

ENGINE DESCRIPTION				
Mfgr.	Lycoming	Place		Date
Type	Opposed	Model	O-360-A1F6D	Serial No. L-22135-36A
Rated H. P.	180	Maximum H. P.	180	Weight (Dry)
Rated R. P. M.	2700	Maximum R. P. M.	2700	Oil Pressure
Bore		Stroke		Displacement
Compression Ratio		Supercharger Ratio		Cu. In.
Propeller	McCaughey	Hub Design	B2W34C211	Hub Serial No. 764045
Blade Design	82PCA-6	Blade Serial		Blade Serial
Maximum Hub H. P.		Maximum Blade H. P.		
Pitch	1/12.1° 4/26.0°	Diameter	76"	Length
Owner's Name		City		State
Address				

Engine Description

Lycoming

Model: O-360-A1F6D

Serial number: L-22135-36A

Rated HP 180 @ 2700 RPM

Maximum HP 180 @ 2700 RPM

Propeller Description

McCaughey

Hub design: B2W34C211 Serial Number: 764045

Blade design: 82PCA-6

Pitch: low – 12.1° high – 26.0°

Diameter: 76 inches

ENGINE LOG						
DATE 19 76	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
9/10	1 3	1 3		RUN-IN.	Matt Reed 84	
9/24	4 5	4 5		Test.	Matt Reed 84	
		5 8		Total time at delivery.	Matt Reed 84	
				Eng. S/N L-22135-36A		
				This eng. installed new.		
				A/C T.T. 2.5 HRS. ON AC		
				S/N 17702541.		
				CESSNA AIRCRAFT CO. MMF 3349		
				Signature <u>Carl R. Nicks</u>		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date 1976	Duration	Acc Hours	Nature of Flight	Signature of Pilot
10 Sep	1.3	1.3	Run-in	Matt Reed 84
23 Sep	4.5	4.5	Test	Matt Reed 84
		5.8	Total Time at delivery. Engine S/N L-22135-36A This eng. Installed new. A/C TT 2.5 hrs on A/C S/N 1102541.	Matt Reed 84

Cessna Aircraft Co. MMF 3349, Signature Carl R. Nicks

ENGINE LOG				REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
DATE	DURATION	ACCUMULATED TOTAL TIME				
19 77		HOURS	10THS			
Aug 19, 1977				Tack Reads 44.5 Annual Inspection This Date, Drained Oil Removed Inspected + Replaced Oil Filter, Ran Compression Check, Ran Timing check, cleaned Plugs, Dressed Prop, AD-76-21-06 N/A By Sr. No. AD76-21-06 N/A By Sr. No. Washed Down Engine + Added 8 Qts 50 St.		
<p>I certify that this engine ^{Engine} has been inspected in accordance with a <u>Annual</u> inspection and determined to be in airworthy condition. Pertinent details of this inspection are on file at this agency under work order: No. <u>7037</u> Date <u>8/19/77</u> Total Time <u>44.5</u>. Signed <u>R. Dewey</u> for BUD HARWOOD AVIATION Rockford, Illinois F. A. A. APPROVED Repair Station No. 3266</p>						
CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE						

Date	TTSN	Remarks
17 Aug 77	44.5	<p>Annual Inspection this date, Drained oil removed and inspected and replaced oil filter. Ran compression check, Ran timing check, Check and cleaned plugs. Dressed prop, AD-76-21-06 N/A by serial number Washed down engine and Added 8 Qts 50 St</p> <p>I certify that this engine has been inspected in accordance with an <u>Annual</u> inspection and determined to be in airworthy condition. Pertinent detail of this inspection are on file at this agency under work order: <u>7037</u> date <u>19 Aug 77</u> total time <u>44.5</u>. Signed () R. Dewey for Bud Harwood Aviation, Rockford, IL FAA Approved Repair Station No. 3266</p>

ENGINE LOG						
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 April 3, 1978				Tech Reads 100.5 HRS drained engine oil sump and refilled with 8qt Aeroshell 80w and installed new oil filter. Dan() Jan() A&P 329401429		
Aug 10, 1978				Tech Reads 133.1 HRS drained engine oil, refilled with 8qt. Aeroshell 100w and installed new CFO 100 oil Filter. Dan() Jan() A&P 329401429		
Aug 30, 1978				Tech Reads 139.1 HRS I certify that this engine has been inspected in accordance with a 100HR inspection and was determined to be in airworthy condition. Dan() Jan() A&P 329401429		
8-30-78				Tech Reads 133 hours I certify that engine has been inspected in accordance with an annual inspection and was found to be in airworthy condition. Doral E Miner IA 1455255		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
3 Apr 78	100.5	Drained engine oil sump and refilled with 8 Qts Aeroshell 80W and installed new oil filter. Dan() Jan() A&P 329401429
10 Aug 78	133.1	Drained engine oil sump and refilled with 8 Qts Aeroshell 100W and installed new CFO 100 oil filter. Dan() Jan() A&P 329401429
30 Aug 78	139.1	I certify this engine has been inspected in accordance with a 100 hr inspection and is found to be in airworthy condition. Dan() Jan() A&P 329401429
30 Aug 78	133	I certify this engine has been inspected in accordance with an annual inspection and is found to be in airworthy condition. Doral E Miner IA 1455255

