

Left

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**ENGINE
MAINTENANCE
RECORDS**

ENGINE MAINTENANCE RECORDS

Log No. 1

Aircraft Registration No. 49SF

Engine Manufacturer Continental

Model TS10-520-N

Serial No. L-217851

Date installed on aircraft 12/1/79

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

☐ Right ☒ Left
☐ Front ☐ Rear



[illegible]

This engine model TS10520NB9B Serial No. 266531-R
was rebuilt on 10-27-86 by Teledyne Continental Motors in
accordance with approved design data and the applicable requirements
of Part 21 of the Federal Aviation Regulations. The approved design data
for this engine incorporates all changes required by applicable Air-
worthiness Directives and Teledyne Continental Motors Service
Bulletins.

TELEDYNE CONTINENTAL MOTORS

Walter Pogue

 **TELEDYNE CONTINENTAL MOTORS**
Aircraft Products Division

DATE

TOTAL
TIME

TOTAL
TIME

TACH OR
RECORDING

DESCRIPTION OF WORK PERFORMED—
PERSON PERFORMING WORK

Page No. —

ENGINE DESCRIPTION

TYPE CONTINENTAL MODEL TS10-520-NB SERIAL NO. 266531-R
RATED H.P. 310 MAXIMUM H.P. _____
RATED R.P.M. 2700 MAXIMUM R.P.M. _____ OIL PRESSURE _____
BORE _____ STROKE _____ DISPLACEMENT _____ CU. IN. _____
COMPRESSION RATIO _____ GEAR RATIO _____

PROPELLER MCCAULEY HUB DESIGN 3AF32L93N/582NC515 HUB SERIAL NO. 728094
BLADE DESIGN _____ BLADE SERIAL NO. _____ BLADE SERIAL NO. _____
MAXIMUM HUB H.P. _____ MAXIMUM BLADE H.P. _____
PITCH _____ DIAMETER _____ LENGTH _____

OWNERS NAME N.L.S. INC.
ADDRESS 672 BRENTWOOD DR. CITY SOUTH ORANGE STATE N.J. 07079
P.O. Box 799

DATE

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
1986													
11-24			HOUR METER- 1996.5			T/T- 00.0					THIS ENGINE INSTALLED IN LEFT SIDE POSITION OF CESSNA 44, S/N 44-0366, USING NEW LORR MOUNTS AND BOLTS, AND NEW OIL & FUEL HOSE KIT. SEE AIRFRAME LOG FOR ACCESSORIES REPLACED. CESSNA SERVICE KIT # SK 44-18-1 INSTALLED. "OIL HEATED MANIFOLD VALVE" I/A/W INSTALLATION INSTRUCTIONS. OVERHAULED ALTERNATOR INSTALLED S/N 3K000038T, TO C/W AD# 76-2-7. OVERHAULED PRES-SURIZED MAGNETOS INSTALLED, L/R S/N 938309, R/S S/N 938325. DIAPHRAGM REPLACED, P/N 632233-30. ENGINE SERVICED WITH 12 QTS. 40 W. MINERAL AEROSHELL. ENGINE RUN-UP, ADJUSTMENTS MADE I/A/W SHOP MANUAL.		
			Work Order								certify that this ENGINE has been inspected in accordance with AN ANNUAL inspection and was determined to be in airworthy condition		
			No. 6531								Date 11-24-86 Tech Roads 1996.5 Total Hrs 00.0		
											Mech <i>Am</i> 3RD Lic. ALL 144-46-648839		
											SYREK-MEE AVIATION, INC.		
BROUGHT FORWARD													
TOTALS													

TOTAL
TIME
RECORDINGDESCRIPTION OF WORK PERFORMED—
SON PERFORMING WORK

ENGINE LOG

[illegible]

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
1987													
5-1					H/M	2122	0	T/T	125.5		100 HOUR INSPECTION COMPLETED THIS DATE, LEAKAGE CHECK DONE, SPARK PLUGS CLEANED AND GAPPED, MAGNETO TIMING CHECKED, OIL DRAINED, FILTER REPLACED, ENGINE SERVICED WITH 12 QTS 15W50 AD AEROSHELL; ALL ENGINE CONTROLS CHECKED FOR PROPER OPERATION; AD #76-2-7 C/W BY INSPECTION OF ALTERNATOR BEARING; ENGINE WASHED AND RUN-UP CHECKED OK.		
Work Order No. <u>6840</u> I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>100 Hour</u> inspection and was determined to be in airworthy condition. Date <u>5-1-87</u> Tach Reads <u>2122.0</u> Total Hrs <u>125.5</u> Mech. <u>[Signature]</u> Lic. <u>A-P 144-4E-6448</u> SYREK-MEE AVIATION, INC.													
BROUGHT FORWARD TOTALS CO 72 72 74 74 76 72													

DATE

TOTAL TIME

TOTAL TIME

TACH OR RECORDING

DESCRIPTION OF WORK PERFORMED—

SON PERFORMING WORK

Page No.

