____

 CARBURETOR: MAKE MA4-5 MODEL 10-5193 S/N CP-0-265 100

MAINTENANCE RECORD

DATE	TOTAL TIME IN SERVICE		DESCRIPTION OF THE WORK PERFORMED	AUTHORIZED SIGNATURE, CERTIFICATE TYPE & NUMBER
	HOURS	10ths		
19 <u>98</u>				
2/20/98			REF: LYCOMING MODEL: O-360-A4M S/N: L-22437-36A ENGINE TOTAL TIME SINCE NEW: 2025.0 ABOVE REFERENCED ENGINE WAS COMPLETELY DISASSEMBLED,	
			CLEANED, INSPECTED & DIMENSIONALLY CHECKED FOR MAJOR OVERHAUL ALL STEEL PARTS WERE MAGNAFLUXED & ALL ALUMINUM PARTS WERE ZYGOLOD BY AIRCRAFT ENGINE & ACCESSORY COMPANY OF DALLAS (CRS UI1RS33K) UNDER W/O # 90292 DATED JUNE 27, 1997.	
			CRANKSHAFT P/N 77037 S/N 110888 WAS REWORKED & POLISHED TO -.003" (MAINS & CRANKPINS) BY AIRCRAFT ENGINE & ACCESSORY COMPANY OF DALLAS (CRS# UI1RS33K) UNDER W/O # 90286 DATED JUNE, 11, 1997; INSTALLED NEW CAMSHAFT P/N 5L-18840,	
			8 EA. RECONDITIONED TAPPET BODIES P/N 72877 REWORKED BY AEA (CRS# UI1RS33K) UNDER W/O # 90289 DATED JULY 30, 1997 ALL 4 CONNECTING RODS WERE REBUSHED & REWORKED BY AEA (CRS UI1RS33K) UNDER W/O # 90287 DATED JULY 2, 1997; ALL ROCKER	
			ARMS WERE REFACED, REWORKED & REBUSHED BY AEA (CRS UI1RS33K) UNDER W/O # 90288 DATED JULY 2, 1997. CRANKSHAFT GEAR WAS REWORKED & MODIFIED AS PER LYCOMING SERVICE BULLETIN # 475 BY AEA (CRS# UI1RS33K) UNDER W/O # 90290 DATED JULY 2, 1997.	
			ALL 4 CYLINDERS WERE REWORKED BACK TO STD. BORE (CERMI MILL PROCESS) BY E. C. I. OF SAN ANTONIO, TX. (CRS AG2R689K) UNDER W/O # 61058 DATED SEPTEMBER 8, 1997. ALL 4 CYLINDERS WERE REASSEMBLED USING ALL NEW VALVES, ALL NEW GUIDES, ALL NEW	

OVER →

ENGINE LOG

1

FROM 2/14/77

THRU 2/20/78



ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
2/20/98	ENGINE TOTAL TIME 2025 HRS. FORWARD TO ENGINE LOG #2 Eric R. [Signature] AHP 157622863			
END OF THIS LOG				
Total To Carry Forward				

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
4-8-95	Brought Forward →		4014.7	Installed Rebuilt exhaust on front from Dawley Aviation. Installed with new Blow Proof Gaskets and lock washers. Encl - MTR - Miller Ag P 510702350
12-26-95			4056.3	changed oil and Filter. Serviced with 8 qts Aeroshell 15W50 and new Champion Oil Filter CH48110. Cut open old Filter to check for metal Filter Appears Normal at this time. Removed Bird nest from top of oil cooler and Blew out fins
Total To Carry Forward				

