

ENGINE LOG											
DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
7/17/96									TACH 12.8	(CONT)	
B EA. SPARK PLUGS REM 38E WITH NEW ONES - CHANGED OIL 9PTS 100W MINERAL OIL (SHELL) - INSTALLED NEW BRACKET AIR FILTER # 6V08 - COMPRESSION ON ALL CYLINDERS 100 OR ABOVE - NO LEAKS AT THIS TIME INSTALLED NEW 776N EXHAUST GASKETS ON MUFFLER SYSTEM - CHECKED MAG TIMING + CHECKED MAG SWITCH FOR PROPER OPERATION - MAG DROP 75 R.P.M BOTH L+R POSITIONS - REPLACED ALL CAPS AIR BOX WITH NEW - REPLACED ALL											
SCAT HOSES IN ENGINE COMPARTMENT. SECURED ALL HOSES AND LINES WITH CLAMPS + TY-WRAPS AS NEEDED. RIGGED ALL ENGINE CONTROLS + TROP AS NEEDED AND INSTALLED LARGE AREA WASHERS AND CASTLE NUTS + COTTER PINS AT ALL LOCATIONS REBUILT FUEL STRAINER + INSTALLED NEW O-RINGS ENGINE TEST RUN - RUN UP OK - NO LEAKS AT THIS TIME - THIS ENGINE IS APPROVED FOR TEST FLIGHT Richard L Code A+P 2159311											
Brought Forward: <small>Standard England L21063-30A Page 50</small> (CONT)											

7-23-96									TACH 14.5	
AIRCRAFT FLIGHT TESTED ON 7/21/96 SEE AIRCRAFT LOG #3 N3087U - FLIGHT TEST OK Richard L Code A+P 2159311										

DATE	GROUND	AIR	HR.	TIME	NUMBER
7-23-96				TACH	14.5
<p>THIS ENGINE WAS INSPECTED I/A/W AN ANNUAL INSPECTION AS PER MANUFACTURERS INSTRUCTION + FAR 43 APPENDIX D - COMPRESSION ALL CYLINDERS 76/80 OR ABOVE - C/W A.D. 86-24-07 BY INSTALLATION OF LARGE AREA WASHERS, CASTLE NUTS + COTTER PINS C/W A.D. 96-09-06 BY INSPECTION - CHECKED A.D.'S THRU BI-WEEKLY 96-13 FOR COMPLIANCE - THIS ENGINE IS APPROVED FOR SERVICE.</p> <p>Richard L Cade A+P 2159311</p>					

DATE	GROUND	AIR	HR.	TIME	NUMBER
7-23-96				Tach	14.5 hrs.
<p>This engine inspected in accordance with an annual inspection and determined to be in airworthy condition. Alan E. Bode 40684881 OIA</p>					

CADE AVIATION ENTERPRISES
HANGAR # 6 SHELBYVILLE MUNICIPAL AIRPORT
2828 HWY. 231 N. SHELBYVILLE, TN. 37160
HANGAR 615-680-0098

N 3087U Tach 0065.12 TTSMOH 0065.12 09/18/97

This Engine has been inspected I / A / W an annual inspection as per manufactures Instructions and F.A.R. 43 Appendix D. and is determined to be in Airworthy condition. Compression on all cylinders is 77/80 or above. Cleaned all spark plugs, drained oil sump, Changed oil filter, cut old filter open , no metal present, refilled sump with 8 quarts of Aeroshell 15 w 50 oil. Took oil sample for analysis. Changed air filter, complied with A.D.'s Thru Bi-weekly 97-17. See Aircraft records for a complete listing of A.D.'s. This Engine is Approved for return to service. END

Signed Richard L. Cade IA 2159311
 Richard L. Cade

DATE	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	TACH	SMOH
JAN 21, 1998							71.25	71.25

THIS DATE #1 CYLINDER WAS REMOVED + REPLACED DUE TO CRACK IN CYLINDER REPLACED WITH NEW RECHROMED ASSEMBLY STD. IN SIZE - DRAINED OIL SUMP + INSTALLED 8 QUARTS OF MINERAL 40WT AEROSAEN - CHANGED OIL FILTER - THIS ENGINE IS APPROVED FOR RETURN TO SERVICE - TEST RUN OK

R. L. Cade
IA 2159311

BOUGHT FORWARD
TOTALS

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CADE AVIATION ENT.
HR 6 SHELBYVILLE AFB
SHELBYVILLE TN 37160
931-680-0098

