

ENGINE MAINTENANCE RECORDS



PUBLICATIONS INC.

ROUTE 79 / P.O. BOX 99 / MORGANVILLE, NJ 07751

ENGINE MAINTENANCE RECORDS

Log No. _____

Aircraft Registration No. 3A13X (8925G)

Engine Mfg

LYC

Model IO-360-A1A

Serial No. L-2141-51A

B.H.P. (Normal) _____

(Maximum) _____

R.P.M. (Normal) _____

(Maximum) _____

Gear Reduction Ratio _____

Rotation of Propeller _____

(All applicable information must be filled in)

If used on multi-engine aircraft:

- Right Left
 Front Rear

OWNERSHIP RECORD

Name _____ Date Purchased _____

Address _____

Name _____ Date Purchased _____

Address _____

AERO
TECH PUBLICATIONS INC.
ROUTE 79 P.O. BOX 99 MORGANVILLE NJ 07751

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
Date <u>5-1-79</u>	Total Time <u>2342.23</u>	1737.03 SRBM	<u>Diff Comp Test #1 A #2 A #3 A #4 A</u>
I certify this <u>Engine</u> has been inspected in accordance with a <u>100 hr.</u> inspection and was determined to be in an airworthy condition.			
Signature <u>J. Wallagh</u> A&P No. <u>2166493</u>			
Date <u>5-1-79</u>	Total Aircraft Time <u>2342.23</u>		I certify this <u>Engine</u> has been inspected in accordance with a <u>100 hr.</u> inspection and was determined to be in an airworthy condition.
Signature <u>Carl Stone</u> A&P No. <u>313344 I.A.</u>			
Date <u>3-21-80</u>	Total Time <u>2437.24</u>		Replaced lifters on all intake valves to complete compliance with AID 71-11-02. Replaced seals & gaskets on intake pipes. Replaced exhaust gaskets with Blo-Proof gaskets. <u>J. Wallagh A/P 2166493</u>
Date <u>7-23-80</u>	Total Time <u>2460.27</u>		Engine overhauled by Lynn's Aircraft Engines per attached sheet at back of this section.
I certify this <u>Engine</u> has been inspected in accordance with a <u>100 Hr.</u> inspection and was determined to be in an airworthy condition.			New AC91234 Fuel pump installed, Oil cooler cleaned, tested & certified, Magn overhauled, New REM-3BE plugs installed, starter & alternator overhauled.
Signature <u>J. Wallagh</u> A&P No. <u>2166493</u>			C/W AID 80-13-03 by the installation of Mooney Kit #M20-222-1
Date <u>7-23-1980</u>	Total Time <u>2460.27</u>		I certify this <u>Engine</u> has been inspected in accordance with a <u>100 hr.</u> inspection and was determined to be in an airworthy condition.
Signature <u>Carl Stone</u> A&P No. <u>313344 I.A.</u>			

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			<p>Date <u>11-1-81</u> Total Time <u>2486.6</u> <u>26 hours SMOH</u> I certify this <u>Engine</u> has been inspected <u>changed oil</u> in accordance with a <u>Annual / 100 hour</u> <u>and cleaned screen</u> inspection and was determined to be in an airworthy condition. Signature: <u>Don [Signature]</u> A&P No. <u>558903116</u> <u>Avroshell 100 non det</u> <u>Eng Compressor #1/75 #2/70 #3/74 #4/70</u> <u>80 2/80 3/80 1/80</u></p>
			<p>Date <u>Nov 1, 1981</u> Total Time <u>2486.6</u> I certify this <u>Engine</u> has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in an airworthy condition. Signature: <u>Ernie [Signature]</u> A&P No. <u>313344 I.A.</u></p>
<u>8-17-82</u>	<u>2521</u>		<p><u>tech charged oil, cleaned screen Avroshell 100 non det</u> <u>Brian Gallagher A&P 558903116</u></p>
<u>10/27/82</u>	<u>2550</u>		<p><u>tech charged oil, cleaned screen Avroshell 100 non det</u> <u>Don [Signature] A&P 558903116</u></p>
			<p>Date <u>3-16-83</u> Total Time <u>2554</u> <u>94 SMOH</u> I certify this <u>ENGINE</u> has been inspected in accordance with a <u>100 hour</u> inspection and was determined to be in an airworthy condition. Signature: <u>Don [Signature]</u> A&P No. <u>558903116</u> <u>Cap Tot @ Don #1/75 #2/75 #3/70 #4/70</u> <u>Oil changed with Avroshell 100w</u></p>
			<p>Date <u>3-16-83</u> Total Time <u>94 SMOH</u> I certify this <u>Engine</u> has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in an airworthy condition. Signature: <u>S. C. [Signature]</u> A&P No. <u>2127609</u></p>