and Remarks	Signature	Certificate No.
9-10-21-96 TAC 4105.7 changed oil and Filter. cut open Filter no metal Noted at this time. Serviced with 8 qts Aeroshell 15W50 and a new champion oil Filter PLU 48110. completed compression check #1 69/100 #2 ⁷³ / ₈₀ #3 ⁷⁴ / ₈₀ #4 ⁷³ / ₈₀ . Tightened Alternator belt Ran engine No oil leaks noted around Filter or drain Plug at this time. MTR - MTR Ag P 510702350		
4-7-97 TACH 4128.0 2025 T.T.S NEW 8 lbs powerjet removed for overhaul the date A.D. 96-09-10 has not been complied with. Ag P 510502350		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
12-19-94	Brought Forward →		Tac 3971.3	changed oil and Filter
				Serviced with 8 qts Aeroshell 15W50 and a New champion oil Filter #N CH48110
				cut open filter check for metal appears normal at this time. installed a New champion oil Filter #N CH48110. installed two new grommets on carburetor heat shaft #N AN 931-5-9. Carb heat control works properly at this time.
				Ran engine up for leak checks no leaks noted at this time.
		End	510707340	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
4-7-95 4014.1 T.T. 1911.4 510707340 Smith Capt. The Armed Forces School		
FAR 43 App A Checked out & return with 8 qt 15W50 Aeroshell. inspected engine, filter, magnets, secured spark plugs and checked compression. returned magnets to engine. inspected engine controls for security and full travel. secured main & dealer C.O. and magnets for leaks.		
I certify this engine has been inspected and was found in satisfactory condition and was determined to be in satisfactory condition.		
	(Signature)	
NOTE: All 51-18-01 Due @ 7000 T.T.E.		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
4-11-94	Brought Forward →	Tac 3807.9	TTEng 1675.9	
dressed Prop leading edge. Alodined and Painted leading edge. Painted Prop Back with Flat Black				
— End — mitt = mitt ADP 510707350				
7-15-94	Tac 3860.0			
changed engine oil and filter. Serviced with 8 qts Aeroshell 15W50 and a new Champion oil Filter CH48110. Cut open Filter found some metal contamination. Advised owners and will check filter again in 7-9 hrs of flight time and send in a oil analyst and filter element. Engine has 274.0 hrs to TBO. Ran engine up for leak check None Noted at this time				
Total To Carry Forward				
— End — mitt = mitt ADP 510707350				

and Remarks	Signature	Certificate No.
7-16-94 Tac 3800.0 Performed compression check ok this date #172 #274 #376 #474		
— End — mitt = mitt ADP 510707350		
9-1-94 Tac 3919.0		
changed oil and filter. Serviced with 12 qts aeroshell 15W50 and a new champion oil filter PN CH48110. cut open filter found little metal metal. will send in filter for analysis. Ran engine up for leak check none noted at this time.		
— End — mitt = mitt ADP 510707350		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3-18-94	Brought Forward →		TACH 3800.7	DATCON HOUR METER
			DATCON HR MET 4459.4	STICKING - REPLACED WITH NEW HOBBS METER S# 85000-12 - NO NEW WIRING REQUIRED <i>J.P. Wood</i> 252-92-1764
Total To Carry Forward				

and Remarks	Signature	Certificate No.
<p>4-11-94 Tach 3808.9 TTENG 1675.9 changed oil and Filter serviced with 8 qts Acrosshell 15W50 and new CH88110 oil Filter. Complied with AD 84-26-02 by installing a new Paper Air Filter due again at 4308.9 hrs. cleaned, gapped, inspected, and tested spark Plugs. all test OK this date. cleaned Fuel Strainer ea Screen and Fuel Pump Screen. checked and adjusted Magneto to Engine timing to correct speed. Performed compression test #168 2.76 3.76 4.74. Post inspection Purup shows no leaks and systems performing OK.</p>	<p><i>J. Johnson</i></p>	<p>447742765 JA</p>

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8/30/93	Brought Forward →		3692.96	Change oil & Filter.
Add 8 QTS Shell 15W-50. INSTALL New CH48110 Filter - old Filter cut open - appears normal. Ran up - check for leaks - no leaks. Robert H Dorsey A/P 381607547.				
11/15/93			3731.52	Installed fanis heater system. Install <u>new</u> Rear Muffler Assy (Dawley), change oil and filter - add 8 QTS Shell 15W-50 - Champion CH48110. Wash engine down with solvent - ran up and no leaks noted. Cut open filter - appears normal.
Total To Carry Forward				Robert H Dorsey

and Remarks	Signature	Certificate No.
2-2-94 - Tac 3779.1 changed oil and filter. serviced with 8 QTS A eroshell 15W50. Installed champion 6H 48110 New oil filter. cut open old filter and filter element appears normal. Ran engine for leaks check no leaks noted this time. also gapped and & leaned, and tested spark plugs.	Errol	Michael Mitchell A/P 510707380
2-15-94 Tac 3790.5 gapped and installed eight New champion REM 37BY spark plugs	Errol	Michael Mitchell A/P 510707380

