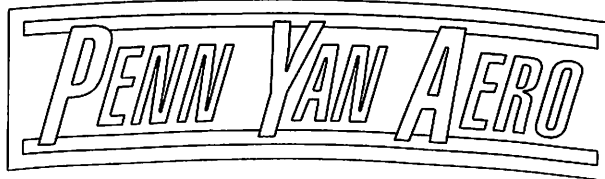


Engine Maintenance Records

Log Number:	3
Aircraft Registration Number:	N-39521 29422
Engine Manufacturer:	Lycoming
Model:	O-320-E20
Serial Number:	L-25097-27A
Date Installed on Aircraft:	1-12-05
Time Between Overhauls:	2000 Hours
Engine Position:	

The Power of Experience



Penn Yan Aero Service, Inc., 2499 Bath Road, Penn Yan, New York 14527 U. S. A.
800-727-7230
www.pennyanacro.com

[illegible]

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Person Performing Work	Page: 7
04/10/09				Change Oil + Filter 20W50 in AP# 140384867	
12-28-20	534.46	3179.26		Removed Engine FROM N3952L 	

YEAR:	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
DATE				
2-12-21	3179.26			This engine was removed from aircraft N79502 No propeller strike. W. Allen Z. Early A&P/IA46578665

Correction to the above log entry.

Change N79502 to read N3952L

W. Allen Z. Early

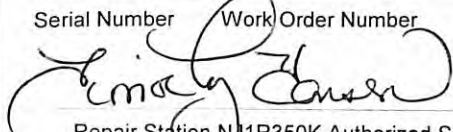
A&P/IA 46578665

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Person Performing Work	Page: 6
03/02/07		3102.48	Balance Forward		
				I have inspected this aircraft in accordance with an <u>100 hr</u> inspection and determined it to be in <u>airworthy</u> condition.	
				<u>John</u> Cert # <u>AP# 140384867</u>	
				Time in Service <u>3102.48</u> hours.	
				Date of Inspection <u>03/02/07</u>	
				I have inspected this aircraft in accordance with an <u>Annual</u> inspection and determined it to be in <u>airworthy</u> condition.	
				<u>John</u> Cert # <u>AP13164402</u>	
				Time in Service <u>3102.48</u> hours.	
				Date of Inspection <u>3-2-07</u>	
				Totals - Carry Forward	

[illegible]

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Person Performing Work
				Balance Forward
1 MAR 05	3029.6	75.0	2350	OIL CHANGED 8 QTS AEROSHELL 15W50, R+R CHAMADN 48110 OIL FILTER. J's 6000 ON ENGINE RUN. [Signature] ADP 205566212 1 MAR 2005
				N-3952L Date: 17 Apr 05 Tach: 2396.8 Total Airframe: 6439.2 6927.8 TOTAL ENG 3076.4 121.8 SMOH
				Upper and lower cowlings removed and engine thoroughly inspected. Cylinder compressions: #1 79/80 #2 79/80 #3 74/80 #4 79/80. Cleaned, regapped, and tested spark plugs and reinstalled with new 674 gaskets. Inspected oil screens, removed and replaced oil with 8 quarts Aeroshell 15W50. Replaced CH 48110 Oil Filter and saftied. Removed and replaced engine induction filter BA 6108. Removed winterization plate. Reposition tach cable one inch to prevent chaffing. Installed Reiff Electric Pre-Heater system on oil pan. Leak checks good on engine run-up. All controls lubricated and inspected, cowlings reinstalled. I certify this engine was inspected IAW 100 hour inspection and found to be in an airworthy condition.
				[Signature] Donald Smith A+P 205566212.
				WOLD AVIATION QUAKERTOWN AIRPORT 2425 MILFORD SQUARE PIKE QUAKERTOWN, PA 18951 484-951-2467 7-14-05 TACH 2498.4 TSMOH 223.3 TT 3173.9 N-3952L COWLING REMOVED AND ENGINE THROUGHLY INSPECTED. COMPRESSIONS AS FOLLOWS #1 75/80 #2 76/80 #3 77/80 #4 75/80 REMOVED AND REPLACED OIL AND FILTER, ADDED 8QTS AEROSHELL 15W50 LEAK CHECK GOOD ON RUN UP. CLEAN, INSPECT, REGAPPED AND TEST SPARK PLUGS, REPLACED LOWER #1 PLUG WITH NEW, REINSTALLED WITH M-674 GASKETS. REPLACED INDUCTION FILTER. AD 04-10-14 C1 CRANKSHFT GEAR AND GEAR RETAINING BOLT DUE @ PROP STRIKE. ALL AD'S CHECKED THRU THIS DATE. LUBRICATED ALL CONTROLS. I CERTIFY THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. A&P2548813401A [Signature]
				Piedmont/Hawthorne Aviation, Queen City Airport 1730 Vultee St. Allentown PA 18103 N3952L Date 8/9/2005 Tach 2551.7 TTE 3227.2 TSMOH 276.6 Drained oil and replaced filter with new CH48110-1 oil filter. Refilled engine with 9 quarts Phillips 20W50 XC oil. Run up and leak check good O.K. for return to service. David M Damiani [Signature]