ENGINE LOG				REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
DATE	DURATION	ACCUMULATED TOTAL TIME				
19		HOURS	10THS			
March 27, 1979	Tach	Reads 157 HRS		Drained engine oil - added 8 qts Aeroshell 80W and installed new oil filter.	Dan() Jan() A&P 329401429	
June 30, 1979	Tach	Ready 186 hrs.		Drained engine oil and added 7 qts Aeroshell 100W. Checked oil filter and washed down engine.	Kevin Clark	
Oct. 4-1979	Tach	Reads 211 HRS		inspection completed as per Cessna 177 Maintenance Manual 100hr checklist. Drained oil added 8 qts Aeroshell 80W, new AC oil filter installed new float & needle seat, and gasket set in carburetor. New HSR-87 spark plugs on 1 & 3 cyl. I certify that this engine has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. Dan() Jan() A&P 329401429 IA.		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
27 Mar 79	157	Drained engine oil and added 8 Qts Aeroshell 80W and installed new oil filter. Dan() Jan() A&P 329401429
20 Jun 79	186	Drained engine oil and added 7 Qts Aeroshell 100W. Checked oil filter and washed down engine. Kevin Clark
4 Oct 79	211	Inspection completed as per Cessna 177 Maintenance Manual 100 hr checklist. Drained oil added 8 qts Aeroshell 80W, new AC oil filter. Installed new float and needle seat, and gasket set in carburetor. New HSR-87 spark plugs on number 1 and 3 cylinder. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Dan()Jan() A&P 329401429

ENGINE LOG						
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
19		HOURS	10THS			
4-15-80				Tach 232.4 DRAINED oil & refilled with AeroShell 100W no filter change	Harold Young	AYB 14367
7/26/80		262	11	DATE 7/26/80 TACH 262 DRAINED OIL AND REFILLED WITH 8 QUARTS OF 50W INSPECTED & CLEANED OIL SCREEN, WASHED ENGINE. NEXT OIL CHANGE DUE AT _____ HOURS Clean left magneto spark plugs.	Phillips	
Dec 1 1980				Tach Reads 294 Hrs drained engine oil & added 8qt Phillips 20W50 & new CFO-100 oil filter I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.	Dan()Jan()	A&P 329401429
May 21, 1981				Tach Reads 330.8 Hrs drained engine oil and added 8qt Phillips 20W50 & oil and new AC 0F11A oil filter.	Dan()Jan()	A&P 329401429

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
15 Apr 80	232.4	Drained engine oil and refilled with 8 Qts Aeroshell 100W no filter change. Harold Young AYB 14367
26 Jul 80	262	Date 27 Jul 80 Tach 262 Drained engine oil and refilled with 8 Qts Aeroshell 50W. Inspected and cleaned oil screen, washed engine. Replace oil filter element with CFO-100. Wash engine. Clean left magneto spark plugs. Kevin Clark 318603162 AP
01 Dec 80	294	Drained engine oil added 8 qts Phillips 20W50 and new CFO-100 oil filter. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Dan()Jan() A&P 329401429
21 May 81	330.8	Drained engine oil added 8 qts Phillips 20W50 and new AC 0F11A oil filter. Dan()Jan() A&P 329401429

ENGINE LOG					SIGNATURE	LICENSE NUMBER
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS		
19		HOURS	10THS			
JAN 1 1982		Tach Reads 390 HRs		TI eng & prop	Drained eng. oil & added 8 qts Phillips 20W50 X-C oil & new filter. I certify that this engine has been inspected in accordance with an ANNUAL inspection, and was determined to be in airworthy condition.	Dan()Jan() A&P 329401429IA
DEC 10 1982		Tach Reads 428 HRs		TI engine & prop	Drained engine oil and added 8 qts Phillips 20W50 X-C oil and new CFO 100 oil filter. Compression check as follows #1 74/80 #2 74/80 #3 72/80 #4 76/80 I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.	Dan()Jan() A&P 329401429IA
OCT 3 1983		TACH READS 469 HRs		TI	Drained engine oil & added 8 qts Phillips 20W50 X-C oil and installed new CFO 100 oil filter. Robert E. Wilcox AP 493644403	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
01 Jan 82	390	Engine and prop. Drained engine oil and refilled with 8 qts Phillips 20W50 X-C and new oil filter. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Dan()Jan() A&P 329401429IA
10 Dec 82	428	Drained engine oil and refilled with 8 qts Phillips 20W50 X-C and new CFO-100 oil filter. Compression check as follows 1 - 74/80 2 - 74/80 3 - 72/80 4 - 76/80 I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Dan()Jan() A&P 329401429IA
03 Oct 83	469	Drained engine oil added 8 qts Phillips 20W50 and new CFO-100 oil filter. Robert Wilcox AP 493644403

ENGINE LOG					REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
DATE	DURATION	ACCUMULATED TOTAL TIME					
19		HOURS	10THS				
DEC 01 1984	Tech	Reads 510 HRS	11		Drained engine oil & added 8 qts Phillips 20W50 X-C oil & new oil filter. Compression test 74/80 or better on all cylinders. I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.	Dan(Jan) A&P 329401429 IA	
Dec 9 1985	Tech	Reads 569 HRS	11		Drained engine oil and added 8 qts Phillips 20W50 X-C oil and new AC oil filter. Welded crack on right side of Exhaust muffler. Compression test as follows #1 73/80 #2 75/80 #3 74/80 #4 73/80. I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition.	Dan(Jan) A&P 329401429 IA	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
01 Dec 84	510	Drained engine oil and added 8 qts Phillips 20W50 X-C oil and new oil filter. Compression test 74/80 or better on all cylinders. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Dan(Jan) A&P 329401429IA
09 Dec 85	569	Drained engine oil and refilled with 8 qts Phillips 20W50 X-C and new AC oil filter. Welded crack on right side of exhaust muffler. Compression check as follows 1 - 73/80 2 - 75/80 3 - 74/80 4 - 73/80 I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Dan(Jan) A&P 329401429IA