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5-18-92	Brought Forward →	3431	TACH	Changed oil & filter CH48104, w/ Aeroshell 15W/50. Tighten and replace water box cover screws. Cleaned starter / magnets with contact pen. Serdies bulb, lubed starter/belt. Run - read back check. OK. J. Grogg AWP 50376297
2 AUG 92		3489.97	TACH	1386.97 TIENG DRAINED OIL, OLD FILTER SHOWED NO CONTAMINATION, INSTALLED NEW CH48104 FILTER, + SERVICED ENG. W/70TS AEROSHELL 15W/50 OIL. CLEANED ENG. + CONK. RUN UP WAS NORMAL W/NO LEAKS DETECTED AT THIS TIME. J. Grogg = J. Grogg AWP 357629958
Total To Carry Forward				

and Remarks	Signature	Certificate No.
11-9-92 Tach 1545.9 Changed oil & filter - Shell C.H 48110 7,1/4	J. Grogg	15650
20 MAR 93 TACH 3571.89, 1468.89 TIENG REMOVED, CLEANED, GAPPED, TESTED, + REINSTALLED SPARK PLUGS W/NEW M674 COPPER WASHERS. REMOVED VAC. PUMP + REPLACED DRIVE SEAL W/P/N OIL 199.56 SEAL. REINSTALLED VAC. PUMP + PAD W/NEW P/N MK 9134-01 + G1183 GASKETS. CLEANED ENG. RUN UP WAS NORMAL W/NO LEAKS DETECTED AT THIS TIME. J. Grogg = J. Grogg AWP 357629958	J. Grogg	

ENGINE LOG

Page 1 of 2

3-4-92

Hobbs 3985.5

TACH 3395.0

TTENG 1292.0

PAGE AVJET AIRPORT SERVICES INC

923 East Layton Avenue

Milwaukee, Wisconsin 53207

Repair Station #XPVR060L

Engine Log Book Insert

WO# 01282

PA28-181,N3009U

LYC. 0-360-A4M

S/N L22437-36A

- 1) Completed a 100hr/annual inspection using a PA28-181 inspection form.
- 2) Change oil & filter, cut & inspected old filter added Aeroshell 15W50 oil and lycoming additive P/N LW-16702.
- 3) Compression #1 70/80 #2 73/80 #3 73/80 #4 75/80
- 4) Installed all new champion spark plugs P/N REM-37BY
- 5) Installed a new left slick magneto P/N 4372 using new gaskets and set mag to engine timing.
- 6) Installed all new rocker box cover gaskets P/N 75906
- 7) Installed all new exhaust gaskets P/N 77611, using all new nuts P/N STD 1410 and one new stud P/N 31C12.
- 8) Installed a new nut on #2 upper spark plug lead
- 9) Installed a new forward crankcase/crankshaft seal P/N LW13792
- 10) Cleaned fuel gaskelator, fuel pump screen, and drained carburator bowl.

Continued Page 2 of 2

PAGE AVJET AIRPORT SERVICES INC

923 East Layton Avenue

Milwaukee, Wisconsin 53207

Repair Station #XPVR060L

Engine Log Book Insert

- 11) Washed engine, performed run up, found operations and leak check satisfactory. Lubed engine controls

-----END-----

It is certified that this, ~~aircraft~~ (engine) has been inspected in accordance with a 100HR/ANNUAL inspection and was determined to be in airworthy condition. Pertinent details of this inspection are on file at this agency under work order No. 01282
 Tach. 3395.0 Hrs. Date 03-04-92
 Total Time ENG. 1292.0
 Signed William J. Hewitt

FOR
 PAGE AVJET AIRPORT SERVICES INC.
 GENERAL MITCHELL FIELD
 FAA Approved Repair Station No. XPVR 060L