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Person Performing Work	Page: 3
				Date: 2-1-04 Tach: 2964.7 SMOH: 10.1 Changed oil & filter using new filter P/N CH48110-1 and 8 quarts Aeroshell 80 straight mineral oil as per Penn Yan Aero recommendations. Performed ground run. Oil pressure & temperature normal. No leaks noted. <i>Gary L. Smith</i> Gary L. Smith 4627392471A	
				WOLD AVIATION QUAKERTOWN AIRPORT BUILDING B HANGER 3 484-951-2467 1-12-05 TACH 2300.0 TSMOH 25.0 TT 2979.6 N-3952L INSTALLED LYCOMING 0-320-E2D S/N L-25097-27A ENGINE WAS MODIFIED TO 160HP IN ACCORDANCE WITH STC SE3692SW INSTALLATION APPROVED UNDER STC SA2375SW ENGINE MOUNT WAS SENT OUT TO KOSOLA FOR INSPECTION AND REPAIR. INSTALLED POWER FLOW EXHAUST SYSTEM APPROVED UNDER STC SA01801AT COMPRESSIONS AS FOLLOWS #1 70/80 32 72/80 #3 72/80 #4 74/80 REMOVED AND REPLACED OIL AND FILTER, ADDED 8QTS AEROSHELL MINERIAL 80WT. LUBRICATED ALL CONTROLS. REPLACED INDUCTION FILTER. REPLACED FUEL NOZZLE ASSY P/N 47-828-F IN CARB. PER SUPPLIED INSTRUCTIONS. ENGINE THOROUGHLY INSPECTED. C/W AD 04-10-14 C1 CRANKSHAFT GEAR AND GEAR RETAINING BOLT BY REMOVE AND REPLACEMENT OF GEAR, LOCKPLATE AND BOLT. IN ACCORDANCE WITH MSB 475C.ALL AD'S CHECKED THRU THIS DATE. INSTALLED O TIME PROPELLER TORQUED AND SAFETYED. AIRCRAFT WAS RUN UP. LEAK AND OPS CHECK GOOD. AIRCRAFT WAS TEST FLOWN AND RELEASED FOR SERVICE. I CERTIFY THAT THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS FOUND TO BE IN AIRWORTHY CONDITION. A&P2548813401A <i>Allen M. Wolf</i>	
			Totals - Carry Forward		

Date	Total Time In Service	Total Time Since Overhaul	Tach or Recording Meter Time	Description of Work Performed Certificate Number & Signature of Person Performing Work																																				
				Balance Forward																																				
The accessories listed are either new or were overhauled (as indicated) and supplied with this engine: O-320-E2D Engine Model <table border="0" style="width: 100%;"> <tr> <td style="width: 33%;">L-25097-27A</td> <td style="width: 33%;">12377-03</td> <td style="width: 33%;">8/1/2003</td> </tr> <tr> <td>Serial Number</td> <td>Work Order Number</td> <td>Date</td> </tr> </table>  Repair Station NJ1R350K Authorized Signature  Penn Yan Aero Service, Inc 2499 Bath Road, Penn Yan, New York 14527 Telephone: 1-315-536-2333 www.pennyan aero.com FAA Approved Repair Station: NJ1R350K					L-25097-27A	12377-03	8/1/2003	Serial Number	Work Order Number	Date																														
L-25097-27A	12377-03	8/1/2003																																						
Serial Number	Work Order Number	Date																																						
				<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">4370 (New)</td> <td style="width: 50%;">03051723</td> </tr> <tr> <td>Right Magneto - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>4371 (New)</td> <td>03052236</td> </tr> <tr> <td>Left Magneto - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>10-5009</td> <td>BL-18-6872</td> </tr> <tr> <td>Injector/Carburetor - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Fuel Pump - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>MZ4218</td> <td>2H000369</td> </tr> <tr> <td>Starter - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Turbocharger - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Controller - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Controller - Part Number</td> <td>Serial Number</td> </tr> <tr> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Waste Gate - Part Number</td> <td>Serial Number</td> </tr> </table>	4370 (New)	03051723	Right Magneto - Part Number	Serial Number	4371 (New)	03052236	Left Magneto - Part Number	Serial Number	10-5009	BL-18-6872	Injector/Carburetor - Part Number	Serial Number	N/A	N/A	Fuel Pump - Part Number	Serial Number	MZ4218	2H000369	Starter - Part Number	Serial Number	N/A	N/A	Turbocharger - Part Number	Serial Number	N/A	N/A	Controller - Part Number	Serial Number	N/A	N/A	Controller - Part Number	Serial Number	N/A	N/A	Waste Gate - Part Number	Serial Number
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Controller - Part Number	Serial Number																																							
N/A	N/A																																							
Waste Gate - Part Number	Serial Number																																							
				Totals - Carry Forward																																				