ENGINE LOG

[illegible]

TOTAL TIME	TOTAL TIME	TACH OR RECORDING	DESCRIPTION OF WORK PERFORMED— PERSON PERFORMING WORK

ENGINE LOG

[illegible]

DATE _____

TOTAL TIME	TOTAL TIME	TACH OR RECORDING

DESCRIPTION OF WORK PERFORMED—
SON PERFORMING WORK

Page No.

ENGINE LOG

[illegible]

ENGINE LOG

[illegible]

ENGINE LOG											DATE		
DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
1989													
5-19					METER-2435.9			T/T-439.4			ANNUAL INSPECTION COMPLETED THIS		
											DATE. LEAKAGE CHECK DONE SPARK PLUGS CLEANED AND		
											GAPPED, MAGNETO TIMING CHECKED; OIL DRAINED, FILTER		
											REPLACED, ENGINE SERVED WITH 12 QTS 15W50 AERO-		
											SHELL. ALL ENGINE CONTROLS CHECKED FOR PROPER		
											OPERATION; AD # 76-2-7 C/W BY INSPECTION OF ALTER-		
											NATOR BEARING; ENGINE WASHED AND RUN-UP CHECKED		
											OK.		
											I certify that this ENGINE has been inspected		
											in accordance with AN ANNUAL inspection and was		
											determined to be in airworthy condition		
											Date 5-19-89 Tech Reads 2435.9 Total Hrs 439.4		
											Mech. [Signature] Lic. A-P 144-46-64XP		
											BYREK-MEE AVIATION, INC		
BROUGHT FORWARD													
TOTALS													

TOTAL TIME	TOTAL TIME	TACH OR RECORDING	DESCRIPTION OF WORK PERFORMED—	PERSON PERFORMING WORK
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ENGINE LOG

[illegible]

DATE

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
04-20-90	YCH	2559.1	50								THIS DATE, OIL & FILTER CHANGED, ENGINE SERVICED WITH 12 QTS AEROSHELL NEW 50, ENGINE CONTROLS CHECKED AND LUBED. ENGINE WASHED AND RUN THROUGH. OK. ALL ADS OK TO DATE. (SEE AD INDEX)		
											Mech. <u>Oliver Kucemith</u> CMC: <u>APP 56480817</u>		
											Work Order No. <u>11111111111111111111</u>		
											SYNCHRONIZATION OK		
											SENT TO SHATED 3113 NO 31A NOTED		
											DATE <u>11-10</u>		
											I certify that this <u>Engine</u> has been inspected in accordance with <u>Annex</u> inspection and was determined to be in an airworthy condition.		
											Name <u>Donald Blue</u> No <u>IA1586241</u>		
											Date <u>10-7-90</u> Tach Time <u>2574.5</u> <u>577.5</u>		
BROUGHT FORWARD													
TOTALS													

TOTAL TIME

TOTAL TIME

TACH OR RECORDING

DESCRIPTION OF WORK PERFORMED—
SON PERFORMING WORK

Page No.

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
1-16-91											1-16-91 H0335 30 TT 2622 TTR 622		
FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION 4755 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN OIL CHANGE INSP. AND APPROVED FOR RETURN TO SERVICE OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY. W.D. NO. <u>5628</u> DATE <u>8-1-90</u> TAC <u>000.0</u> T.T. AC <u>2592.7</u> ENG. <u>586.2</u> NAME <u>John R. Smith</u> <u>AEW 580LL 15/50 MULTI</u>											CHANGED OIL & FILTER SERVICED WITH 11qt Shell 15W50, c/w AD 75-23-08 As per TABLE I-III/II CHANGED CLAMP AS PER AD Due Again AT 400hrs (change change)		
FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION 4755 I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH 50 hrs INSP. AND APPROVED FOR RETURN TO SERVICE OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY. W.D. NO. <u>6459</u> DATE <u>1-16-91</u> H0335-30 TTAC 2622 ENG-622 NAME <u>Robert A. Smith</u>											CHANGED OIL & FILTER SERVICED WITH 11qt Shell 15W50, c/w AD 75-23-08 As per TABLE I-III/II CHANGED CLAMP AS PER AD Due Again AT 400hrs (change change)		
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION AJ4R052M I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>oil change</u> <u>INSP.</u> AND APPROVED FOR RETURN TO SERVICE OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY. W.O. NO. <u>6830</u> DATE <u>5-1-91</u> DC <u>56.4</u> T.A.C. <u>2648</u> ENG. <u>648</u> NAME <u>Robert Smith</u> <u>changed oil and filter</u> <u>serviced with 12qt Shell 15W50</u>											oil change & filter Shell 15W50, C/W AD 75-23-08R5 annual inspection.		
FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION AJ4R052M I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>annual</u> <u>INSP.</u> AND APPROVED FOR RETURN TO SERVICE OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY. W.O. NO. <u>7058</u> DATE <u>7/11/1991</u> DC <u>57.5</u> T.A.C. <u>2660.2</u> ENG. <u>663.7</u> NAME <u>Frank Frankish</u> 1279220													
BROUGHT FORWARD													
TOTALS													