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
22 April 90	Brought Forward →			
			TACH & Total Time 1117.9	
			Changed Oil - 6 Quarts 15/50 Aeroshell	
			Randal J Gascon	
24 May 90				
			Tach & Total Time 1170.5	
			Changed Oil - 6 And Filter	
			7 Qts. 15/50 Oil - CH 48103 filter	
			Randal J Gascon	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
19 June 90 — Tach & Total Time		
1222.4		
Changed Oil - 6 Qts. 15/50 Aeroshell		
Randal J Gascon		
INTENTIONALLY LEFT BLANK		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
May 15, 87	T.R. 898.8			oil & Filter changed (Shell W 50-100) Comp. check #1-75 #2-76 #3-76 #4-76/80 Exhaust System checked. Plugs Picked & Rotated magneto & Timing checked. BRACKET air inlet Filter Flm. INST. -
				I certify that this ENGINE has been insp with an ANNUAL and determined condition.
				Goodworth Rod F. Arnold Inspector
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Apr. 5, 1989. T.R. 919.13 Compression checked #1-74, #2-76, #3-74, #4-76/80 Plugs Rotated, Magneto & Timing checked & set. oil & Filter changed (winter wt.) exhaust system checked. engine controls checked - Fuel System (EZRB) & STRINGS Drained & checked.		
		I certify that this ENGINE has been inspected in accordance with an ANNUAL inspection and determined to be in Goodworth condition.
	Rod F. Arnold	
	Rod F. Arnold A/P 756246 Inspector, Authorization	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition. Time in service: <u>305.2</u> Date: <u>10/19/82</u> In addition to <u>ANNUAL</u> inspection the following maintenance was performed.				
Signed: <u>John W. Dardine IA 262312448</u>				
A/C Total Time	<u>305.2</u>			
Eng. Total Time	<u>305.2</u>			
Eng. T. S. M. O. H.	<u>N/A</u>			
Tach Time	<u>305.2</u>			
	392			
	305			
	87			
Total To Carry Forward				

(1) Compression Test #1-75, #2-76, #3-75, #4-72
 (2) changed oil + filter serviced with CH 48110 oil
 filter + 9qt AS100W oil
 (3) Retuned both magnetos to engine
 David Payne
 A&P 253964304

Date 10/26/82 T.T. 392.34 Hr. Meter or Tach. Indication _____ TSMOH _____ TSTOH _____ Engine Inspection Performed in Accordance With FAR PART 43. Engine Compartment Engine Mount Engine Controls Cowling Cleaned Fuel Injector Nozzles Cleaned & Gapped Spark Plugs Checked & Cleaned Air Filter Cooling Baffles Cylinder Base Studs, Crankcase Bolts & Nuts Intake & Exhaust Systems Oil Screens Oil Filter Changed Old Filter Element Checked Fuel Sumps Drained and Checked Fuel Screens Checked Magneto Points & Timing Checked Carburetor Heat Checked Prop Governor Checked Prop Condition Check Nicks Removed From Prop Leading Edges Differential Compression Check as follows: #1/80, #2/80, #3/80, #4/80, #5/80, #6/80, #7/80, #8/80, #9/80. AD Compliance List at Rear of Log. AD Compliance Check Through Issue 83-18 I Certify That This Engine Has Been Inspected In Accordance With Annual Inspection and Was Found to be in Airworthy Condition. Signed John Dardine A&P # 195158914

- Air Cleaner element replaced A48C used
 - 8qt's Shell 15W50 & A 48110 oil filter used

ENGINE LOG

N 7636F

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
October 13, 1980				
	Brought Forward →			
Recording tach 213.7 T.T. 213.7 Compression test results ① ¹⁴ / ₈₀ ② ¹⁴ / ₈₀ ③ ¹⁵ / ₈₀ ④ ²⁵ / ₈₀ Changed Oil & Filter Serviced with Rexoshell (4000) W-80 I certify that this engine has been serviced and inspected in accordance with approved forms for a 100 HR check of annual and was determined to be in airworthy condition. Checked & C/P'd AD thru B W 80-21. None applicable on Eng. See AD list in back of log book. By CW [Signature] AIP 103364851				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Sept 16, 1981 TACH 239.75 T.T. 239.75 Compression test ① ¹⁵ / ₈₀ ② ¹⁴ / ₈₀ ③ ¹⁴ / ₈₀ ④ ²⁵ / ₈₀ Changed Oil & Filter. Phillips 20W/50W Oil. I certify that this engine has been serviced & inspected in accordance with approved forms for a 100 HR and was determined to be in airworthy condition. Checked & C/P'd AD thru B W 81-15. See AD list & method of compliance in back of airframe log book.	[Signature]	AP 1844135

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
June 28-1978	50 hr. check completed this date.			
	Tech Reads 142 hours Oil changed - Filter			
	changed plugs cleaned and gapped Mag			
	Timing checked Exhaust system repaired.			
	Engine found to be okay and airworthy			
	Leonard Schauer			
	JF 1311686			
Total To Carry Forward				