DATE	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	TACH	SMOH
1-26-98							88.0	88.0
Tach 88.0, SMOH 88.0, Changed engine oil, added 8 quarts Aerokoll 80 mineral oil. Installed new CH48109 filter, checked oil filter for contamination, none found. Adjusted both mag's to 25° BTG. Cleaned #9 bottom spark plug. Sealed 2 bolts on porting surfaces of engine on top for oil leak. Kent Anderson A+P 503867589 IA								
5-18-98							131.0	131.0
Tach 131.0, SMOH 131.0, changed engine oil, added 8 quarts Aerokoll 15W50, changed oil filter w/ CH48109, old filter checked for contamination, none found. Installed REM 40E spark plug (8). Kent Anderson A+P 503867589 IA								

DATE	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	NUMBER
5-11-78			138		138				
Tach 138, S.M.O.H 138, Installed overhauled starter PIN MZ4222, SIN A129025. Overhauled by Aero Electra U.O. A-147781. Kent Anderson ATP5038675692A									
16 July 98			175		175				
Tach. 175.92 S.M.O.H. 175.92. Drained oil, Removed Filter, Comp. 1-74.3-75.2-74.4-74/60. Cleaned gapped Rotated Plugs. Cleaned Fuel Screens, Checked Exhaust & Induction Systems lubed Eng. Controls, Checked General Security, Added 8 qts 15W50 Aeroshell, Replaced oil filter CH48109, torqued Acc Case. I certify that this engine has been inspected in accordance with a 100 hr insp and was found Airworthy Yuh Chyr ATP 504449113									
BROUGHT FORWARD									

DATE	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	NUMBER
8-25-98			252		252				
Tach 252.7, S.M.O.H 252.7, changed engine oil and filter. old filter checked for contamination, none found, new CH48109 oil filter installed. 8 quarts Aeroshell 15W50 added. Air filter BA-6108 installed. Kent Anderson ATP5038675692A									
9-25-98			299		299				
Tach 299:76 S.M.O.H 299:76 Comp 1-70.3-74.2-76.4-74/60. Changed oil, Added 8 qts 15W50, CH48109 Filter. Cleaned gapped Rotated plugs. Cleaned Strainer/Bowl Screen, Checked Exhaust & Induction Systems, Checked General Security. Cleaned engine. I certify that this engine has been inspected in accordance with a 100 hr insp. and was found Airworthy Yuh Chyr ATP 50484923									
BROUGHT FORWARD									

	GROUND	AIR	HRS.	MIN.	HRS.		
10-24-98	Tach	328.87	SmOH	328.87	Changed engine oil, added 8 quarts Acrosheff 15W50. Changed oil filter PIN CH48109, old filter checked for contamination, none found. Kurt Anderson A+PS038675692A		3
12-22-98	Tach	361.59	SmOH	361.59	Changed engine oil, added 8 quarts Acrosheff 15W50. Changed oil filter PIN CH48109, old filter checked for contamination, none found. Oil Sump screen cleaned. Kurt Anderson A+PS038675692A		

3/1/99	Tach	385.2	SmOH	385.2	T.T.S.N. 4976.0	DRAINED oil Added 8 QTS AERO 15-50 Chgd oil FILTER, insp ELEMENT For CONTAMINATION NONE FOUND IAS03661228 James R Wilson	
4/14/99	Tach	388.6	SmOH	388.6	T.T.S.N. 4979.4	DRAINED oil Added 8 QTS AERO 15-50, Chgd FILTER CH48109 And insp ELEMENT - OK IAS03661228 James R Wilson	

DATE	R. P. F.		GROUND				REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.			
5/22/99	TACH		407.7	SMOOTH	407.7	ENG TI. 4998.5	DRAINED OIL ADDED 7 QTS AERO 80 W INSP'D OIL FILTER FOR CONTAMINATION - OK - REMOVED 1# CYL FOR LOW COMPRESSION INSTALLED NEW MILLENNIUM CYL. PIN SL3600W-A20P SER# 36W-H98 ALL SEALS GSKTS CHGD, ALL EXHAUST GSKTS REPLACED COMP AS FOLLOWS: NEW/80 76/80 70/80 70/80		
							I CERTIFY THE ENG WAS INSP'D I.A.W FAR 43. APP'D" AND WAS DETERMINED TO BE IN AIRWORTHY PER A <u>ANNUAL</u> INSPECTION TAS03661228		
							<i>James R. Allen</i>		

DATE	R. P. F.		GROUND				REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.			
4/17/99	TACH		438.7	ADJD	438.7	ADJD IDLE MIXTURE PER SERV. MANUAL INSTALLED NEW EXHAUST GSKTS ON #2 #4 CYL. DEGREASED ACCESSORY CHASE, INSTALLED NEW GOVERNOR GSKT GROUND RUN, LEAK CHK SATISFACTORY			
							TAS03661228 <i>James R. Allen</i>		
7/8/99	TACH		452.5	SMOOTH	504.3	ENG TI. 5043.3	UNCOWLED ENGINE DRAINED OIL ADDED 8 QTS AERO 15-50, CHGD FILTER INSP'D ELEMENT FOR CONTAMINATION - OK -		
							TAS03661228 <i>James R. Allen</i>		