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			<p style="text-align: right;">540H 128</p> <p>Use <u>8-2-84</u> Total Time <u>3283</u></p> <p>I certify that the <u>ENGINE</u> has been inspected</p> <p>in accordance with a <u>major</u> inspection and was determined to be in airworthy condition.</p> <p>Signature <u>[Signature]</u> No. <u>55890216</u></p> <p>Eng Cap test #1/74 #2 271 #3 365 #4/73</p> <p>Replaced #4 carb pushed and failed. Checked oil</p> <p>changed 100W cleaned screen, replaced 2 fuel</p> <p>injector nozzles, cleaned all. <u>[Signature]</u></p>
			<p>6-11-85 Tach 2592 hrs Drained oil + cleaned screen, oil level</p> <p>8 qts 50wt shell, Replaced exhaust stud in cyl #1,</p> <p>Compression #1 74/50 #2 70/50 #3 73/50 #4 72/50</p> <p>— <u>[Signature]</u> AIP 547969946 —</p>
			<p>9-20-85 @ CHANCE ON SERVICES WITH AERO Shell W-100 7 qts,</p> <p>① clean oil screen no metal found; ② clean capped and tested</p> <p>spark plugs, check magnets timing check good, clean air</p> <p>inlet filter, oil AD 75-09-08 check engine mount members for</p> <p>cracks none found. oil AD 76-05-02 oil contamination check</p> <p>screen no metal found.</p>
			<p>I certify that the <u>Engine</u> has been</p> <p>inspected in accordance with a <u>major</u> inspection and was determined to be in</p> <p>airworthy condition.</p> <p>Signature: <u>[Signature]</u> W.O. # <u>8251</u></p> <p>Date: <u>9-20-85</u> Tach Time <u>667</u> Total Time <u>3290</u></p> <p style="text-align: right;">Sheet 143</p> <p>WLE 111 AVIATION</p> <p>2025 1st Avenue</p> <p>El Cajon, Ca. 92020</p> <p>F.A.A. Approved Repair Station #403-26</p>

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
1-3-86	86	TACH	2611
			<p>Removed Starter - Replaced Bendix Drive PN# EBA75A, Replaced bearing PN M2 298 Replaced thrust washer PN# 90-601</p> <p>Reinstalled Starter ops ok good</p> <p style="text-align: center;">Aepubya J Stuby 49511229</p>
11-7-86	TACH	2618	<p>ALL TDSF ITEMS, PER TDSF PROGRAMS Change oil services with 80W-100 7 quarts clean oil screen, C/W #D 75-09-08 Engine magnets by inspection no cracks found, C/W #D 71-05-03 by inspection oil screen no metal found.</p>
			<div style="border: 1px solid black; padding: 5px;"> <p>I certify that this <u>Engine</u> Aircraft has been inspected in accordance with a <u>FAA</u> inspection and was determined to be in airworthy condition.</p> <p>Signature <u>[Signature]</u> W.O. # <u>9920</u></p> <p>Date <u>1-7-86</u> Tach Time <u>2618</u> Total Time <u>2409</u></p> <p>WESTERN SUN AVIATION S.M. 04 2025 N. Marshall Avenue 154 El Cajon, Ca. 92020 F.A.A. Approved Repair Station #403-26</p> </div>
5-15-87	TACH	2692	<p>REMOVED & REINSTALLED FUEL INJECTION Sys COMPLETE AFTER OVMHAUL BY AUTOMOTIVE CARDS - SAFETIED AND RUN UP OK TEST FLT OK ACFT RETURNING TO SOWL P#P 1882364 IA <u>[Signature]</u></p> <p style="text-align: center;">- DOWNING</p>

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
7-31-87		2745.99	Replace cyl #4 exhaust pushrod Remove valve, check valve guide clearance check OK. Run-up check OK George W Nix IA5596+3412 AP.
8-21-87		2752.2	Removed #1 INTAKE PUSH ROD DUE TO INSTALLATION OF 2 EXHAUST ROCK ARMS CAUSING PUSH ROD DAMAGE, REMOVED #4 EXHAUST PUSH ROD DUE TO THE INSTALLATION OF 2 INTAKE ROCK ARMS CAUSING DAMAGE TO THE INTAKE PUSH ROD + ROTAR BOTH DAMAGED PUSH RODS AND INSTALLED RESPECTIVE ROCK ARMS IN THE PROPER POSN EACH CYL - CHECK ROW FOR LOCKS & RETURN TO SERVICE A&P 188 2367 <i>Charles L. Roy</i> Down
11-24-87		2822.7	The following was accomplished during the inspection Comp Cr #1 75/80 #2 71/80 #3 74/80 #4 74/80 Oil Change - Cleaned Screens Checked Magn & Plugs No open items returned to service the Date 11-24-87 <i>Charles L. Roy</i> A&P 188 2364
12-1-87		2822.7	DATE: 12-1-87 REG'N NO. N3413X TACH TIME: 2822.7 : HOBBS MTR. - TSMOH ENG: 358 TOTAL TIME 261.3 I certify that this AIRCRAFT <u>Power Plant</u> , <u>Roller-Propeller</u> , was inspected in accordance with an ANNUAL/PROGRESSIVE TYPE of INS PECTION and has been determined to be in an AIRWORTHY CONDITION at this time and date (12-1-87) <i>Charles L. Roy</i> Charles L. "Roy" Downing AGP-1/A 1882364