ENGINE LOG					FLT Bk. Date May 87	
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
Aug 12 1986				TAD READS 61 HRS DRAINED ENGINE OIL & REMOVED OIL FILTER INSTALLED NEW OIL FILTER OF-11A OF-11A & 7 QTS PHILLIPS 20W-50XC II. K. Appell A&P 318428867		
Dec 18 1986				Tad Reads 620 HRS TT Drained engine oil & refilled with 8 qts Phillips 20W50 X-C and new AC oil filter. Compression test #1 76/80 #2 76/80 #3 76/80 #4 76/80. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Dan()Jan() A&P 329401429IA		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
12 Aug 86	611	Drained engine oil and removed oil filter. Installed new oil filter OF-11A and 7 qts Phillips 20W50 X-C II. Karl Appell AP 318428867
18 Dec 86	620	Drained engine oil and refilled with 8 qts Phillips 20W50 X-C and new AC oil filter. Compression check as follows 1 - 76/80 2 - 76/80 3 - 76/80 4 - 76/80 I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Dan()Jan() A&P 329401429IA

ENGINE LOG					SIGNATURE	LICENSE NUMBER
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS		
19		HOURS	10THS			
JAN 88				TACH Reads 644 HRS TT 8 qts PHILLIPS 20W50 X-C oil and new oil Filter Repaired spark plug lead #3 Top at spark plug fitting. Compression check as follows #1 76/80 #2 74/80 #3 74/80 #4 72/80 I cert. that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition. Dan()Jan() A&P 329401429 IA		
8/24/88				TACH READS 677 HRS. DRAINED ENGINE OIL, ADDED 8 QTS PHILLIPS X-C 20W50 oil. Stephen Koph AP 323405420		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
01 Jan 88	644	Drained engine oil and refilled with 8 qts Phillips 20W50 X-C and new oil filter. Repaired spark plug lead #3 top at spark plug fitting. Compression check as follows 1 - 76/80 2 - 74/80 3 - 74/80 4 - 72/80 I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Dan()Jan() A&P 329401429 IA
24 Aug 88	677	Drained engine oil and added 8 qts Phillips 20W50 X-C oil. Stephen Koph AP 323405420

ENGINE LOG						
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
Dec 21 1990				TACH Reads 762 HRS Drained eng. oil and added 1 qt. Phillips 20W50 X-C and new OF-11A oil Filter. Compression test as follows #1 74/80 #2 70/80 #3 76/80 #4 72/80 Tightened tach cable connection at engine. I cert. by that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition. Dan()Jan() A&P 329401429IA		
June 3 1991				TACH Reads 807 Hrs. Drained engine oil and added 8 qts 20W50 X-C engine oil and New OF-11A oil Filter. Randy D. Stover A&P 321666638		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
21 Dec 90	762	Drained engine oil and refilled with 8 qts Phillips 20W50 X-C and new oil filter OF-11A. Compression check as follows 1 - 74/80 2 - 70/80 3 - 76/80 4 - 72/80 Tightened tach cable connection at engine. I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Dan()Jan() A&P 329401429IA
3 Jun 91	807	Drained engine oil and added 8 qts X-C engine oil and new OF-11A oil filter. Randy D. Stover AP 321666638

ENGINE LOG						
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1993						
02-08-93		Total Time 867.0		Annual Inspection	John	867.0
				Engine oil drained, screen inspected for metal (none found) and replaced. Filled with 8 qts. Aeroshell 15W50. Spark plugs cleaned and gap checked. Compression test: #1 75/80, #2 76/80, #3 74/80, #4 76/80. Mag timing checked. Exhaust system pressure checked for leaks - none found. Two exhaust gaskets replaced with "no-blo" type to match the ones on opposite side. Carburetor air box replaced. Numerous SCAT hoses replaced. Two fuel lines replaced. Mounts inspected and one Lord mount P/N J-7763 replaced. Engine degreased, run-up and checked for leaks.		
<p>I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.</p> <p>TOTAL TIME <u>867.0</u> HOURS</p> <p>SIGNED <u>Dan Jan</u></p> <p>LICENSE NUMBER <u>A & P 543087959IA</u></p> <p>DATE <u>02 1 08 1993</u></p>						
CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE						

Date	TTSN	Remarks
08 Feb 93	867	<p>Annual Inspection</p> <p>Engine oil drained, screen inspected for metal (none found) and replaced.</p> <p>Filled with 8 qts Aeroshell 15W50.</p> <p>Spark plugs cleaned and gap checked.</p> <p>Compression check as follows:</p> <p>1 - 75/80</p> <p>2 - 76/80</p> <p>3 - 74/80</p> <p>4 - 76/80</p> <p>Mag timing checked.</p> <p>Exhaust system pressure checked for leaks, none found.</p> <p>Two exhaust gaskets replaced with "no-blo" type to match the on the opposite side.</p> <p>Carburetor airbox replaced.</p> <p>Numerous SCAT hoses replaced.</p> <p>Two fuel lines replaced.</p> <p>Mounts inspected and one Lord mount P/N J-7763 replaced.</p> <p>Engine degreased, run-up and checked for leaks.</p> <p>I certify that this engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.</p> <p>Total Time 867.0 Hours</p> <p>Signed Dan() Jan() A&P 543087959IA</p> <p>Date 08 Feb 93</p>

ENGINE LOG						
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 93						
5-20-93		Total Time		8705 Installed and timed serviceable magneto. See Attached TAG.		
				Roderic J. Jansell A+P 392823754		
5-31-93	IT 8729					
4-18-94	TT 0822.5					

F.A.A. APPROVED
REPAIR STATION KC2R947K
MAINTENANCE RELEASE

The unit or assembly identified on this tag was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and was found airworthy for return to service.