DATE	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	REMARKS	SIGNATURE	LICENSE NUMBER
8-18-94							TACH 502.6 SMOH 502.6 ETI 5093.4 DRAINED OIL, Add 7 QTS AERO 100 W chgd FILTER CH48109 insp'd ELEMENT - OIL - Removed #3 CYL For LOW COMPRESSION, INSTALLED NEW MILLENNIUM CYL ASSY PIN \$L36000W-ADP SER# 36W-H98-3889 ALL SEALS & PISTONS Replaced, comp CHK (warm) 76/80 78/80 NEW/80 74/80 I CERTIFY THIS Eng was insp'd I.A.W 100 HR INSPECTION PER FAR 43 App'D AND DETERMINED TO BE AIRWORTHY IAS03661228 James R Ahler		

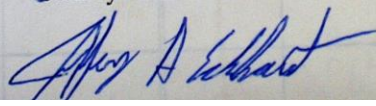
DATE	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	REMARKS	SIGNATURE	LICENSE NUMBER
9/11							TACH 519.4 SMOH 519.4 Removed #4 CYL For EXHAUST CRACK INSTALLED REPAIRED CYL BY CENTRAL CYL, ALL PISTONS & SEALS GROUND RUN & LEAK SATISFACTORY REMOVED STARTER INSPI'D & REINSTALLED (REPAIRED CYL 500.0 SMOH) IAS03661228 James R Ahler TAG in BACK OF LOGS		
9/22/99							TACH 535.5 SMOH 535.5 ENG T. 5126.3 DRAINED OIL Add 8 QTS AEROSHELL 80W NEW champion FILTER INSTALLED, OLD ELEMENT INSPI'D FOR CONTAMINATION - NONE Found AT THIS TIME IAS03661228 James R Ahler		

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INSPECTION			DATE	REPAIRED BY
DATE	INSPECTED BY	CONDITION	DATE	REPAIRED BY
2-16 2000	TACH 590.5	SMOH 590.5	ENGT 5181-3	DRAINED oil added 8 QTS Aero Shell 15W-50. NEW FILTER INSTALLED CH48109 insp'd old ELEMENT FOR CONTAMINATION - OK - IAS03661228 James R Ahlman
5/12 2000	TACH 614.9	SMOH 614.9	ENATT 5205.7	DRAINED oil Added 7 QTS AERO SHELL 15W-50 NEW FILTER INSTALLED CH48109 Insp'd old ELEMENT, some small CHROME PARTICLES FOUND. ADVISED OWNER WILL REINSPECT IN 10 FLIGHT HRS. Comp 7/4/80 7/4/80 7/7/80 7/11/80 LUBED CONTROL Cable Rod ENDS cleaned & gapped Plugs. Repaired CRACK IN R7 FRT BARKLING I CERTIFY THIS ENGINE WAS INSPECTED I.A.W ANNUAL INSPECTION and WAS DETERMINED AIRWORTHY James R Ahlman IAS03661228

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7/19/00	SMOH TACH 641.7	UNCONC'D	ENGINE DRAINED oil Added 7 qts AERO 15W-50, NEW FILTER INSTALLED CH48109 insp'd old ELEMENT FOR CONTAMINATION NONE FOUND (OIL SAMPLE PENDING)	IAS03661228 James R Ahlman
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8-8-2000 N3087U TACH 677.63
 Changed oil & filter, serviced with 9qts areoshell
 15-50, installed new oilfilter CH48109. Test run & leak check
 ok.
 Jeffery A. Eckhardt A&P 506789436


DATE	INSPECTED BY	CONDITION	REPAIRS MADE
8/24 2000	Tach 701.0	Uncoiled engine, drained oil. Removed Oil Filter + Checked For	Added 9qt Aeroshell 15w-50. Contaminates. None Found.
	Installed new Filter CH48109	Removed Oil Cooler + Installed New Cooler P/N 840R S/N 8995. Performed Ground Run + Checked For leaks. None Found.	
			Matt Harnwell ATP 50494436
6801	Tach 738.72 S.M.O.H 738.72	Eng TT 5329.6	
		Uncoiled, Drained oil. Changed Filter. CH48109. Serviced w. 8qts 15/50 Shell. Comp 1-76, 3-76, 2-76, 4-76/80. Cleaned Rotated plugs. Checked Exhaust S Induction. checked Control travel, Checked General Security Replace Air Filter.	
	IAW 100 hr Insp And	I certify that this engine has been inspected and was found Airworthy	Up Matt Harnwell ATP 50494436

04/08/02 762 TACH N3087U
 changed oil & filter ASISW50
 Test Ran NO leaks.