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
2-18-88	2653.0	2865.3	R/R MAGS TO SOUL FOR OIL LEAKS R/R TIGHTEN MAGS TO 25° RESCALED OIL SCREEN HOUSING TOST P/W AND RETURNED TO SERVICE A\$P 188 2364 Charles D DOWNING
4-3-88	2681.8	2892.1	R/R VACUUM PUMP WITH NEW MODEL P/W SIGMA TORX INSTRUCTIONS AND TORQUE VALVES OK FOR RETURN TO SERVICE, THIS DATE A\$P 188 2364 Charles D
12-21-88	2865.8	3076.1	R/R PROP SHAFT NOSE SOUL - REPLACED STARTER BOND, WATER NEW DRIVE , R/R BOLT - REINSTALLED PROP & P/W. I certify that this Prop and Eng was inspected O/A/W as an annual inspection and was determined to be in an airworthy condition at this time and date 1A 188 2364 Charles D DURING DOWNING
6-26-89	2936.8	3147.1	REMOVED CYLINDERS #3 & #4 DUE TO LOW COMP ROSSION OF 60 & 64 OVER 80. CYLINDERS SENT TO CORONA CYLINDER OVEN MAUL ROTOR # 408-112 CYLINDER CONTAINS CHROMIUM TO LIMITS R/O'D BY MANUFACTURER AND R/O'D STALLED P/W LYCOMING OVEN MAUL MANUAL 60294-7 AND RETURNED TO VALVES PER PISTON B/W TABLE OF LIMITS AND TORQUE VALVE RECOMMENDATIONS # SSP-1776 (30 APR 1979) P/W TEST P/W AND CHECKED FOR LEAKS AND THEN RETURNED TO SERVICE THIS DATE 6-28-89 A\$P 188 2364 Charles D DOWNING
11-10-89	3006.9	3217.2	CHANGED OIL + CLEANED SCREEN DURING DOWNING

DATE	TOTAL TIME BY SERVICE	TACH RECORDING METER TIME	<p style="text-align: center;">DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK</p>
12-25-89		3227	<p>PLUGS CLEANED & GAP'D. MAG. TIMING CHECKED CARB. #1 72 #2 66 #3 75 #4 77 OVER 80, ENGINE BAFLE LINE REPAIRED. MUFFLER REPAIRED NEW MANIFOLD PRESSURE LINE INSTALLED</p> <p style="text-align: center;">FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION 4755 I CERTIFY THAT <u>Fresh</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>AN ADVICE</u> INSP. AND APPROVED FOR RETURN TO SERVICE. OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY. W.O. NO. <u>8090</u> DATE <u>12-18-89</u> TAC <u>3227</u> TI. AC <u>3220</u> ENG. <u>293</u> NAME <u>Paul G. [Signature]</u></p>
10-23-90	3166.7	3378	<p>REPLACED ENGINE DRIVEN FUEL PUMP COMPLIED WITH A.D. 90-04-06 BY HOSE INSTALLATION. NO FURTHER COMPLIANCE IS NECESSARY. PROP REMOVED FOR INSPECTION AS PER A.D. 77-12-06. INSTALLED NEW BAFFLE KIT AS PER LAKE AERO STYLING. OIL COOLER, RELOCATED AS PER STC # \$A 2513NM -LAKE AERO STYLING. NEW GENERATOR BRACKETS & BOLTS INSTALLED. (GENERATOR. RETAINING BOLTS) INSTALLED HOUSING FOR FULL FLOW OIL FILTER AS PER AVCO-LYCOMING. CH 48110 OIL FILTER INSTALLED. REPLACED ALL EXHAUST GASKETS AND EXHAUST STACK MOUNTING HARDWARE. ALL SYSTEMS LEAK CHECKED. ALL SYSTEMS OPS CHECKED. RETURN TO SERVICE. LENDER <u>BRUCE [Signature]</u> <u>APR 8569258</u></p>
			<p style="text-align: center;">CALIFORNIA AVIATION OF EL MONTE 6015 SANTA ANITA AVENUE EL MONTE, CA 91731 (818) 878-7100</p> <p style="text-align: center;">F.A.A. REPAIR STATION # LGHR 0586</p>

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
3/10/90	4111.0	3420	INSTALL NEW STARTER COMPLETE - INSTALL INSIDE ON EGT PROBES - INSTALL - INSTALL ALTO DATON PAX HOODY DOGS - DIGITAL TACH METER PROBE ALL INSTALLED BY LAKE AERO STYLING PER WORK ORDER 1621 DATON 11-29-90 OPENED LEFT PWR PCT FOR INSPECTION COMPRESSION CHECK C/W LOWEST CYL 70/80 TOP 77/80 OIL CHANGED ADD ON OOTS BOWSHOUL NOW - CHANGED OIL FLUSH CROWN GAPRON PLUGS - INSPECTION I/A/W MEFS REQUIREMENTS & CERTIFY THAT THIS AIR POWER PLANT WAS INSPECTED I/A/W AN ANNUAL TYPE INSPECTION AND HAS BEEN DETERMINED TO BE IN AN AIRWORTHY CONDITION REGD DATE 1A1882364 D.S.