Details of repair on file under:
Work Order No. 21044
Dated 4-28-93

are on file with this agency.
Roderic J. Jansell
Authorized Signature

AIRCRAFT SYSTEMS, INC.
5187 Falcon Road
Greater Rockford Airport
Rockford, Illinois 61109
Phone: (815) 399-0225
FAX: (815) 399-0084

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
20 May 93	870.5	Installed and timed serviceable magneto. See attached tag. Roderic J. () AP 392823754
31 May 93	872.9	()
18 April 94	892.5	Annual ()

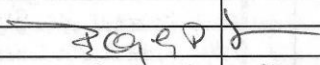
ENGINE LOG						
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
				DATE <u>4/18/94</u> TACH <u>0892.5</u> I CERTIFY THAT THIS AIRCRAFT (ENGINE) HAS BEEN INSPECTED IN ACCORDANCE WITH 100 HR/ ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY/UNAIRWORTHY CONDITION. NAME <u>James J Falk</u> CERT. # <u>A&P 39882371</u>		
				DATE <u>4/18/94</u> TACH <u>0892.5</u> I CERTIFY THAT THIS AIRCRAFT (ENGINE) HAS BEEN INSPECTED IN ACCORDANCE WITH 100 HR/ ANNUAL INSPECTION AND DETERMINED TO BE IN AIRWORTHY/UNAIRWORTHY CONDITION. NAME <u>Jim C Day</u> CERT. # <u>1328942</u> <u>H.P. AL.</u>		
CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE						

Date	TTSN	Remarks
18 Apr 94	892.5	Date 18 Apr 94 Tach 0892.5 I certify that this engine has been inspected in accordance with 100HR inspection and was determined to be in airworthy condition. Name James J Falk CERT.#39882371
18 Apr 94	892.5	Date 18 Apr 94 Tach 0892.5 I certify that this aircraft has been inspected in accordance with and Annual inspection and was determined to be in airworthy condition. Name () CERT. A&P1328942AI

ENGINE LOG ELT BAT Dmg MAY 96

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
MARCH 10 1995				TACH READS 928 HRS TOTAL Time Drained engine oil and added 8 qts. Aeroshell 15W50 oil and new CFO-100 oil filter. Compression Test 1 #1 76/80 #2 76/80 #3 74/80 #4 76/80 Adjusted Idle Mixture To proper setting and Retimed Mag to 25° BTDC		
GAIL FORCE AIRCRAFT MAINTENANCE BELOIT AIRPORT • RT. 1 BOX 600 BELOIT, WI 53511 • PHONE 920-935-1871 DATE: 3-10-95 TOTAL TIME: 928 TACH: 928 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. MECH. Daniel Janney A&P 329401429IA						
CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE						

Date	TTSN	Remarks
10 Mar 95	928	Drained engine oil and added 8 qts Aeroshell 15W50 and new CFO-100 oil filter. Compression check as follows: 1 - 76/80 2 - 76/80 3 - 74/80 4 - 76/80 Adjusted idle mixture to proper setting and retimed Mag to 25° BTDC. Gail Force Aircraft Maintenance Beloit Airport Date 10 Mar 95 Tach 928 I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition Dan() Jan() A&P 329401429IA

ENGINE LOG						
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
3-3-96	TACT	960.1		Inspected engine per Cessna Checklist Compression #1 77/80 #2 74/80 #3 74/80 #4 77/80. Installed New Ignition Harness. ICA 2774		
				This engine has been inspected IAW An Annual inspection and was determined to be in an Airworthy condition		
				 AP 277448530 IA		
7/29/96	TACK READS	970.5		DRAINED OIL, CLEANED SCREEN, INSTALLED CFO 100 OIL FILTER, SERVICED WITH AEROSHELL 15W50 GROUND RUN & LEAK CHECK OK. Signature AP 323405420 EA		
04-07-98	TACT	1103.6		Oil cooler installed after Overhaul (see insert) test run & leak check OK. Signature AP 357465746		
				Signature Edward J Van Reeth		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE


Date	TTSN	Remarks
03 Mar 96	960.1	Inspected engine per Cessna Checklist Compression: 1 - 77/80 2 - 76/80 3 - 76/80 4 - 77/80 Installed new ignition harness. This engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition () A&P 277448530IA
29 Jul 96	970.5	Drained oil, cleaned screen, installed CFO-100 oil filter, serviced with Aeroshell 15W50. Ground run and leak check ok. Stephen Koph AP 323405420

ENGINE LOG						
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
3/24/97				TACH READS 994 HRS. T.T. DRAINED OIL. REPLACED OIL FILTER, AIR FILTER, SERVICED WITH 15W50 AEROSHELL, CLEANED PRIMER NOZZLES, REPLACED ROCKER BOX GASKETS, COMPRESSION CYL #1 68/80 #3 75/80 #2 78/80 #4 74/80. 100 HR INSPECTION AS PER SERVICE MANUAL. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100HR INSPECTION AND IS IN AIRWORTHY CONDITION. STG # 1744 A&P 3234054201A OIL CHANGE BEL 1050 HRS		
3-13-1998				TACH READS 1097 HRS TOTAL TIME Drained engine oil and added 7qt Aeroshell 15W50 w. 2 new CFO100 oil filter. Compression 1 - 78/80 #2 78/80 #3 76/80 #4 76/80 Installed EZ HEAT Engine Preheater. No STC Required. I Cert. by that this engine has been inspected in accordance with an ANNUAL INSPECTION AND was determined to be in airworthy condition. Dan() Jan() A&P 329401429IA		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
24 Mar 97	994	Replaced oil filter, air filter, serviced with 15W50 Aeroshell. Cleaned primer nozzles. Replaced rocker box gaskets. Compression: 1 - 68/80 2 - 70/80 3 - 75/80 4 - 74/80. Run-up and leak check ok. I certify that this aircraft has been inspected IAW a 100 hr and is in airworthy condition () A&P323045420IA
		Oil change below 1050 hrs
13 Mar 98	1097	Drained engine oil and added 7 qts Aeroshell 15W50 and new CFO-100 oil filter. Compression: 1 - 78/80 2 - 78/80 3 - 76/80 4 - 76/80 Installed EZ heat engine preheater no STC required. I certify that this engine has been inspected in accordance with an ANNUAL inspection and was determined to be in airworthy condition Dan() Jan() A&P 329401429IA