[Signature]

NORTHWEST AERO SERVICES, INC.
 Route 5, Box 41 Phone 233-4531
 Enid, Oklahoma 73701
 FAA REPAIR STATION NO. HGNRO57K

AP526871361 IA

INSPECTION			DATE	REPAIRED BY	REPAIRS MADE
07/17/02	792 TACH 792 TSMOH 5373 TTE		100 hr.	inspection completed this date IAW Lycoming Service Manual. Replaced all spark plugs. Checked timing & compression. #1 74 #2 72 #3 76 #4 76. Lubed control cables. Replaced air filter. See A/F log for AD's w.o. # 11449	
					I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr. INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.
				<i>[Signature]</i>	AT 526871361 IA

DATE

8/10/05

945 TACH 100 hr. inspection completed then data FAW Cessna Service Manual. Lubed control cables, Replaced carb heat cable, changed oil & filter AS15W50. checked Timing & compression, cleaned & gapped plugs. all cylinders 78/60 replaced air filter. See AF log for AD compliance. Work order # 12117.

NORTHWEST AERO SERVICES, INC
Route 5, Box 41 Phone 233-4531
Enid, Oklahoma 73701
FAA REPAIR STATION NO. HG1R057K

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr. INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

When APS26871361

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9/25/2006 - 966.8 tach - known engine due to prop stroke inspected FAW service Bulletin 47513 and service bulletin 533A no defects found. Installed new crank shaft per PN# 13319646, lock Plate PN# 3W-18639 and Bolt PN# LW25-0.94. Reinstalled engine FAW Cessna service manual. 100 hr inspection complete at this time FAW Cessna service manual, checked timing, cleaned & gapped spark plugs, changed oil & filter, and lubed engine control see airframe log for AD compliance. Installed zero time prop from Partzick see prop log. Checked compression all cylinders 75/60 or higher. Test run good

NORTHWEST AERO SERVICES, INC.
Route 5, Box 41 Phone 233-4531
Enid, Oklahoma 73701
FAA REPAIR STATION NO. HG1R057K

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.

Jeff APS 2784130

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Engine Record General Information

Manufacturer LyL Model 0360 A1A
 Serial L-21863-36A Type Certificate
 This engine is currently installed in aircraft N7811X

YEAR: 2007 DATE	RECORDING TACH TIME	LOCAL FLIGHT	TIME IN SERVICE	REMARKS
3/13	1064.4			<p>100 hr insp. completed this date IAW Cessna service manual. Changed oil + filter. cleaned and gaped plugs. checked timing. see Airframe log book for AD compliance. all cylinders were 75/80 or better. ground Run test good.</p> <p>I CERTIFY THAT THIS <u>Engine</u> HAS BEEN <u>insp.</u> INSPECTED IN ACCORDANCE WITH A <u>100 hr.</u> INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION.</p> <p><i>Li Longshui</i> ATP 2857005</p>

DATE	RECORDING TACH TIME	LOCAL FLIGHT	TIME IN SERVICE	REMARKS
8/10/07	1111			<p>Removed engine due to prop strike inspected IAW SB 475C and SB 533A no defect found. installed new crankshaft gear PD # 15S19646, lock plate PD# LW-18639 and bolt PD# LW25-0.94 Reinstalled engine IAW Cessna Service manual. Removed prop now - repairable.</p> <p><i>[Signature]</i> ATP 002919292</p>

YEAR: 2007	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 8/15/07	1111	3010 hr		100hr Inspection completed this day IAW Cessna & Lycoming Service manual. Claws & gaped plugs, compression all cyl. 70/80 or greater, timing check ok & log, ground test ops okay. See back of A/C log book for AD compliance list. I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION Justin Ryan Palmer AP 002919292

DATE 11/16/07	Tach 1111.4			total time Engine 5701.8 hrs. TSMOH 1111.4 Run up check good. date 11-16-2007 Tach 1111.4 See AD List for complete AD compliance found to be in Airworthy condition. I certify that this Engine has been inspected in accordance with a 100 hr inspection and found to be in Airworthy condition. 1721148 Signed Dennis Welch
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YEAR: 2008	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 4/24	1163.7			CHANGED OIL & FILTER AEROSHELL 15/40 D. Rapp