DATE

TOTAL
TIME

TOTAL
TIME

TACH OR
RECORDING

DESCRIPTION OF WORK PERFORMED—
PERSON PERFORMING WORK

[illegible]

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER		
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.					
	FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION AJ4R052M I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH RETURN TO SERVICE OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY. W/O. NO. <u>587529</u> DATE <u>4-14-93</u> TC <u>162</u> TRNG <u>759</u> ENG. <u>759</u> NAME <u>John G. Kento</u> SERVICES WITH <u>1 qt shell</u>										CHANGED OIL - filter PINCH 48109 refilled with 11 qts shell, 100				
	FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION AJ4R052M I CERTIFY THAT THIS <u>engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH RETURN TO SERVICE OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY. W/O. NO. <u>9293</u> DATE <u>4-14-93</u> TC <u>182</u> TRNG <u>769</u> ENG. <u>779</u> NAME <u>Thom</u>														
BROUGHT FORWARD															
TOTALS															

TOTAL TIME	TOTAL TIME	TACH OR RECORDING	DESCRIPTION OF WORK PERFORMED— PERSON PERFORMING WORK

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
6-10-83		WOBBS	192								resealed WASTE GATE ACTUATOR ENSTALLED new GASKETS IN WASTE GATE TRAILER - P.N. 476773 ENSTALLED NEW CLAMP ON TAIL PIPE VNUH1000 897-50		
FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION A14R052M I CERTIFY THAT THIS AIRCRAFT HAS BEEN INSPECTED IN ACCORDANCE WITH INSR AND APPROVED FOR RETURN TO SERVICE OTHER THAN INSPECTION OF THIS FACILITY. WFO NO. 9459 DATE 6-10-83 TAG 1921 AT AC 2779 ENG. 789 NAME [Signature]													
BROUGHT FORWARD													
TOTALS													

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
8-19-93	HOBBS 225		TT	8	02								
			Changed oil & FILTER										
			serviced with 1 qt's										
			Shell w/100										
FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION AJ4R052M I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN OIL CHANGE INSP. AND APPROVED FOR RETURN TO SERVICE OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY. W.O. NO. 9677 DATE 8-19-93 TAC 2089 T.T. NO. 2792 ENG. 802 NAME [Signature]													
FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION AJ4R052M I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSP. AND APPROVED FOR RETURN TO SERVICE OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY. W.O. NO. 9696 DATE 9-3-93 TAC 2244 T.T. NO. 8164 ENG. 821 NAME [Signature]													
BROUGHT FORWARD TOTALS													

DATE

TOTAL TIME

TOTAL TIME

TACH OR RECORDING

DESCRIPTION OF WORK PERFORMED—
PERSON PERFORMING WORK

Page No.

[illegible]

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.			
1994													
Changed oil & Filter serviced with 1791E Shell w/100											3-10-94 HOBBS 249		
FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT, UPLAND, CALIFORNIA 91786 FAA APPROVED REPAIR STATION A14R052M											CLW A093-16-15 By INSTALLING Drive PN 653359 As per AD A094-01-03 TCM Bendix mags		
I CERTIFY THAT THIS ENGINE											ANA 214-1005-EN		
HAS BEEN INSPECTED IN ACCORDANCE WITH B21 OIL Change INSP. AND APPROVED FOR											W. K. L. A. 10305663959		
RETURN TO SERVICE OTHER DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY.											214-1005-EN		
W.O. NO. 10124 DATE 1-10-94											214-1005-EN		
TAC 24127746 2829 ENG. 2392											214-1005-EN		
NAME [Signature]											214-1005-EN		
IN ACCORDANCE WITH											214-1005-EN		
INSR. AND APPROVED											214-1005-EN		
OTHER DETAILS OF											214-1005-EN		
ON FILE AT THIS FAC											214-1005-EN		
DATE											214-1005-EN		
BROUGHT-FORWARD											214-1005-EN		
TOTALS											214-1005-EN		