SERVICEABLE

Part Number 10-360
Part Name Cylinder

The part identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service.

Pertinent details of the repair are on file at this repair station under

Work Order No. 14554-262

Date 12-29-91
Signed [Signature] for
(Signature of authorized individual)

J & K CYLINDER SERVICE

FAA CERTIFICATED
REPAIR STATION NO. X73R969L

12189 Front St.
Norwalk, CA 90650

talite alternator 5/N 113826,
Precision Standard Vacuum
STC 5E1779NM - Ser 337, Reg'd

FAA APPROVED REPAIR STATION #NT3R722L

component was
inspected in accordance
with Air Regulations and
worthy for return to
service
LAKE AERO STYLING & REPAIR
LAMPSON FIELD - P.O. BOX 545
LAKEPORT, CA 95455 (707) 263-0412
Jan E. Allen

#1 CYLINDER FOR OVERHAUL
PRICED & YELLOW TAGGED BY
HOME REPAIR STA #X73R969L WORK ORDER
CYLINDERS REINSTALLED W/NEW PUSH ROD
ILVE COVER BASKET BASE ORINA INTAKE &
ETS TORQUE VALUES AS PER LYCOMING
92 TABLE
SAMUEL WHELY TAYLOR
AIP 30858807
Kurt Wif...

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
3/10/90	4111.0	3420	INSTALL NEW STARTER COMPLECTOR - INSTALL INSPECTOR BOT PROBES INSTALLED - INSTALLED ALTON DATON POK HOONY DODGS - DIGITAL TACH INSTEN PROBE ALL INSTALLED BY LAKE AERO STYLING POK WORK ORDER 1621 DATON 11-24-90 DRAWN LEFT POR PIT FOR INSPECTION COMPRESSION CHECK C/W LOWEST CYL 70/80 TOP 77/80 ON CHANWOOD ADDON 8 QTS AEROSHELL 100W - CHANWOOD OIL PLUGS CHANWOOD GAPPON PLUGS - INSPO 1/A/W MECS REQUIREMENTS & Certify that this off Power Plant was inspected I/A/W an annual type inspection and has been determined to be in an airworthy condition at this time and date 1A/882364 Chell S. D.
4-16-91	3137.5		R & R Prestalite alternator 5/N 113826, installed precise fit stand, vacuum system per STC 5E1779NM - see 337, weight change. F.A.A. APPROVED REPAIR STATION #NT3722L This aircraft and/or component was repaired and inspected in accordance with current Federal Air Regulations and was found to be airworthy for return to service. W.O. 71-100 LAKE AERO STYLING & REPAIR LAMPSON FIELD - P.O. BOX 545 LAKEPORT, CA 95456 (707) 263-0412 Jan E. All
12/14/91	3496.3		REMOVED #2 & #1 CYLINDER FOR OVERHAUL CYLINDERS SERVICED & YELLOW TAGGED BY J & K AEROCHROME REPAIR STA #XFB9692 WORK ORDER #14554-261. CYLINDERS REINSTALLED W/NEW PUSH ROD TUBE SEALS VALVE COVER BASKET BASE ORINA INTAKE & EXHAUST BASKETS TORQUE VALUES AS PER LYCOMING OVERHAUL MANUAL TABLE SAMUEL WILBY TAYLOR A/P 30858807 Sam Wilby

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
8/APR 92			<p>DATE <u>8 Apr 92</u> REG'N NO. <u>N 3413K</u> TACH TIME <u>3566.1</u> HOURS MTR. _____ SMOH ENG. _____ TOTAL TIME <u>4257.1</u></p> <p>I certify that this AIRCRAFT <u>Recap - Opposed</u> <u>Pure Pent</u>, was inspected in accordance with an ANNUAL/PROGRESSIVE TYPE OF INSPECTION and has been determined to be in or AIRWORTHY CONDITION at this time and date (<u>8 Apr 92</u>) <u>Charles L Roy</u> Charles L "Roy" Downing AGP-1/A 188236A</p>
8 APR 92	3566.1 4257.1		<p>COMPRESSION CHECK ALL CYLS @ 78/80 CRANKED OIL & FILTER ABOVE BQT AMOSHELL MULTI- GRADE 15-50. BOFH MAGS P/R FOR OHVUL BY AERO ACCESSORIES, TURNS AND CHECKED OK AUTOMATIC VALVE ON SYS WAS INSTALLED FOR LOW APPRO. P.T.S. TIME DATA & TIME AIRP 1882364 <u>Charles L Roy</u> Downing</p>
5/11/93	3764		<p>COMP CHECK #1 74/80 #2 76/80 #3 78/80 #4 78/80 OIL CHANGE AEROSHELL 15W50 & 48110 FILTER AIR FILTER REPLACED BY BRACKET FOAM FILTER I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION SAMUEL WILEY TAFLINGER AP 303588017 1A <u>Samuel Wiley Taflinger</u></p>
6/8/94	3912.1		<p>COMP CK #1 74/80 #2 76/80 #3 78/80 #4 78/80 (SMO 1452 hrs.) CLEAN & GAP PLUGS, REPAIRED INFLATOR BY WELDING INSTALL NEW AIRCRAFT BOOT. I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AP 303588017 1A <u>Samuel Wiley Taflinger</u></p>