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME	
04-02-98			<div style="text-align: center;">  <p>WE SERVICE THE UNIVERSE SOUTHWEST COOLER SERVICE, INC. 3939 PLATINUM WAY DALLAS, TEXAS 75237 (214) 330-7214</p> </div> <hr/> <p>SERVICEABLE PART 09160</p> <p>Part Nomenclature <u>oil cooler</u> Manufacturer <u>S.W</u></p> <p>Model # _____ Part # <u>8406J</u> S/N <u>1806</u></p> <p>Overhaul <input checked="" type="checkbox"/> Repair _____ Test/Calibrate _____ Modify _____ Exchange _____</p> <p>Customer <u>RADIO RANCH</u> Work Order # <u>9803-323</u></p> <p><small>The component identified above was repaired and/or inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the work accomplished are on file at this agency.</small></p> <p>Authorized Signature <u>[Signature]</u> Date <u>3/31/98</u></p>
04-15-98			

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
02 Apr 98	1103.6	Oil cooler installed after overhaul (see yellow tag) test run and leak check ok. Edward D VanReeth AP357465746
15 Apr 98		XXX

ENGINE LOG					REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
DATE	DURATION	ACCUMULATED TOTAL TIME					
19		HOURS	10THS				
4-27-98					Tach 1141 changed oil and Filter Filled with 8 Qts 15/50 Inspected Filter no metal Found Replaced Cartridge with new one CFO-100 Dressed and Painted Prop A&P 471942703 J.D. Grante		
JUNE 10 1998					TACH READS 1206.7 HRS Drained engine oil CHECKED FILTER, INSTALLED NEW WITH 8 Qts 15W50 Aeroshell Dan() Jan() A&P 329401429IA		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
27 Apr 98	1141	Changed oil and filter. Filled with 8 Qts 15W50. Inspected filter, no metal found. Replaced cartridge with new one CFO-100 Dressed and painted prop. AP471942703 ()
10 Jun 98	1206.7	Drained engine oil, checked filter. Installed new with 8 Qts 15W50 Aeroshell Dan() Jan() A&P 329401429IA

ENGINE LOG				REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
DATE	DURATION	ACCUMULATED TOTAL TIME				
2005		HOURS	10THS			
				DATE 4-9-2004 TT IN SERVICE 1312.0 CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <i>[Signature]</i> A&P 211328868 IA		
6-3-2005		1314	2	Inspected Engine, Installed And Exhaust System Replaced All Spark Plugs, Replaced Air Filter, Checked AD Notes for Compliance, I certify This Engine Has been Inspected IAW An Annual. And was determined to be in Airworthy Condition. Checked Compression All Cylinders 75/80 or Better Dennis IA 2184010		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
09 Apr 04	1312.0	Date 9 Apr 04 TT in service 1312.0 I certify that this engine has been inspected IAW an Annual Inspection and was determined to be in airworthy condition. () A&P 211328868IA
03 Jun 05	1314.2	Inspected engine installation and exhaust system. Replaced all spark plugs, Replaced air filter, Checked AD notes for compliance, I certify that this engine has been inspected IAW an Annual Inspection and was determined to be in airworthy condition. Checked compression, all cylinders 75/80 or better. Dennis () IA 2184010

ENGINE LOG					REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
DATE	DURATION	ACCUMULATED TOTAL TIME					
		HOURS	10THS				
2007 4-24	Tach	1332.0		Changed oil + filter CF100 ^{added} 7QTS of Aeroshell 100 plus. No leaks. Darrell Donner pilot cert # 2129704			
12 Mar 08	Tach Time	1354.9		Checked Magnets Timing internally, retimed to engine IAW Cessna SRM Ch. 11 and replaced Mag flange gasket with new Aircraft Spruce gasket p/n 62224. END		Zachary L. Odom Zachary L. Odom AP 3171710	
12 March 2008	Tach time	1354.9		performed oil change. Drained oil and added 7QTS Phillips X-C 20W50 and installed new Champion CFO-100 oil filter. Performed MOC. No leaks. Darrell Donner Pilot Cert # 2129704			

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
24 Apr 07	1332.0	Changed oil and filter CF-100 added 7 Qts of Aeroshell 100 plus. No leaks. Darrell Donner pilot cert #2129704
12 Mar 08	1354.9	Checked magneto timing internally, retimed to engine IAW Cessna SRM Ch-11 and replaced mag flange gasket with new Aircraft Spruce gasket P/N 62224. Zachary L. Odom AP 3171710
12 Mar 08	1354.9	Performed oil change, drained oil and added 7 Qts of Phillips X-C 20W50 and installed new Champion CFO-100 oil filter. Performed MOC, no leaks. Darrell Donner pilot cert #2129704