DATE

ENGINE LOG

DATE	R.P.M.		TIME ON GROUND			TIME IN AIR			TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	
	Ground	Air	Hrs.	Min.	Total	Hrs.	Min.	Total	Hrs.	Min.				
6-15-94	HOBBS	264	77	28	57	65	mo	48	61	10-11-94	HOBBS	288	changed oil / filter	
	changed oil / filter, serviced					serviced with 11gts shell w/100								
	with 10gts shell w/100 (resealed)					C/WAD 75-03-08 TABLES II & III								
	WASTE GATE ACTUATOR					C/WAD 76-02-07 Piest ALT								
	- END -					ADS 94-09-07 1 94-06-09 DNA								
	FOOTHILL AIRCRAFT SALES & SERVICE, INC.					comp #146 #240 #3.68 #4.64 #5.66 #6.60								
	CABLE AIRPORT, UPLAND, CALIFORNIA 91786					Check mag timing, installed								
	FAA APPROVED REPAIR STATION AJ4R052M					new spark plugs								
	I CERTIFY THAT THIS ENGINE					FOOTHILL AIRCRAFT SALES & SERVICE, INC.								
	HAS BEEN INSPECTED IN ACCORDANCE WITH					CABLE AIRPORT, UPLAND, CALIFORNIA 91786								
	OIL change INSP. AND APPROVED FOR					FAA APPROVED REPAIR STATION AJ4R052M								
	RETURN TO SERVICE OTHER DETAILS OF THIS					I CERTIFY THAT THIS ENGINE								
	INSPECTION ARE ON FILE AT THIS FACILITY.					HAS BEEN INSPECTED IN ACCORDANCE WITH								
	W.O. NO. 104115 DATE 6-15-94					AN ANNUAL INSP. AND APPROVED FOR								
	TAC 264 TAC 2857 ENG. 867					RETURN TO SERVICE OTHER DETAILS OF THIS								
	NAME [Signature]					INSPECTION ARE ON FILE AT THIS FACILITY								
	BROUGHT FORWARD					W.O. NO. 10750 DATE 10-11-94								
	TOTALS					TAC 288 TAC 2855 ENG. 855								
						NAME [Signature] 880895								

DESCRIPTION OF WORK PERFORMED—
PERSON PERFORMING WORK

Page No. _____

HUBBS: 457.7

PAGE

DATE	TOTAL TIME IN SERVICE	OVER
May 10 th 1955		
Renewed		
overhaul		
in accord		
Re 1132000		
Manual		
ATTN 6		
annual		
Test Date		
I certify		
at 10000 h		
Condition		
May 10 th 1955		
checked		
Engine op.		
I certify		
with an		
an Annual		
July 15 th 1955		
changed		
Test Run		
Condition		

N55PP
CESSNA 414

s/n: 414-0366

WFB: 06-73

ENGINE AD List Title 97-13

ENGINE O/H: 05-95

CONTINENTAL TS10520N13

S/N: 266531-12

S/N: 266530-2

93-08-17 26EN IN CORRECT OIL PICK-UP TUBE

93-10-02 ZGA Missing Value Key

93-16-15 2653 free Pump Drive Shaft

94-14-12 54-14 PRESENT DETENTION

94-09-07 9410 ЕЖИНЕ Улицы Саркы

95-03-14 95-05 ENGINE WORKY CHAIRS

96-12-04 96-13 Superior Posters

96-12-22 96-12 Oil future ADAPTR

96-09-06 96.10 Breakfast Am Luther

84-2602 - Paper Am fiction

89-24-03 Turbo Inlet Assy

- 75-23-08 EXHAUST INSPECTION

C/W BY US. INST.
 @ 01/17/70 05-95
 ONE - TIME
 C/W BY US. INST.
 @ 01/18/70 05-55
 ONE - TIME
 C/W BY NEW SHAKA
 @ 01/18/70 05-55
 ONE - TIME
 N/A BY AIRPLAN
 REGISTRATION NUMBERS
 N/A BY ENGINE 3/W
 MODEL : SUFFIX
 N/A BY ENGINE 3/W
 MODEL : SUFFIX
 N/A BY ENGINE
 MODEL
 N/A BY FILTER
 MOUNT DESIGN.
 N/A, TYPE NOT
 INSTALLED.
 AIR FILTER REPLACEMENT
 DUE EVERY
 500 HRS
 VISUAL Insp.
 DUE EVERY
 50 HRS
 VISUAL I.P. CHECK
 DUE EVERY
 50 HRS

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
June 1 st 1996	HOURS: 409.7	TSMOH: 86.9	94.3 OKTM	Done @ 401.7 2- (CHANGED OIL : filter) SERVICES PLUGS, CLEANED AIR FILTER, CKD ALL HSES for LEAKAGE AND SECURITY, CKD ENGINE CONTROLS for proper operation COMPRESSION TEST AS FOLLOWS: #1 76/80 #2 76/80 #3 76/80 #4 76/80 #5 76/80 #6 76/80 CKD MAG TO ENGINE TIMING. CLEANED AIR FUEL SYSTEM FITTINGS AND FUEL INJECTION ASSYS. C/W AIR 100W AND ANNUAL INSPECTION ITEMS per CESSNA Service Manual THIS DATE. I certify THAT I HAVE INSPECTED THIS ENGINE IN ACCORDANCE WITH A 100Hr INSPECTION AND DETERMINED IT TO BE IN An Airworthy Condition THIS DATE. T.D. White A/P 2329157
June 1 st 1996	HOURS: 409.7	TSMOH: 86.9	94.3 OKTM	CHECKED APPLICABLE AD NOTES thru 86.06. I certify THAT I HAVE INSPECTED THIS ENGINE IN ACCORDANCE WITH AN ANNUAL INSPECTION AND DETERMINED IT TO BE IN An Airworthy Condition THIS DATE. T.D. White A/P 2329157 IA
9/4/96	TACH TIME 425.2			CHANGE OIL & FILTER Frank Paul Etkin 1279270
1/22/97	TACH TIME 449.6 HRS	TSMOH 134.8 HRS		CHANGE OIL & FILTER ARSEHELL 100W Frank Paul Etkin 1279270 A/P
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