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO OF PERSON PERFORMING WORK
10/19/94		3979.0	INSTALLED NEW OIL SEAL LEFT MAGNETO, TIMED, RUN UP CHECK OK N730880001A Charles L. Downing
2 Jul 95		4039.3	OPENED OIL COMPARTMENT FOR INSPECTION CHANGED OIL ADDED 7 QTS DOWS SHOCK 15/50 CHECK VALVES AND HARNESS, CLEANED PLUGS GAPPOD & ROTATION PLUGS. CONMAN CHECK AS FOLLOWS #1 76/80 #2 78/80 #3 76/80 #4 78/80 — CHECK ONE O/A FOR MFB INSPECTION. REFS AND CLOSED ONE BAY. AIP 1882364 Charles L. Downing
2 Jul 95		4039.3	DATE: 2 July 95 REGN NO: N3413X TACH TIME: 4039.3 HOURS MTR: _____ (SMON ENGL: _____) TOTAL TIME: _____ I certify that this AIRCRAFT POWER PLANT RECIPROCATING was inspected in accordance with an ANNUAL/PROGRESSIVE TYPE of INSPECTION and has been determined to be in an AIRWORTHY CONDITION at this time and date: 2 July 95 Charles L. "Roy" Downing AIP-1/A 1882364
1-12-98	0 hrs. 3 MOH	4055.8	Engine removed for major overhaul. ALL Machine work completed by Nickson's Machine Shop - Santa Maria, CA Invoice No 2950940 ALL cyl's Chrom STD. Crankshaft bearings .006 under Rods & Mains, Camshaft reworked new followers, New crankshaft gear, piston oil nozzels, New oil pump, New rod bolts, 4 new pistons, Rings, & pin plugs. Engine installed, run-up completed. (over)

DATE	TOTAL TIME IN SERVICE	TACH/RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
			Aircraft + Engine appear to be airworthy This date 1-12-96 Daniel R. Kallenberger AIP # 1184393
8/2/96	40808		8-2-96 REG. NO. N34136 TACH TIME: 4090.8 HOURS MET. _____ MACH ENG. 35.0 TOTAL TIME 4090.8 CERT. NO. OF THIS AIRCRAFT Powerplant ROOPOPPSD was inspected in accordance with an ANNUAL/PROGRESSIVE TYPE of INS- PECTION and has been determined to be in an AIRWORTHY CONDITION at this time and date 1-8-2-96 Charles L. "Roy" Downing AIP-1/182358
8/2/96	35.0 4090.8		Opened OUG BAY FOR 1052R COMP CRK HIGH 20'S W/ALUM DUST TO ROLLOV OHL CHANGED OIL ADDER @ETS 15/50 TORO SMOG CHANGED FILTER, CHECK MAGS & LOW HANGERS CHECK BLEWS AND RETURNED TO SERVICE THIS DAY. AIP 182264 Club & Doug
9-3-96	4123		Removed Bondis Mag. 54LN 204 & 58LN 200 INSTALLED SLICK NEW 4370 & 4347/new Slick HARNESS. Run-up 75/75 drop. Aircraft returned to service. Daniel R. Kallenberger AIP 1184393

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
9806705			<p>98 OCT 05 REG N NO. N3413X</p> <p>TACH TIME: 4147.77 HOBBS MTR. _____</p> <p>FROM ENG. 93.0 TOTAL TIME 4838.8</p> <p>I certify that this AIRCRAFT <u>Powerplant</u></p> <p><u>204P-0000000</u>, was inspected in accordance with an ANNUAL/PROGRESSIVE TYPE OF INSPECTION and has been determined to be in an AIRWORTHY CONDITION at this time and</p> <p>date <u>1 OCT 05 98</u></p> <p><u>Charles L. "Roy" Downing</u></p> <p>Charles L. "Roy" Downing AGP-1/A 188236A</p> <p>OPENED OIL COMP FOR LUBS PW COMP IN CHK G/W # 178/80 # 277/80, # 378/80 # 478/80 CHANGED OIL & FILTER DOWN 7 QT AERO SHOCK 15/50 W OIL - INSTALLED NEW CH 48110 FILTER CHECKED, CLEANED & GAPPED PLUGS, CHECKED 160 HARNESS AND WAGS EXHAUST GAS MUFFLER PTS AFTER CLOSURE OF OIL COMPARTMENT. A&P 158 2364</p> <p><u>Charles L. "Roy" Downing</u></p>