ENGINE LOG						
DATE 2008 10	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
3/13/08	Tech Time	1354.9		Inspected Engine Installation, Inspected Exhaust System, Cleaned and Re-gapped Spark Plugs, Checked AD Note 2005-13-06 by Inspection of Impulse Coupling Check out of Date AD 1854.9, Checked AD Notes for Compliance. I Certify This Engine Has Been Inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G. IA 2184010		
6/3-09	Tech Time And	1379.5		Inspected Engine Installation, Inspected Exhaust System, Changed Oil & Filter, Cleaned Spark Plugs, Checked Compression: #1 78/80 #2 78/80 #3 77/80 #4 75/80, Checked AD Notes for Compliance. I Certify This Engine Has Been Inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G. IA 2184010		
10-01-09	Tech Time	1389.2		Adjusted Idle mixture and idle throttle stop IAW Cessna 177 SRM. Zachary L. Odom A&P 3171710		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
13 Mar 08	1354.9	<p>Inspected engine installation Inspected exhaust system, Cleaned and re-gapped spark plugs, C/W AD-05-13-06 by inspection of impulse coupling due at 1854.9, Checked AD notes for compliance.</p> <p>I certify that this engine has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G() IA2184010</p>
03 Jun 09	1379.5	<p>Inspected engine installation Inspected exhaust system, Changed oil and filter, Cleaned spark plugs, Checked compression: 1 - 78/80 2 - 78/80 3 - 77/80 4 - 75/80</p> <p>Checked AD notes for compliance.</p> <p>I certify that this engine has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G() IA2184010</p>
01 Oct 09	1389.2	<p>Adjusted idle mixture and idle throttle stop IAW Cessna 177 SRM. Zachary L. Odom A&P 3171710</p>

ENGINE LOG						
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
6-3-80	Tach Time			Total Time 1408.6 Inspected Engine Installation Inspected Exhaust System, Changed oil Phillips X-C 20W50 Replaced Oil Filter CH48103, Installed Lycoming Filter Converter Kit P/N 54E23093, Compression Check #1 78/80 #2 79/80 #3 77/80 #4 76/80, Checked AD Notes for Compliance & Certify This Engine Has been Inspected IAW An Annual And was Determined To be in Airworthy Condition. Dennis Gault IA 2184010		
5-1-11	Tach Time			Total Time 1417.4 Inspected Engine Installation, Inspected Exhaust System, Changed oil Phillips X-C 20W50, Replaced Oil Filter CH48103, Checked Compression #1 75/80 #2 77/80 #3 76/80 #4 71/80 Checked AD Notes for Compliance & Certify This Engine Has been Inspected IAW An Annual Inspection And was Determined to be in Airworthy Condition Dennis Gault IA 2184010		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
03 Jun 10	1408.6	Inspected engine installation Inspected exhaust system, Changed oil Phillips X-C 20W50 Replaced Oil Filter CH48103, Installed Lycoming Filter Converter Kit 54E23093 Checked compression: 1 - 78/80 2 - 79/80 3 - 77/80 4 - 76/80 Checked AD notes for compliance. I certify that this engine has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G() IA2184010
01 May 11	1417.4	Inspected engine installation Inspected exhaust system, Changed oil Phillips X-C 20W50 Replaced Oil Filter CH48103, Cleaned spark plugs, Checked compression: 1 - 75/80 2 - 77/80 3 - 76/80 4 - 71/80 Checked AD notes for compliance.

I certify that this engine has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition.
Dennis G() IA2184010

ENGINE LOG						
DATE 2012 19	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
6-4-12	Tach Time + Total Time	1430.7		Inspected Engine Installation Inspected Exhaust System, Checked Compression #1 74/80 #2 76/80 #3 75/80 #4 77/80, Cleaned and Re-gapped Spark Plugs, Checked AD Notes for Compliance I certify this engine has been inspected IAW an Annual Inspection, and was determined to be in an Airworthy Condition Dennis G() IA 2184010		
7-1-13	Tach Time + Total Time	1433.1		Inspected Engine Installation, Inspected Exhaust System, Checked Compression #1 77/80 #2 77/80 #3 76/80 #4 77/80, Changed oil 7 Qts Phillips X-C 20W50, Replaced oil Filter CH48103, Cleaned Spark Plugs, Checked AD Notes for Compliance I certify that this engine has been inspected in accordance with a Annual inspection and was determined to be in an airworthy condition.	Dennis G()	IA 2184010

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

Date	TTSN	Remarks
04 Jun 12	1430.7	Inspected engine installation Inspected exhaust system, Checked compression: 1 - 74/80 2 - 76/80 3 - 75/80 4 - 77/80 Checked AD notes for compliance. I certify that this engine has been inspected IAW an Annual Inspection and was determined to be in Airworthy Condition. Dennis G() IA2184010
01 Jul 13	1433.1	Inspected engine installation Inspected exhaust system, Checked compression: 1 - 77/80 2 - 77/80 3 - 76/80 4 - 77/80 Changed oil 7 Qts. Phillips X-C 20W50 Replaced Oil Filter CH48103, Cleaned spark plugs, Checked AD notes for compliance.