SUB-TOTALS this page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	CLOCK OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
1/20/98		156.4	471.2	TOTALS brought forward from previous page
6-5-98			496.9	changed oil & filter shell w 100
				FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT — UPLAND, CALIF. 91786 FAA APPROVED REPAIR STATION AJ4R052M WO# <u>2418</u> DATE <u>6-5-98</u> TAC <u>496.9</u> NAME <u>[Signature]</u>
98 Aug 09			500.1	98 Aug 09 REG'N NO. <u>N55PP</u> CLOCK TIME: _____: HOBBS MTR. <u>500.1</u> HOUR ENG. <u>185.0</u> TOTAL TIME <u>1005.5</u> <u>8948</u> certify that this AIRCRAFT <u>Power Plant</u> <u>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: <u>98 Aug 09</u> <u>[Signature]</u> Charles L. "Roy" Downing A&P-1/A 1882368
1/1/99			525.4	CHANGE OIL 100W & FILTER. <u>[Signature]</u> A&P 1279270 —
9/12/99	1571.7	237.2	552.2	I certify that the Power plant was inspected I/A/W an Annual inspection and was determined to be in Airworthy condition. Power plant I/A/W the Fessna 414 Inspect. guide. changed oil & installed new filter. Installed new spark plugs (all cyl's). Installed new air induction filter and new IGN lead springs. Pressure checked Exhaust. Engine Run for leaks OK. SUB-TOTALS this page <u>AP 56206 9860 IA</u> TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
9-30-99		553		Installed left TIT probe Alcar 86156 red + brown by: R.F. H. W. Skybest Instruments #AK4R053M
11-9-00	0283	0597		changed oil 120WAS 100W50, new CH48109 filter cut open old filter OK. cleaned + insp spark plugs + A/F idle speed + mixture. Installed new K99102M-3 LH elbow and new gasket in exhaust. cleaned exposed area. checked mag timing ok Comp #1 63/80 #2 66/80 #3 68/80 #4 70/80 #5 69/80 #6 69/80 <i>Note:</i> AD 76-02-07 cit due 0652. CW AD 2000-01-16 (b)(c) (d) (e) visual insp and pressure test found no defects. Replaced damaged rivets in center of bulkheads. (b) due 0647 (c) due 11-01 (d) due 1097, (e) due 11-01 (f) due 0783. Eng washed and ground run up OK
				FOOTHILL AIRCRAFT SALES & SERVICE, INC. CARLE AIRPORT, UPLAND, CALIFORNIA 91785 FAA APPROVED REPAIR STATION AJ4R05211 I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH <u>Annual</u> INSR AND APPROVED FOR RETURN TO SERVICE. OTHER DETAILS OF THE INSPECTION ARE ON FILE AT THIS FACILITY. WCC NO. <u>4749</u> DATE <u>11-9-00</u> TAC <u>0597</u> IT A/C <u>3190</u> ENG. <u>0283</u> SMOH NAME <u>Mule Nite</u>
3/8/01		615		oil change only
		631		oil change + filter.
9/23/01				
6/3/02		659		oil change only
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

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

DATE: 2001 NOV 18 : REG'N NO. N55PP
 TACH TIME: 634.2 : HOBBS MTR. _____
 TSMOH ENG: 8319.2 : TOTAL TIME 1239.7

I certify that this AIRCRAFT Power Power
ROCIP-OPPO 5P was inspected in accordance
 with an ANNUAL ~~PROGRESSIVE TYPE~~ INS-
 PECTION and has been determined to be in an
 AIRWORTHY CONDITION at this time and

date: (2001 NOV 18)
Charles L. Roy
 Charles L. "Roy" Downing AGP-1/A 1882364

7-10-02

Hobbs

667.5

Removed cleaned, gapped + tested all spark plugs. Comp test
 1/55 2/56 3/70 4/63 5/65 6/66