YEAR: 2009	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 01/20	1178 TACH 1178 TSMOH 5768 T Engine 1213 oil due			100hr/Annual inspection completed this date IAW Lycoming service manual. Checked timing and compression, all cylinders 70/80 or above. Replaced magneto gaskets & prop governor gaskets for oil leaks. Replaced all alternator attachment brackets & hard ware, Replaced muffler & exhaust gaskets with new, Replaced air filter, Test ran, all ops OK. See AD list for compliance. AP 526871361 IA

YEAR: 2010	RECORDING TACH TIME	TOTAL FLIGHT	TIME IN SERVICE	Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
04/02	1254	TACH		100hr/Annual inspection completed this date IAW Cessna Service Manual. Checked Timing and compression all cylinders 70/80 or above. Replaced air filter, oil filter bracket, checked primer line. Painted eng. mount as required. See rear of AF log for AD's. Test pan, all ops OK. <i>[Signature]</i> AP526871361 IA
	1254	TSMOH		
	5844	TTE		
7/30/10	1269		5859	CHANGED OIL & FILTER ARROSHELL 15/40 <i>[Signature]</i>

DATE				
06/29/2011	1315	TACH		100hr./Annual inspection completed this date IAW Cessna service manual and Lycoming service manual. Checked Timing and compression all cyls. 68/80 or above. Changed oil & filter ASISW50. Test pan engine. Cleaned & gapped spark plugs. AD's checked through B/W 11-06. AD 092612 N/A ECI cyls. not installed. Inspected IAW a 100hr/Annual inspection, found to be in air worthy condition. <i>[Signature]</i> AP526871361 IA
	1315	TSMOH		
	5905	TTE		

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.)
07/25	1333.7	TACH		100 hr/Annual inspection completed this date IAW Cessna Service Manual. Checked Timing and compression. #1 72 #2 70 #3 72 #4 72. Lubed control cables and ends. Removed oil reservoir and replaced gasket. Replaced both magnetos with new. Ser #'s: 12060599 & 12051802. changed oil and filter A\$15W50. Cleaned & gapped spark plugs. Test ran eng. ops OK. <i>MW</i> AP 2724810 IA See Air frame log for AD compliance.

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.)
09/27	1335.0	TACH		Dissassembled engine due to crank case crack. Replaced crank case/crank shaft/lifters and connecting rods with serviceable yellow tagged parts. Replaced connecting rod bolts, main and rod bearings with new. Assembled engine and serviced with A\$15W50 and cam guard. Installed engine and test ran. All ops OK. <i>MW</i> AP 2724810 IA

YEAR: 2014 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.)
07/27	1344	TACH		Annual/100 hr inspection completed this date IAW Cessna Service Manual. checked timing and compression. #1 72 #2 74 #3 74 #4 72. Lubed control cable ends. Test ran, all ops OK. <i>MW</i> AP 2724810 IA

7/2/2016

N3087U

Cessna 172E

Engine Logbook

Tach Hours: 1351.94

Completed 100 hour inspection in accordance with manufacturer's service manual. Checked timing and compression. 1) 76 2) 76 3) 76 4) 74/80 psi. Replaced vacuum pump with new. Lubricated engine control cables. Cleaned and gapped spark plugs.

I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Signed _____

James Wrenn AP2724810IA



3/7/2017

N3087U

Cessna 172E

Engine Logbook

Tach Hours: 1371.05

Performed oil and filter change in accordance with the manufacturer's maintenance manual. Installed 7 quarts of Aeroshell 15W50 Oil, one pint of CamGuard, and one AA48109 oil filter. Washed engine, run up and checked for leaks.

The above work was completed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service for the work accomplished.

Signed _____

James Wrenn A&P 2724810 IA



6/10/2017

N3087U

Cessna 172E

Engine Logbook

Tach Hours: 1379.52

Completed 100 hour inspection in accordance with manufacturer's service manual. Checked timing and compression 1) 76 2) 76 3) 78 4) 74/80 psi. Lubricated engine control cables. Cleaned and gapped spark plugs. Replaced engine air filter with new.

I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Signed _____

James Wrenn A&P 2724810 IA



11/5/2020

N3087U

Cessna 172E

Engine Logbook

Tach Hours: 1389.84

100 Hour Inspection completed this date in accordance with Cessna Maintenance Manual and 14CFR Part 43 Appendix D. Checked magneto timing (re-timed mags to 25 degrees) and engine compression #1 78/80, #2 78/80, #3 74/80, #4 72/80.

Changed oil and filter with 7 quarts of AeroShell W100Plus engine oil and one AA48109 oil filter. Test ran engine, no leaks.

Replaced air filter with new.

Removed starter PN PM1201-H, SN 85052703. Installed new SkyTec 149NL starter. Re-routed starter power wire and wrapped with rubber hose and zip ties in sections to prevent rubbing and chafing. Installed SkyTec warning decal on instrument panel.