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Book 2



The Standard

ENGINE LOG

ASA-SE-1

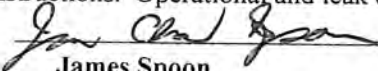
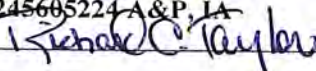
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YEAR: DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
04/10/09				Tach: 3143.87 3175
				N3952L Tach Time 3143.87 SMOH 189.27 4-9-2009
				Compressions #1 72 #2 74 #3 76 #4 76
				I certify that this engine has been inspected IAW a 100HR inspection and found to be in airworthy condition at this time.
				Joe Bennis AP 140384867
				I certify that this engine has been inspected IAW an annual inspection and found to be in airworthy condition at this time.
				John Nichols AP 131644050IA

YEAR: 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.)
				NC REG # N3952L TOTAL A/C TIME _____ HRS. DATE 04-28-2010 TACH TIME 3160.64 I CERTIFY THAT THIS A/C HAS BEEN INSPECTED IN ACCORDANCE WITH AN (SINGLE ONE) ANNUAL/100 HR INSPECTION AS PER Annual AND WAS DETERMINED TO BE IN AN AIRWORTHY CONDITION. Signature: [Signature] AP 140384867 IA CERTIFICATE NO./TYPE
				Compression?
				#1 77/80
				#2 75/80
				#3 75/80
				#4 75/80
				Replace carb air filter
				change oil
				clean spark plugs

YEAR: 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.)
	COMPRESSOR # 72/80			I have inspected this aircraft in accordance with 2 100 hr inspection and 3 and it to be in airworthy condition. Joseph B. Cert # AP 140384867 Service 3130.96 hours. Date of Inspection 03/29/08
	# 2 75/80			
	# 3 72/80			
	# 4 74/80			I have inspected this aircraft in accordance with 2 Annual inspection and 3 and it to be in airworthy condition. [Signature] Cert # AP131644050 Time in Service 3130.96 hours. Date of Inspection 03/29/08

YEAR: 2003 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.)
9-24	2954.6			"0" time since major overhaul. This engine was removed from Aircraft Cessna N79502 SN 172-58135 and sent to Penn Yan Aero, Penn Yan, N.Y. for major overhaul and installed on this same aircraft using Cessna shop manual C172 for a guide. New oil cooler & hoses was installed. Engine was ground checked several times. See Penn Yan Manual. (over)

YEAR: _____ DATE	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN	Description of Inspections, Tests, Repairs and Alterations	Number of Technician or Repair
			5/1/02 2940.91 Tach 868.09 SMOH		
				Engine cowling removed and engine washed. Removed and replaced induction air filter assembly. Removed #4 cylinder. Installed factory new Lycoming cylinder and one new push rod housing. Repaired one primer line. Replaced qty 8 REM40E spark plugs. Oil changed using 8 qts. Aeroshell 100Plus. Oil screen cleaned, no metal found. Compression checked as follows: #1 77/80, #2 77/80, #3 79/80, #4 70/80. All work accomplished in accordance with Lycoming Service instructions. Operational and leak check OK.	
				 James Spoon	237531122 A&P
				I certify that this airframe/engine has been inspected in accordance with an ANNUAL inspection and is determined to be in an airworthy condition.	
				Richard Taylor	
				Signature  245605224 A&P, IA	

[illegible]

YEAR:

DATE

11/14/01

2925.04 Tach

Removed #3 cylinder. Installed new Lycoming Cylinder assembly using new gaskets and hardware. Runup/test flight OK.

Christopher C. Comer
239395107 A&P, IA

Signature

**Cardinal Air**

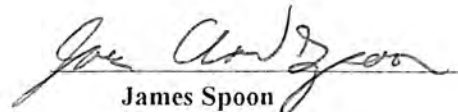
or Repair

YEAR

DATE

12/20/01 2934.94 Tach

Changed oil using 8 quarts Aeroshell W80. Screen examined, no metal found. Engine run and OPS check OK. All work accomplished in accordance with Lycoming service instructions.