DATE	01OCT15	TACH 1442.0 SNEW 1442.0	RE	LICENSE NUMBER	
19	RMVD AND REINST MCCAULEY PROP ASSEY S/N: 764045 FROM ACFT CESSNA 177B S/N: 17702541 FOR RESEALING OF HUB ASSEY BY AIR PROP SPECIALISTS OF MARIANNA FL CERT NUM 1X4R274M. SEE PROP LOG BOOK FOR MAINT RELEASE. TQ'ED PROP RETENTION BOLTS TO 55 FT LBS AND REPLACED 3EA SAFTIES. PERFORMED GROUND MAINT RUN; NO LEAKS NOTED AND PROP GOV CONTROLS PROP THROUGH ITS RANGE. MAINT PERFORMED IAW CESSNA SRM. ZACHARY L. ODOM AP3171710IA <i>Zachary Odom AP3171710 IA</i>				
	30JUL16	TACH 1444.8 SNEW 1444.8			
	REMOVED, CLEANED, AND REINST CARB FUEL INLET SCREEN. DRAINED CARB BOWL; REPLACED DRAIN PLUG SAFETY. DRAINED AND SERV WITH 7 QTS OF PHILLIPS 20W50 ENG OIL. RMOVED AND REPLACED OIL FILTER WITH TEMPEST AA48103-2; NEXT DUE AT 1494.8 TACH HOURS. CHECKED ENG TIMING; CHECKED IGNITION HARNESSES. INSP ENGINE EXHAUST SYSTEM. REPLACED BRACKET AIR INTAKE FILTER ELEMENT P/N BA-5705. COMPRESSIONS WERE: #1 - 75/80 #2 - 72/80 #3 - 74/80 #4 - 76/80. PERFORMED ENG WASH AND MAINT GROUND RUN. WORK PERFORMED IAW CESSNA SRM. I CERTIFY THAT THIS ENGINE HAS BEEN INSP IAW AN ANNUAL INSP CHECKLIST AND WAS FOUND TO BE IN AN AIRWORTHY COND. ALL AD'S C/W. SEE ATTACHED AD LIST IN BACK OF LOG BOOK FOR CURRENT AD LISTINGS. ZACHARY L. ODOM A&P3171710IA <i>Zachary Odom AP3171710 IA</i>				

Date	TTSN	Remarks
		RMVD AND REINST MCCAULEY PROP ASSEY S/N 76405 FROM ACFT CESSNA 177B S/N 17702541 FOR RESEALING OF HUB ASSEY BY AIR PROP SPECIALISTS OF MARIANA FL CERT NUM 1X4R274M. SEE PROP LOG BOOK FOR MAINT RELEASE. TQ'ED PROP RETENTION BOLTS TO 55 FT LBS AND REPLACED 3 EA SAFTIES. PERFORMED GROUND MAINT RUN, NO LEAKS NOTED AND PROP GOV CONTROLS PROP THROUGH ITS RANGE MAINT PERFORMED IAW CESSNA SRM. ZACHARY L. ODOM A&P 3171710
30 Jul 16	1444.8	REMOVED, CLEANED, AND REINST CARB FUEL INLET SCREEN. DRAINED CARB BOWL; REPLACED DRAIN PLUG SAFETY. DRAINED AND SERV WITH 7 QTS OF PHILLIPS 20W50 ENG OIL. RMOVED AND REPLACED OIL FILTER WITH TEMPEST AA48103-2; NEXT DUE AT 14994.8 TACH HOURS. CHECKED ENG TIMING; CHECKED IGNITION HARNESSES. INSP ENGINE EXHAUST SYSTEM. REPLACED BRACKET AIR INTAKE FILTER ELENIENT P/N BA5705. COMPRESSIONS WERE: 1 - 75/80 2 - 72/80 3 - 74/80 4 - 76/80 PERFORMED ENG WASH AND MAINT GROUND RUN. WORK PERFORMED IAW CESSNA SRM.

ENGINE LOG					SIGNATURE	LICENSE NUMBER
DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS		
2017		HOURS	10THS			
6-12		1504	7	CHANGED OIL AND FILTER - REFILLED WITH 8 QTS. AEROSHELL W100 AND CHAMPION FILTER # 48103-1	<i>Joe Harding</i>	
<p>N18523 11/20/2017 Tach 1509 TSN: 1509 Compression check #1-73/80, #2-78/80, #3-65/80, #4-76/80. Cleaned, and rotated plugs. Checked timing, Serviced with 8qts W100 and AA48103 filter. Replaced induction filter. I certify I have C/W annual/100hr. inspection IAW Lycoming, and FAR 43.13. All AD's and SB's C/W. Cleaned and ran engine OK. Approved for return to service. Z 95 Tim Sipp 3071998 IA</p>						
CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE						

Date	TTSN	Remarks
12 Jun 17	1504.7	Changed oil and filter – refilled with 8 Qts Aeroshell W100 and Champion Filter #48103-1 Joe Harding – Pilot
20 Nov 17	1482	Compression check: 1-73/80 2-78/80 3-65/80 4-76/80 Cleaned and rotated plugs. Checked timing. Serviced with 8 Qts @100 and AA48103 filter. Replaced induction filter. All AD's checked and current I certify I have C/W annual/100hr. inspection IAW Lycoming, and FAR 43.13. All AD's and SB's C/W. Cleaned and ran engine OK. Approved for return to service. 3071998IA Tm Sipp