I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.

Signed

James Wrenn A&P 2724810 IA



5/1/2023

N3087U

Cessna 172E

Engine Logbook

Tach Hours: 1391.2

100 Hour Inspection completed this date in accordance with Cessna Maintenance Manual and 14CFR Part 43 Appendix D. Lubricated cables, hinges and pulleys. Checked magneto timing and engine compression. 1) 78 78 3) 78 4) 80 PSI.

Changed oil and filter with 8 quarts of X/C 20W50 engine oil and one AA48109 oil filter. Took oil sample and sent to AV Labs.

Replaced all spark plugs with new.

Replaced air inlet filter with new.

I certify that this Engine has been inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition.


Signed

James Wrenn A&P 2724810 IA



YEAR: 2023	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 5/25/23	1438.66			changed oil and filter. X/620W50 oil Test ran, no leaks. <i>[Signature]</i> AP2724810 IA
<i>Engine Removed FROM N3087U</i>				

wo: WO_242 Engine - page 1 of 2



Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847

N7811X **LYCOMING, O-360 Series, S/N: L-21863-36A** **February 26, 2024**
HOBBS: 0.0 TACH: ~~2670.0~~ 2915.73


Removed Lycoming O-360-A1A Engine (S/N: L-21863-36A) from Aircraft N3087U. Engine Removed due to prop strike from windstorm. Complied with AD: 04-10-14C1 and Lycoming SB 475C by replacement of Crankshaft Gear retaining bolt (P/N: STD-2246), and installation of lock plate (P/N: LW-18639). Checked Crankshaft with dial indicator, run out on less than .001 inch. Engine TSMOH 1476.55 hours. Engine Time since disassembly and replacement of Crankcase, Crankshaft, Cam Shaft, Rod Bearings, Main Bearings, Rod bolts and nuts with new; 141.55 hours.

Installed this Lycoming O-360-A1A Engine (S/N: L-21863-36A) Avcon 180 Horsepower conversion kit (S/N: 9167) on Cessna 172B, N7811X, (S/N: 17248311) IAW Avcon STC 807CE. This modification was accomplished per instructions and drawings contained in the STC.

Installed new Sensenich Propeller (P/N: 76EM8S5-0-60).

Modified Cowling with Avcon supplied parts. Installed electric Fuel Boost Pump and engine driven Fuel Boost Pump IAW the STC. Installed Hobbs meter.

wo: WO_242 Engine - page 2 of 2



Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847

I certify that the maintenance identified above was accomplished in accordance with Lycoming Maintenance Manual and is approved for return to service.

James Wrenn A&P IA AP2724810 *[Signature]*

wo: WO_248

Engine - page 1 of 1



Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847

N7811X
TACH: 2917.2

LYCOMING, O-360-A1A, S/N: L-21863-36A

February 26, 2024

100 Hour inspection completed this date in accordance with Cessna Service Manual. Checked Timing and compression. 1) 75 2) 75 3) 74 4) 75/80 PSI.

Changed oil and filter. Serviced with Phillips X/C 20W50 oil.

Lubricated control cables.

Replaced all spark plugs with new.

Cleaned fuel screens. See Airframe log for AD compliance.

I certify that this Engine has been inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition.

James Wrenn A&P IA AP2724810

wo: WO_261

Airframe - page 1 of 1



Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847

N7811X
TACH: 2950.0

CESSNA, 172B, S/N: 17248311

March 26, 2024

Changed oil and filter with 8 quarts of X/C 20W50 engine oil and one AA48109 oil filter.

Left Fuel Tank leaking. Opened wing and tank up for inspection. Removed and repaired tank with B 1/2 sealant. Repaired broken tank retaining strap. Installed tank and filled with fuel. No leaks noted.

I certify that the maintenance on this Aircraft identified above has been accomplished in accordance with Cessna Maintenance Manual and was determined to be in an airworthy condition.

James Wrenn A&P IA AP2724810

wo: WO_283

Engine - page 1 of 1



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N7811X
TACH: 3000.0

Lycoming, O-360-A1A, S/N: L-21863-36A

May 13, 2024

Changed oil and filter with 8 quarts of X/C 20W50 engine oil and one AA48103-2 oil filter.

I certify that the maintenance identified above was accomplished in accordance with Cessna Maintenance Manual and is approved for return to service.

James Wrenn A&P IA AP2724810



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N7811X
TACH: 3012.06

Lycoming, 0-360-A1A, S/N: L-21863-36A

May 29, 2024

100 hour Inspection completed this date in accordance with Lycoming Maintenance Manual and 14CFR Part 43 Appendix D. Lubricated cables, hinges and pulleys. Checked magneto timing and engine compression #1: 68/80 #2: 68/80 #3: 78/80 #4: 66/80.