ARTEX AIRCRAFT SALES & SERVICE, INC.
 CABLE AIRPORT — UPLAND, CALIF. 91736
 FAA APPR. EPAIR STATION #A4R052M

WO# 6148 DATE 7-10-02 C 667.5

NAME As above

DATE: 2002 Dec 09 : REG'N NO. N55PP
 TACH TIME: 679.0 : HOBBS MTR. _____
 TSMOH ENG: 364.2 : TOTAL TIME 1289.7

I certify that this AIRCRAFT Power Power
ROCIP OPP 5P was inspected in accordance
 with an ANNUAL ~~PROGRESSIVE TYPE~~ INS-
 PECTION and has been determined to be in an
 AIRWORTHY CONDITION at this time and

date: (2002 Dec 09)
Charles L. Roy
 Charles L. "Roy" Downing AGP-1/A 1882364

ARTEX Artex Aircraft Supplies, Inc.
 14405 Keil Rd. NE Aurora, OR 97002
 (503) 678-7929 800-547-8901
 TSO-C91a Transport Canada Approved
 Battery Pack Only P/N 00-04-006A Rev. B
 Env. Cat. C1A/D0183/XXXXXXXXBBBBB
 REPLACE BATTERY MAY/2005

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
12-18-03		688		Changed oil 12 of AS 100W50 New #48199 & Her. CAT den old filter OK. oil sample taken, washed Eng. 2 hrs exposed exhaust ports for leaks + defects, none noted. Comp #1 59/80 Exhaust valve #2 61/80 rings #3 69/80 #4 60/80 rings #5 64/80 #6 64/80. Eng. ground run up OK.
				FOOTHILL AIRCRAFT SALES & SERVICE INC. CABLE 777 — UPLINK FAA APPRO. FAIR C
				WO# 7371 DATE 12-18-03 0688
				NAME <u>Mike Hite</u>

Date: 200 4 Jan 04Tach Time: 688 HrsEng TSOH: 373.2 HrsPrp TSOH: 855.8 HrsFAA Reg: N- 55JPAfrn T/T: 588 Hrs →Eng T/T: 1293.7 HrsPROP T/T: 855.8 Hrs

3280 Hrs T/T & Prp C/P

This Recip-Op-posed Aircraft Powerplant was inspected as defined under CFR- 14; Parts 43 & 91, along with all other applicable FARs, manufactures maintenance manuals and check-lists. Mags, Plugs & Harness were inspected.

#167/80; #267/80; #369/80; #467/80; #561/80; #667/80; Added
12 Qts ARMO Oil. I CERTIFY THAT THIS
POWERPLANT WAS INSPECTED I/A/W AN ANNUAL
INSPECTION & HAS BEEN DETERMINED TO BE IN AN
AIRWORTHY CONDITION AT THIS TIME AND DATE:

- 200 4 Jan 04

Charles L. "Roy" Downing
Charles L. "Roy" Downing - I/A 1882364 w/ A & P

12-24-04

60305 699.4

540H 384

I certify that this engine has been inspected
in accordance with a annual inspection
and was found to be in a airworthy
condition. Compression #1=72 2=74 3=68

4=72 5=74 6=65

Oil change, filter. Spark plugs cleaned and
gapped. AD 2006-01-16. Exhaust m/c B, C, D, E
pressure checked OK. Timing checked to 20°

Donald G. Altman R&P 1481667 I-A.

SUB-TOTALS this page

1-800 5627746

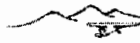
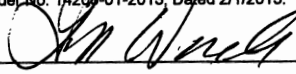
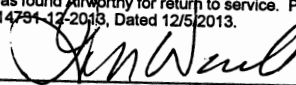
TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
	Hobbs			TOTALS brought forward from previous page
12-21-06	0743	0429		cleaned all spark plugs and gapped. check timing of Comp #1 64/80 #2 66/80 #3 66/80 #4 71/80 #5 68/80 #6 71/80 CW AD 2000-01-16 (b-g) (b) due again Hobbs 0793. (c) due again 12-07. (d) due again 1243. (E) due again 12-07 (F) due again 1243. (G) due again 3243 or 12-20 18 Installed knigly new "Y" collector, new multi V band clamp, new tailpipe and new exhaust springs as required. Engine washed and ground run up
				FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT — UPLAND, CALIF. 91786 FAA APPROVED REPAIR STATION AJ4R052M WO# <u>9035</u> DATE <u>12-21-06</u> Hobbs <u>0743</u> NAME <u>Rich Hobbs</u>
				Date: <u>20 07 MAR 04</u> Reg'n No.: <u>N- 55 P12</u> Tach. Time: <u>744.6</u> Afrm T/T: <u>3336.6</u> Eng. TSOH: <u>922.5</u> Eng T/T: <u>1350.3</u> Prop TSOH: <u>39.7</u> Prop T/T: <u>922.5</u> ***** This Air Vehicle Powerplant <u>RECIP OPSD</u> was inspected as defined under Title 14 CFR Parts 91 & 43, along with other applicable FARs, manufacturing maintenance manuals, charts and check lists. Mags; Plugs & Harnesses were inspected I/A/W all applicable Pubs. The AC 43.13-1B Chap 8; Para 8-14 required Compression Check #1, ___/80; #3, ___/80; #5, ___/80; #2, ___/80; #4, ___/80; #6, ___/80: And added ___ Qts of ___ Oil. I CERTIFY THAT THIS POWERPLANT HAS BEEN INSPECTED IN ACCORDANCE WITH THE REQUIREMENTS OF AN ANNUAL INSPECTION and WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION and RETURNED TO SERVICE; <u>Charles L. "Roy" Downing</u> Charles L. "Roy" Downing, I/A 1882364 w/A&P
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		748.7		TOTALS brought forward from previous page
				CHANGED OIL AND FILTER
				WASHED DOWN ENG. AND SERVICED
				WITH A\$100+ OIL G.R.D. RUN
				NO LEAKS NOTED.
				FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT — UPLAND, CALIF. 91786 FAA APPROVED REPAIR STATION AJ4R052M
				WO# <u>9351</u> DATE <u>7/2/07</u> TAC <u>748.7</u>
				NAME <u>Jim Welch</u>
				CHANGED OIL AND FILTER
				SERVICED WITH A\$100 W OIL
				WASHED DOWN ENGINE G.R.D. RUN
				WITH NO LEAKS NOTED
				FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT — UPLAND, CALIF. 91786 FAA APPROVED REPAIR STATION AJ4R052M
				WO# <u>9682</u> DATE <u>1-3-08</u> TAC <u>774.3</u>
				NAME <u>Jim Welch</u>
				Date: <u>2008 MAR 08</u> Reg'n No.: <u>N-55MP</u>
				Tach. Time: <u>774.3</u> Afrm T/T: <u>3366.7</u>
				Eng. TSOH: <u>932.6</u> Eng T/T: <u>1380.5</u>
				Prop TSOH: <u>89.7</u> Prop T/T: <u>632.6</u>