DATE		DUR.		Granbury Aviation Services LLC, 344 Howard Clemmons Rd. Granbury, TX 76048 661-599-3130 granburyaircraftservices@gmail.com Granbury Regional KGDJ			CENSE UMBER
19		A/C N#	N18523	MAKE:	Lycoming	MODEL:	O-360A1F6 S/N: L-22135-36A
		TACH:	1536.4	TTIS:	1536.4	CURRENT DATE:	1/9/2019
Description of work performed:							
C/W a 100hr/ annual inspection this date. Performed a top cylinder O/H by Superior Cylinders P/N S136000-W-A20P and pistons, P/N S136000-W-A21P. (Further details and parts list in aircraft permanent records.) Replaced 3 pushrod tubes PN LW-11485, 4 oil drain tubes PN SL-STD-1821, 4ea intake couplers PNSL-69603, 16ea cyl base nuts PNSL-383-B, 16ea cyl nuts PN SL-STD-2090. Drained and serviced 8 qts oil. Replaced oil filter 48103. Replace induction filter. Inspected engine, mount and accessories for condition and security. All work IAW Lycoming MM, Service instructions and Superior Cylinders Service Letter L99-09A. Ground run leak check with no defects noted. This engine has been inspected IAW an annual/ 100hr insp and found to be airworthy. This engine is approved for return to service and break in procedures by Superior Cylinder instructions.							
GRANBURY AVIATION SERVICES (GAS) RON STOWELL A&P 3645895 IA							
CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE							

Date	TTSN	Remarks
09 Jan 19	1536.4	C/W a 100hr/ annual inspection this date. Performed a top cylinder O/H by Superior Cylinders P/N S136000-W-A20P and pistons, P/N S136000-W-A21P. (Further details and parts list in aircraft permanent records.) Replaced 3 pushrod tubes PN LW-11485, 4 oil drain tubes PN SL-STD-1821, 4ea intake couplers PNSL-69603, 16ea cyl base nuts PNSL-383-B, 16ea cyl nuts PN SL-STD-2090. Drained and serviced 8 qts oil. Replaced oil filter 48103. Replace induction filter. Inspected engine, mount and accessories for condition and security. All work IAW Lycoming MM, Service instructions and Superior Cylinders Service Letter L99-09A. Ground run leak check with no defects noted. This engine has been inspected IAW an annual/ 100hr insp and found to be airworthy. This engine is approved for return to service and break in procedures by Superior Cylinder instructions Granbury Aviation Services (GAS) Ron Stowell AP3645895IA
09 Jan 19	1536.4	Installed 8 new Tempest UREM38E spark plugs Javier Camba III Cert. No 2821625

N18523

1977 Cessna Cardinal C177B

17702541

ENGINE BOOK 2

Engine Record General Information

Manufacturer LYCOMING Model O-360-A1F6D

Serial L-22135-36A Type Certificate _____

This engine is currently installed in aircraft: N18523 S/N 17702541

Minimum Octane Fuel 100 LL Oil Grade: Summer 100 Winter _____

Magneto Time 25° BTDC Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer's Recommended Overhaul at _____ hours

BOOK 2
FROM 1536.4 TTSN

Engine Description

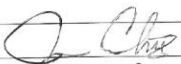
Lycoming

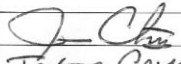
Model: O-360-A1F6D

Serial number: L-22135-36A

Engine is currently installed in aircraft: N18523 S/N 17702541

Book 2 from 1536.4 TTSN

YEAR 20 19 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.)
19 MAR	1542.7			DRAINED OIL AT SUMP AND OIL COOLER. REPLACED OIL FILTER WITH NEW CHAMPION CH48103 FILTER. ADDED 8 QUARTS OF AEROSHELL W100 PLUS OIL.  JAVIER CAMBA III Cert. No. 2821625



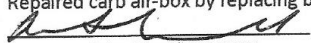
YEAR 20 19 DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
5 Jul	1567.5			DRAINED OIL AT SUMP AND OIL COOLER. REPLACED OIL FILTER WITH NEW CHAMPION CH48103 FILTER. ADDED 8 QUARTS OF AEROSHELL W100 PLUS OIL.  JAVIER CAMBA III CERT No. 2821625

Date	TTSN	Remarks
19 Mar 19	1542.7	Drained oil at sump and oil cooler. Replaced oil filter with new Champion CH48103 filter. Added 8 quarts of Aeroshell W100 Plus oil. Javier Camba III Cert. No 2821625
5 Jul 19	1567.	Drained oil at sump and oil cooler. Replaced oil filter with new Champion CH48103 filter. Added 8 quarts of Aeroshell W100 Plus oil. Javier Camba III Cert. No 2821625

N18523

1977 Cessna Cardinal C177B

17702541

YEAR 20 DATE	 <p>Granbury Aviation Services LLC, 344 Howard Clemmons Rd . Granbury TX 76048 Date: 8-30-2019 Logbook: Engine 1 Tail Number: N18523</p> <p>Tach: 1586.0 Model: 0-360-A1F6D Serial: L-22135-36A</p> <p>Repairs / Maintenance</p> <ul style="list-style-type: none"> Removed Carb air box and sent to Aviation Plus, LLC for repairs and reinstalled same unit. See additional log sticker from Aviation Plus, LLC for repair endorsement. <p>GRANBURY AVIATION SERVICES, LLC (GAS) Ron Stowell  A&P 3645895 IA</p> <div style="border: 1px dashed black; padding: 5px; margin: 10px auto; width: 80%;"> <p style="text-align: center;">Aviation Plus LLC 262-656-1260 Aviationplusllc.com</p> <p>08/27/2019 N19523 Tach 1586 Repaired carb air-box by replacing both shaft bearings and reattaching upper flange.  Robert Russell 3411885IA</p> </div>
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Date	TTSN	Remarks
30 Aug 19	1586.0	Removed Carb air box and sent to Aviation Plus, LLC for repairs and reinstalled same unit. See additional log sticker from Aviation Plus, LLC for repair endorsement. GRANBURY AVIATION SERVICES (GAS) RON STOWELL 3645895IA Aviation Plus, LLC. 27 Aug 19 N18523 Tach 1586 Repaired carb air-box by replacing both shaft bearings and reattaching upper flange. Robert Russell 3411885IA