Changed oil and filter with 8 quarts of Aeroshell 100 engine oil and one AA48103 oil filter.

Cleaned and gapped Spark Plugs.

Cylinder #3 unused fuel primer needs capped. Capped line.

Cylinder #4 oil leaking on intake bolt. Replaced gasket and hardware with new and, reinstalled.

Replaced missing Baffling Hardware with new.

Bottom oil cooler line being cut into by baffling. Applied silicone where needed.

Cylinder #3 had low compression due to piston ring leakage. Removed and honed cylinder. Replaced piston rings with new. Serviced engine with AeroShell 100 break in oil and test ran. No leaks noted. Checked compression: 78/80 PSI. Reinstalled exhaust with new gaskets.



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I certify that this Engine was inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition.

James Wrenn A&P IA AP2724810



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N7811X
TACH: 3062.4

Lycoming, 0-360-A1A, S/N: L-21863-36A

June 19, 2024

Changed oil and filter with 8 quarts of X/C 20W50 Engine oil and one AA48103 oil filter.

I certify that the maintenance identified above was accomplished in accordance with Lycoming Maintenance Manual and is approved for return to service.

James Wrenn A&P IA AP2724810

wo: WO_340

Engine · page 1 of 2



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N7811X
TACH: 3112.32

Lycoming, 0-360-A1A, S/N: L-21863-36A

August 16, 2024

100 Hour Inspection completed this date in accordance with Cessna Maintenance Manual and 14CFR Part 43 Appendix D. Lubricated cables, hinges and pulleys. Checked magneto timing and engine compression 10 68 2) 65 3) 60 4) 76/80 PSI.

Changed oil and filter with 8 quarts of Aeroshell W100 engine oil and one AA48103 oil filter.

Crank shaft seal leaking oil. Removed prop and replaced crank shaft seal with new and installed new crank shaft plug.

Left side baffling missing hardware and broken screws. Replaced all missing or broken hardware with new.

Exhaust muffler cracked.. (Avcon muffler). Removed muffler and replaced with new muffler and new exhaust gaskets.

Right lower engine mount bad. Replaced mount with new.

Cylinder #4 low compression. 35/80. Removed #4 cylinder and replaced with overhauled chrome cylinder.

Three spark plugs bad. Removed and replaced spark plugs with new.

wo: WO_340

Engine · page 2 of 2



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I certify that this Engine was inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition.

James Wrenn A&P IA AP2724810

wo: WO_422

Engine · page 1 of 1



Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847

N7811X
TACH: 3164.02

Lycoming, 0-360-A1A, S/N: L-21863-36A

October 23, 2024

Changed oil and filter with 8 quarts of Phillips X/C engine oil and one AA48108-2 oil filter.

I certify that the maintenance identified above was accomplished in accordance with Lycoming Service Manual and is approved for return to service.

James Wrenn A&P IA AP2724810

Y
D

wo: WO_455

Engine · page 1 of 1



Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847

N7811X
TACH: 3209.74

Lycoming, 0-360-A1A, S/N: L-21863-36A

December 23, 2024

100 Hour Inspection completed this date in accordance with Lycoming Service Manual and 14CFR Part 43 Appendix D. Lubricated cables, hinges and pulleys. Checked magneto timing and engine compression #1: 70/80 #2: 72/80 #3: 60/80 #4: 76/80.

Changed oil and filter with 8 quarts of Aeroshell 15W50 engine oil and one AA48108-2 oil filter.

Removed cracked oil filter mounting bracket and replaced with new.

Removed leaking exhaust pipes and replaced risers and gaskets with new.

Cleaned and gapped spark plugs.

Reset left and right magnetos to 25 degrees.

I certify that this Engine was inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition.

James Wrenn A&P IA AP2724810

E
IA

wo: WO_514

Engine · page 1 of 1



Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847

N7811X
TACH: ~~3027.00~~
3255.86

Lycoming, 0-360-A1A, S/N: L-21863-36A

March 31, 2025


Changed oil and filter with 8 quarts of Phillips X/C 20W50 engine oil and one AA48108-2 oil filter.

I certify that the maintenance recorded above was accomplished in accordance with Lycoming Service Manual and is approved for return to service.

James Wrenn A&P IA AP2724810

out of sequence entry

wo: WO_502 Engine · page 1 of 1



Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847

N7811X *pick invoice in shop 3255-96 Air* **Lycoming, 0-360-A1A, S/N: L-21863-36A** **March 24, 2025**

TACH: ~~3027.03~~

Engine fire on startup. Fire inspection complete no damage noted. Removed carb and sent to back shop for inspection. No defects noted.