				This Air Vehicle Powerplant <u>OPPO500</u> was inspected as
				defined under Title 14 CFR Parts 91 & 43, along with other
				applicable FARs, manufacturing maintenance manuals, charts and
				check lists. Mags; Plugs & Harnesses were inspected I/A/W all
				applicable Pubs. The AC 43.13-1B Chap 8; Para 8-14 required
				Compression Check #1, ___/80; #3, ___/80; #5, ___/80;
				#2, ___/80; #4, ___/80; #6, ___/80:
				And added ___ Qts of ___ Oil.
				I CERTIFY THAT THIS POWERPLANT HAS BEEN INSPECTED IN
				ACCORDANCE WITH THE REQUIREMENTS OF AN ANNUAL
				INSPECTION and WAS DETERMINED TO BE IN AN AIRWORTHY
				CONDITION and RETURNED TO SERVICE;
				L <u>Charles L. "Roy" Downing</u>
				Charles L. "Roy" Downing; I/A 1882364 w/A&P
				TOTALS—Carry forward to next page

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
FOOTHILL AIRCRAFT SALES & SERVICE, INC. CABLE AIRPORT UPLAND, CA 91786 FAA APPROVED REPAIR STATION AJ4R052M I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION PER THE MANUFACTURES MAINTENANCE MANUAL AND APPROVED FOR RETURN TO SERVICE DETAILS OF THIS INSPECTION ARE ON FILE AT THIS FACILITY.				
WO# <u>11890</u> DATE <u>9-12-2011</u> TAC <u>850.5</u> T.T. A/C <u>3443.1</u> ENGINE <u>5365</u> NAME <u>Don Wade</u>				
REPLACED ALL FUEL, AND OIL HOSES WITH NEW. C/W AD 84-26-02 BY INSTALLING NEW IND. AIR FILTERS				
ENGINE MODEL: TSIO-520-N ENGINE S/N (L): L-217851 REG. NO: 55PP WORK ORDER: 14200-01-2013  Foothill Aircraft Sales & Service, Inc. Repair Station No. AJ4R052M 1749 W 13Th St Upland, CA 91786 Phone: 909-985-1977 DATE: 2/1/2013 A/C TSN: 3459.7 ENG TT (L): 553.1 TSMOH (L): 553.1 HOBBS: 867.1 Left Engine Entries (2) ANNUAL/100HOUR INSPECTION PER MANUFACTURES MAINTENANCE MANUAL. CHANGED OIL AND FILTER SERVICED WITH AS100W OIL. COMPRESSION TEST IAW CONTINENTAL MAINTENANCE MANUAL: #1:61/80, #2: 60/80, #3: 69/80, #4: 61/80, #5: 66/80, #6: 64/80.... (14) C/W AD2000-01-06 BY WAY OF (b), (c), (e). VIS. AND PRESSURE CHECK OF EXHAUST SYSTEM. CHECKS OK. Maintenance Release I certify that the Engine and/or component(s) on 55PP was repaired and inspected in accordance with a Annual/100HR. Inspection per the manufactures maintenance manual and 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 Work Order No. 14200-01-2013, Dated 2/1/2013. DATE: 2/1/2013 SIGNED:  Work Order: 14200-01-2013 Don Wade Certified Repair Station No. AJ4R052M Printed by EBis 3 (datcomedia.com)				
ENGINE MODEL: TSIO-520-N ENGINE S/N (L): L-217851 REG. NO: 55PP WORK ORDER: 14731-12-2013 Foothill Aircraft Sales & Service, Inc. Repair Station No. AJ4R052M 1749 W 13Th St Upland, CA 91786 Phone: 909-985-1977 DATE: 12/5/2013 A/C TSN: 3475 ENG TT (L): 568.4 TSMOH (L): 568.4 HOBBS: 882.4 Left Engine Entries (1) CHANGED OIL, AND FILTER, TOOK OIL SAMPLE. SERVICED WITH AS 100w OIL. WASH DOWN ENGINE, GRD. RUN NO LEAKS NOTED.... (3) REPLACED GRD. WIRE ON OIL TEMP. PROBE. Maintenance Release I certify that the ENGINE in 55PP was repaired in accordance with the manufactures maintenance manual and 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 Work Order No. 14731-12-2013, Dated 12/5/2013. DATE: 12/5/2013 SIGNED:  Work Order: 14731-12-2013 Don Wade Certified Repair Station No. AJ4R052M Printed by EBis 3 (datcomedia.com)				