REG NO	N3413X	Ron's Aircraft Service, Inc.	DATE	07/01/00
MODEL	M20E	2810 PERIMETER RD., STE. 101	W O #	9993
S/N	1114	NORTH LAS VEGAS, NV 89030	HOBBS	
ENG MOD	IO-360A1A	FAA CRS NO. RJUR641K	TACH	4194.63
ENG S/N	L-2141-51A	Engine Logbook Entry	TOTAL TIME	4885.6
POSITION	Single		TSO	138.8

Changed oil and filter inspected oil filter element. Serviced engine with Aeroshell 15W50. Compression checks 170/80, 2 60/80, 3 68/80, 4 66/80. Cleaned, gapped and rotated spark plugs. Checked magnetos per requirements outlined in inspection checklist. Ad 97-15-11 Lycoming piston pin not applicable. Retorqued all case bolts and nuts per Lycoming M/M. Engine inspected as part of an Annual inspection and was found in airworthy condition. Ground ons and leak checked ok.

FAA/PMA APPROVED

THIS MAGNETO WAS MANUFACTURED FROM ALL NEW COMPONENTS IN ACCORDANCE WITH FAR 21.303H UNDER AUTHORITY OF MMF3226 AND IS AIRWORTHY. THIS MAGNETO IS FAA/PMA APPROVED FOR APPLICATIONS LISTED IN SLICK AIRCRAFT PRODUCTS FORMS L-1058 AND F-1100. FOR LASAR™ MAGNETOS SEE L-1500. ENTER MAGNETO MODEL, SERIAL NUMBER AND DATE OF INSTALLATION AND ATTACH THIS TAG TO ENGINE LOGBOOK.

MAGNETO MODEL NO. 4347


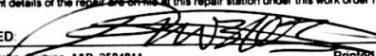

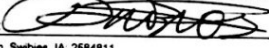
MAGNETO SERIAL NO. _____

DATE OF INSTALLATION 10-3-96

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
4/19/01			<p>TEXtron - Lycoming 5D # 549 RE. Camshaft Inspection N/A → Eng. Ser # Not Listed in Bulletin, Camshaft Not Repaired After May 1, 1997. <i>Paul</i> #26255201</p>
ENGINE MODEL IO-360-A1A ENGINE S/N L-2141-51A REG NO NS413X WORK ORDER 464-07-2001			Ron's Aircraft Service, Inc. 2810 Parimeter, Suite 101 North Las Vegas, NV 89032 Repair Station No. RJUR641K
Engine Entries			DATE 10/17/01 TTE 4 908 90 TSMOH 160 10 TACH 4 215 90
<p>Compression checks 1 75/80, 2 70/80, 3 87/80, 4 72/80. Changed oil and filter. Service engine with Aeroshell 15W50. Ground operational and leak checked okay. Removed fitting from #2 cylinder oil return line on engine. Applied teflon tape to fitting and reinstalled onto engine. Replaced oil filler tube bottom gasket. Safetied to engine. Removed prop and loosened alternator. Replaced new ball. Re-installed prop, torqued and safetied. Re-tightened alternator to achieve proper belt tension. C/W AD 93-02-05 by inspection of fuel injector lines and adel clamps. Lines and adel clamps okay at this time. Replaced gasket on #2 rocker box cover. Removed and cleaned all injectors. Re-installed injectors back onto engine and torqued. Removed leaking fuel line that goes from the fuel pump to carburetor. Made new fuel line out of new hose. Installed on engine. Leak check okay at this time. This Engine has been inspected as part of an Annual/100 hour inspection using aircraft mfg. checklist and was determined airworthy.</p>			WORK ORDER: 464-07-2001
DATE 10/17/01	SIGNED <i>Ronald K Beard</i>		Certified Repair Station No. RJUR641K
ENGINE MODEL IO-360-A1A ENGINE S/N L-2141-51A REG NO NS413X WORK ORDER 1055-01-2003			Ron's Aircraft Service, Inc. 2810 Parimeter, Suite 101 North Las Vegas, NV 89032 Repair Station No. RJUR641K
Engine Entries			DATE 2/12/03 TTA 4 915 19 TTE 4 915 19 TSMOH 166 30 TACH 4 224 19
<p>Drained oil and changed oil filter. Serviced engine with 8 qts. Aeroshell 15W50. Post maintenance run-up check satisfactory. No further defects noted. Compression checks 1 77/80, 2 77/80, 3 78/80, 4 79/80. Complied with AD 93-02-05 Inspected fuel injector lines for proper routing and security. Next Due at 4324.19. This Engine has been inspected as part of an Annual/100 hour inspection using aircraft mfg. checklist and was determined airworthy.</p>			WORK ORDER: 1055-01-2003
DATE 2/12/03	SIGNED <i>Ronald K Beard</i>		Certified Repair Station No. RJUR641K
ENGINE MODEL IO-360-A1A ENGINE S/N L-2141-51A REG NO NS413X WORK ORDER 1741-04-2004 1741-04-2004			Ron's Aircraft Service, Inc. Repair Station No. RJUR641K 2810 Parimeter Road, Suite 101 North Las Vegas, NV 89032 Phone: 702-646-6191
Engine Entries			DATE 5/20/2004 A/C TSN: 4921 11 ENG TT: 4921 11 TSMOH: 174 31 TACH: 4230 11
<p>Adjusted timing on right mag to 25 degrees. This Engine has been inspected as part of an Annual/100 hour inspection using aircraft mfg. checklist and was determined airworthy.</p>			Work Order: 1741-04-2004
DATE 5/20/2004	SIGNED <i>Ronald K Beard</i>		Printed by EBis 3 (datcomedia.com)
11-18-04	300.0	4246.9	TACH CHANGE 7125 0978. OLD TIME 4246.9 SMOH 191.1 NEW TACH TIME 0000. <i>Charles N. A</i> <i>HP454258047</i>