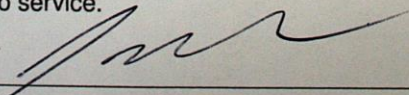
Lower engine air intake mount cracked. Fabricated new mounting plate.

Replaced cabin heat scat hose with new.


Remove exhaust to refit heat shroud and reinstalled exhaust system.

Carb heat catching internally. Removed existing rivets, countersunk, and installed countersunk rivets. Operational check, OK.

I certify that the maintenance identified above was accomplished in accordance with Lycoming Service Manual and is approved for return to service.

James Wrenn A&P IA AP2724810 

wo: WO_563 Engine · page 1 of 1



Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847

N7811X **Lycoming, 0-360-A1A, S/N: L-21863-36A** **July 09, 2025**

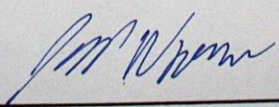
TACH: 3307.52

100 Hour Inspection completed this date in accordance with Lycoming Maintenance Manual and 14CFR Part 43 Appendix D. Lubricated control cables, cleaned and gapped spark plugs. Checked magneto timing and engine compression 1) 78/80 2) 78/80 3) 60/80 4) 78/80.

Removed both magnetos for a 500 hour inspection. Replaced contact points and carbon brushes with new in both mags. Reinstalled and timed to engine. Operational check, OK. No leaks.

Changed oil and filter with 8 quarts of Aeroshell W100 Plus engine oil and one AA48108-2 oil filter.

I certify that this Engine was inspected in accordance with a 100 Hour Inspection and was determined to be in an airworthy condition.

James Wrenn A&P IA AP2724810 

OR
H
E

TAIL#: N7811X

Tach: 3357.26

Date: 10/16/25

The oil was drained and replaced with 8qts of Phillips XC 20W50 and filter replaced with new P/N: AA48108-2, Torqued to 16ft/lb and safty-wired in place. Old filter was cut open and inspected with no metal particles noted. Engine ran with no leaks noted at the oil drain, filler, or filter. This mx was performed as preventative maintenance as approved by part 43 appendix A and is approved for return to service at this time as it relates to the oil change only.

Cameron Thomas & Cameron Thomas, CP 3854821

wo: WO_646

Engine · page 1 of 2



Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847

N7811X

Lycoming, 0-360-A1A, S/N: L-21863-36A

February 06, 2026

Engine SIRAN: 545.78

Engine SMOH: 1880.78

TACH: 3406.99

0-360-A1A Lycoming Engine PN: 0-360-A1A, SN: L-21863-36A,

100 hour inspection completed this date in accordance with Lycoming Maintenance Manual and 14CFR Part 43 Appendix D. Lubricated control cables, cleaned and gapped spark plugs. Checked magneto timing and engine compression cylinder **Cylinder 1: 76/80, Cylinder 2: 72/80, Cylinder 3: 76/80 (After valve lapped in), Cylinder 4: 74/80**

Drained engine oil and removed oil filter. Installed new oil filter and serviced engine with 20W50 oil. Engine ground run performed with no leaks noted at this time. Installed P/N AA48108-2 - Tempest oil filter, Installed (8) P/N 08-05300 - Phillips 66 X/C Aviation Oil 20W50 Quart.

Cylinder #3 had low compression, found exhaust valve seat to be fouled. Lapped valve and valve seat to remove debris. Compression rose to 76PSI.

Replaced both oil cooler hoses with new approved hose and secured to prevent chafing. Hose and connections inspected after run up with no leaks noted at this time. Installed (5) P/N 303-6 - Aeroquip -6 hose.

Replaced cylinder #3 oil drain tube with new. Installed P/N 68761 - Lycoming Cylinder Head Tube Assembly.

Removed and replaced engine oil drain with new approved oil drain. Installed P/N CCA1700 - VALVE, Fuel Drain, 1/2.

wo: WO_646

Engine · page 2 of 2



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I certify that this Engine has been inspected IAW a 100 hour inspection and was determined to be in an airworthy condition.

James Wrenn A&P IA AP2724810

wo: WO_646

Propeller · page 1 of 1



Wrenn Aviation LLC · 1026 S. 66th. St. · Enid, Oklahoma 73701 · 580-478-8847

N7811X
TACH: 3406.99

February 06, 2026

100 Hour Inspection completed this date in accordance with Sensenich Maintenance Manual. Dressed blades and inspected hub. No defects noted at this time.

I certify that this propeller has been inspected IAW a 100 hour inspection and was determined to be in an airworthy condition.

James Wrenn A&P IA AP2724810