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
5-1-15		583.8	897.8	TOTALS brought forward from previous page
4-1-15				I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN/A/W A ANNUAL INSPECTION AND WAS DETER- MINED TO BE IN A AIRWORTHY CONDITION
LEAK DOWN				Timothy Butcher AEP 1965051A.
#1 68/80 #2 70/80 #3 66/80 #4 70/80 #5 66/80 #6 70/80				
12/1/15				oil change & filter 910.8
ENGINE MODEL: TSIO-520-N ENGINE S/N (L): L-217851 REG. NO: 55PP WORK ORDER: 16105-05-2016 Foothill Aircraft Sales & Service, Inc. Repair Station No. AJ4R052M 1749 W 13Th St Upland, CA 91786 Phone: 909-985-1977 DATE: 5/23/2016 A/C TSN: 3512.2 ENG TT (L): 605.6 TSMOH (L): 605.6 HOBBS: 919.6 Left Engine Entries (2) C/W ANNUAL/100 HR INSPECTION ON THIS ENGINE I.A.W FAR 43 APPENDIX D . CHANGED ENGINE OIL. SERVICED WITH 10 QTS OF AS W100. CHECKED MAG TO ENGINE TIMING. ALL NEW SPARK PLUGS. PERFORMED COMPRESSION CHECK: #1 64/80 #2 64/80 #3 66/80 #4 64/80 #5 68/80 #6 68/80 . ENG WAS GROUND RUN AND LEAKED CHECKED OK. ADs CHECKED . Maintenance Release I certify that the Engine and/or component(s) on 55PP was repaired and inspected in accordance with a Annual/100HR. Inspection per the manufactures maintenance manual and 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 Work Order No. 16105-05-2016, Dated 5/23/2016. DATE: 5/23/2016 SIGNED: <i>Mike Hartman</i> Work Order: 16105-05-2016 Mike Hartman Certified Repair Station No. AJ4R052M Printed by EBis 3 (datocmedia.com)				

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RX Aviation • PO Box 3635 • Jurupa Valley, CA 92519 • 951-847-6669

Continental, TSIO-530-NB, S/N: 266531-R
TTSN: 644.2

April 2, 2019

1. Performed annual inspection on left engine IAW FAR 43, Appendix, D. Ran engine to check for normal operation, no abnormalities found. Performed differential compression check, #1:64/80, #2:52/80, #3:66/80, #4 64/80, #5: 65/80, #6:60/80. Removed engine cowling and drained oil from crankcase, removed oil filter. Removed spark plugs, cleaned and inspected plugs, set gap to .019". Adjusted timing of both magnetos to 20 degrees. Rotated and reinstalled spark plugs with new gaskets. Added 1 ounce of Spectroline AD-8609 to engine oil for troubleshooting of oil leak near front of the engine. Added 11 quarts of w100 to engine and installed new oil filter. Ran engine in to test for normal operation and leaks, no abnormalities noted. Installed (1) AN900-10 - Crush Gasket, ID:0.6250", Installed (12) UM674 - Gasket, Spark Plug, Installed (1) AD8609 - Oil Dye, Installed (1) CH48108-1 - Oil Filter.
2. Removed injectors and upper-deck reference tubes. Ultrasonically cleaned injectors and reference tubes, inspected all parts, no abnormalities noted.
3. Reinstalled fuel injectors in RH engine IAW Continental manual FI-2. Replaced all o-rings and seals, torqued injectors to 60 in lbs, torqued fuel lines to 45 in lbs. Installed (12) 630979-9 - O-Ring, Installed (6) 633958-3 - Seal, Installed (6) 628556 - Washer, Installed (6) 640612 - Washer, Rubber.

With respect to the work performed, this engine is approved for return to service. Details of work performed are on file with RX Aviation under work order: WO 1141.

Kevin Kane A&P 3533701IA

[illegible]