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
7/3/05	28.2 28.2		<p>100 HA SERVICE FOR ANNUAL INSPECTION FOLLOWING MOONEY SERVICE MANUAL M-20R AND CHECK LIST DRAIN OIL REMOVE & CUT OPEN OIL FILTER FOR INSPECTION NO METAL FOUND REPLACE WITH NEW CH48ND FILTER REFILL WITH 8 QTS AMOSHELL 100W COMP CK #1-75 #2-75 #3-75 #4-75 FBS NEW OIL / FUEL LINES & FIRE STRAPS FOUND FOREIGN MATERIAL IN FUEL SCREEN BACK AT 95 HAS ENGINE RUN SATISFACTORY OK TO RETURN TO SERVICE</p> <p><i>Ethan Buring</i> #P545644260</p> <p>All AD's Complied with thru Jun 05</p> <p>I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>Manual</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS HEREBY APPROVED FOR RETURN TO SERVICE</p> <p>TACH TIME <u>28.2</u> DATE <u>3 Jul 05</u></p> <p>HOBBS _____ TTE _____ TTAF <u>4966178</u> TSMOH <u>219-3</u> A & PIA NO. <u>518 84 9245</u> SIGNATURE <u>[Signature]</u></p>
7/7/06	45.5		<p>100 HA SERVICE FOR ANNUAL INSPECTION FOLLOWING M-20R MOONEY SERVICE MANUAL AND CHECK LIST DRAIN OIL REMOVE & CUT OPEN OIL FILTER FOR INSPECTION NO METAL FOUND REPLACE WITH NEW CH48ND FILTER REFILL WITH 8 QTS AMOSHELL 100W COMP CHECK #1 7/90 #2 7/90 #3 7/90 #4 7/90 ENGINE RUN SATISFACTORY OK TO RETURN TO SERVICE. 02-26-01,</p> <p><i>Ethan Buring</i> #P545644260</p> <p>AD's 05-19-11, 05-26-10, 06-06-16 Do not apply.</p> <p>I certify that this <u>Engine</u> has been inspected in accordance with a <u>Manual</u> and was determined to be in airworthy condition, and is hereby approved for return to service</p> <p>Tach Time <u>45.5</u> Date <u>7/7/06</u></p> <p>Hobbs _____ TTAf _____ TE <u>4924</u> SMOH <u>1286</u> IA NO. <u>492018</u> 236.6</p> <p><i>Pat Walter</i></p>

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
8/5/07	4307.2	60.3	<p>ANNUAL INSPECTION FOLLOWING MAJOR SERVICE MANUAL AND FOM 43 APPENDIX "D" CHECK LIST DRAIN OIL AIRMOR OIL FILTER CUT OPEN SAME FOR INSPECTION NO CONTAMINANTS FOUND REPLACE WITH NEW CH45110-1 FILTER SPTY SAME RE FILL WITH AEROSHELL W100 8QTS REMOVE CLWA AND REINSTALL FUEL INJECTORS COMP CHECK #1 7/80 #2 75/80 #3 75/80 #4 75/80 ENGINE RUN SATISFACTORY, INSPECTOR RETURNING AD'S SER AD LIST IN AD SECTION OK TO RETURN TO SERVICE.</p> <p>I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AND IS HEREBY APPROVED FOR RETURN TO SERVICE.</p> <p>TACH TIME <u>60.3</u> DATE <u>5 AUG 2007</u> JOB# <u> </u> TIE <u>4998.2</u> TAF <u> </u> TSMOH <u>263.19</u> (A & P) NO <u>545644260</u> SIGNATURE <u>[Signature]</u></p>
4 Apr 08	70.5		<p>Complied with AD 2008-06-51 Check Seavo Plug for tightness. No faults noted. <u>[Signature]</u> ATP 2773344</p>
6 Sept	Tach 72.6 SMOH 263.7		<p>Complied with annual inspection per 14 CFR Part 43 Appendix B and check-list. Compression ok (W 1) 70/80 2) 70/80 3) 70/80 4) 75/80. Drain oil and serviced with 8qts Aeroshell W100 PLUS. Replaced oil filter. Checked timing. <u>[Signature]</u> Complied w. AD 2473344 IA AD 93-02-05 Fuel injector lines. Next due Sept 2009 as 172.6 <u>[Signature]</u> 2773344 IA</p>

DATE	TOTAL TIME IN SERVICE	TACH/RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
10 Sept 2008	Tach	72.6	Replaced ELT battery BP-1010. Next due Nov 2010. Philip John Swibies 2773344 A+P
<p>MAKE Mooney MODEL M20e S/N 1114 REG NO N8925G WORK ORDER 0132-08-2009</p>			<p> Elite Aircraft Services, LLC. 2634 Airport Drive North Las Vegas, NV 89032 Phone (702) 835-1220</p> <p>DATE 8/28/2009 A/C TSN 4345 5 TACH 98 6</p>
<p>Airframe Entries</p> <p>Replaced alternator, P/N ALY-8520 Installed S/N J060111 Replaced alternator pivot bracket P/N 07A19474 and alt. strut, P/N 07F23268 Installed with new hardware Ops' check good.</p> <p>The aircraft and/or component(s) on was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under this work order number</p>			
DATE: 8/28/2009		SIGNED 	Work Order: 0132-08-2009 Printed by EBis 3 (datcomedia.com)
<p>ENGINE MODEL 10-360 ENGINE S/N L-2141-51A REG NO N8925G WORK ORDER 0163-10-2009</p>			<p> Elite Aircraft Services, LLC. 2634 Airport Drive North Las Vegas, NV 89032 Phone (702) 835-1220</p> <p>DATE 10/27/2009 A/C TSN 4352 1 ENG TT 4352 1 TSMOH 296 3 TACH 105 2</p>
<p>Engine Entries</p> <p>I certify that this engine has been inspected in accordance with a 100 Hr. inspection and was determined to be in airworthy condition. Compression test: #1- 75/80, #2- 74/80, #3- 74/80, #4- 78/80.... Change oil, and filter. Cut open filter, no metal found. Serviced with 8 Qts Aeroshell 100. Leak check good.... Oil sample taken..... Complied with AD2008-14-07, Lycoming Fuel Line Inspection in accordance MSB# 342E, no defects noted.</p> <p>The aircraft and/or component(s) on was repaired and inspected in accordance with current FARs rules of the Federal Aviation Regulations and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station under this work order number</p>			
DATE: 10/27/2009		SIGNED 	Work Order: 0163-10-2009 Printed by EBis 3 (datcomedia.com)
2011			
2 Feb	Tach	114.9	Annual inspection complied with per 14CFR Part 43 Appendix D and check list. Compression ck (L/W) 1) 79/80 2) 77/80 3) 77/80 4) 78/80. Check timing. Philip John Swibies 2773344 JH
	SmoH	326.0	
10 Feb	Tach	114.9	Installed beef-up reinforcement bracked on oil cooler. Philip John Swibies AHP 2773344

DATE	TOTAL TIME IN SERVICE	TACH RECORDING METER TIME
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EGA Aviation, Inc.
2642 Airport Dr.
N. Las Vegas, NV 89032
(702) 683-7507

N8928G

Tach: 0123.6 IO-360-A1A

Engine Logbook

11 Nov. 2022

WO#4676 S/N L-2141-51A

TTSO:0317.7

C/W ANNUAL inspection IAW Mooney M20E checklist and MM. Comp. check as follows:
#1 77/80 #2 77/80 #3 79/80 #4 78/80. Changed oil and oil filter with 8 qts. AEROSHELL 100+ and CH48110-1 filter. Cut prior filter for inspection with no defects noted. Removed spark plugs and cleaned, inspected, gapped and checked. Checked magneto timing and found within limits IAW engine data plate. Reinstalled spark plugs with new gaskets and torqued IAW MM. Checked all engine controls for proper travel and lubed. Install updated fuel servo plug gasket and secured with new lockwire. Removed inspected fuel inlet screen with no defects noted at this time. Reinstalled screen and secured for leak check with no leaks noted. Installed new crankshaft seal P/N LW13792 IAW Lycoming Service Manual. Replaced alternator belt with P/N 37A19773-376, adjusted drive belt tension IAW MM and secured adjustment with new lockwire. Replaced oil and fuel hoses as needed with type "D" and with fire sleeve. Installed (1) new fuel injectors to cylinder #1 with P/N 2524864-2 installed new as needed air ducting P/N Ceet-6 and secured. Checked and tightened as needed all intake and exhaust mounting hardware. Pressure checked exhaust system with no defects or leaks noted at this time. Installed new alternate air door seal IAW AC-43-13 and reinstalled and rigged control cable, op,s checked good. Installed new engine inlet air filter P/N BA-6305. C/Wed AD 2015-19-07 Fuel injector line clamp inspection. Changed Adeel clamps as needed IAW AD. Next inspection due in 110 Hrs or at Tach:0233.6. AD 2004-10-14C due at prop strike. All AD,s checked and C/Wed to date. Post maintenance run up indicate all op,s normal and no leaks noted.

I certify this ENGINE has been inspected IAW a ANNUAL inspection and has been determined to be in an airworthy condition.

Lennie John Guerin 21483690 A/P IA