James Spoon

237531122 A&P

Cardinal Air

or Repair

Book 2

Engine Record General Information

Manufacturer LYCOMING Model O-320-E2D

Serial L-25097-27A Type Certificate No. 3A12

This engine is currently installed in aircraft C-172 N7950Z N3952L

Minimum Octane Fuel ~~Aviation 80/87~~ Oil Grade: Summer ~~AS100W~~ Winter Acrosnell 15W50

Magneto Time _____ Point Setting _____ Firing Order _____

Spark Plug Gap _____

Manufacturer recommended overhaul at 2000 hours

N79502

Book 1

Cessna[®]



ENGINE

AND PROPELLER LOG

N 79502 SERIAL NO. L-25097-27A

L 25097-27A

PROPELLER INSPECTION & REPAIRS

INSPECTION			REPAIRS		
DATE	INSPECTED BY	CONDITION	DATE	REPAIRED BY	REPAIRS MADE
7/13/00	Tach 2851.24	SMOH 778.42			
					Replaced Induction Filter RA6108, Cleaned and oiled plugs washed & gaskets checked. I certify that this powerplant has been inspected in an Annual Inspection and was determined to be in an Airworthy Condition Clab Walker AWP76045360000.
7/4/001	Tach 2891.00	Clean engine, Check Compression (SMOH 786.18)			Oil and Service with Amsoil 100W50 8 qts, 1 cert. that this engine has been inspected in accordance with Navy Annual Inspection, returned to service James H. Lam AD41738512814

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1999						
3/6		2804	.8	Oil WAS changed, Screen WAS cleaned AND SKD w/8 qts of 150W Aeroshell Oil.	<i>[Signature]</i>	
5/20/99		2808	.5	Installed new starter, replaced alternator bracket w/new, Repaired carb. induction box, Resurfaced # 3. cyl. and port Flange.	<i>[Signature]</i>	
7/16/99		2815	.93	743:11 SMOKE. write up on 5-3-91 is not a MOT. Engine comp ch'd #1 78/80 & #2 78/80 & #3 72/80 & #4 78/80. Cleaned, capped & painted spark plugs - Install new Engine Air Filter. Install New Oil cooler Lines. ch'd oil screen for metal. C/W AD 9P.02-08 on the crankshaft as per SB 505B. NO CORROSION. Engine Run up & ch'd for leaks and performance.	<i>[Signature]</i>	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

PROPELLER INSPECTION & REPAIRS

INSPECTION			REPAIRS	
DATE	INSPECTED BY	CONDITION	DATE	REPAIRS MADE
		I Certify This Airframe Has Been Inspected in Accord With An Annual Inspection and Found To Be In Airworthy Condition.		
		Date <u>7-16-99</u>	Total Time <u>2815.93</u>	
		WO# <u> </u>	Tach Time <u>2815.93</u>	743:11 SMOKE
		<i>[Signature]</i>		1-H. 11H 6588
5/12/00		Tach Time 2846.42.		
		Changed oil & cleaned screen serviced with 8 qts of Aeroshell		
		w-100 washed engine & prop check. Don't think AD 257-57-516		
10/26/00		Tach 2875.71		
		changed oil & cleaned screen, serviced with 8 qts of Aeroshell w-100, ran engine, Air Filter AD 257491396		

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19 9/7/98				CONT → Ck'd electrical components + wiring. Ck eng mounts. Dressed prop + painted face. AD's research - no compliance due at this time. See back of this + #1 airframe book for AD listings END. Albert Thomas Madison A4P 88526718		
9/5/98		2748	20	SMOH 643:52 I have inspected this engine in accordance with an annual inspection and find it airworthy, OK for return to service Gordon D. Nesmith A4P 257534793IA. The Pilot Station of IRVAN DALE NESMITH 1008 Airport Rd. Thompsonville, TN 3757 - Phone 912 226 4753		
8/15/98		2782		OIL CHANGED, SCREEN WAS CLEANED AND SVC'd w/ 8qts of 100W Aeroshell oil.		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
10/1/98				Tach 2789.2 SMOH 526.23 Engine O/H @ 2262.97/5-3-91 Cleaned + gapped plugs. Checked Compression, ALL Cyl's 74 And Above, Checked MAG timing. Inspected + Lubed A/I A/C controls. In AD 69-15-03 Heater Muffler by Inspection Replaced induction element, Cleaned fuel screens. I certify this engine WAS inspected I/A/W AN Annual Inspection + WAS determined Airworthy. J.M.H. 257359783AH		
10/1/98				Tach 2789.2 I certify that aircraft engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition Randy McGee 25366238 IH.		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19 9/18/96				TACH 2665.52 SMOH 560.8 This eng has been inspected 1/A/W Lycoming service manual, 43:13-1A + Plane Station check list for 100 hr inspection. Oil change w/ 8 qts w/ 100 Aeroshell, screens ckd + cleaned. Ckd mag timing and condition. Cleaned & gapped spark plugs. Replaced Brackett Air Filter Assy w/ BA-5110 new style, ending recurrency of AD 96-09-06. Electrical system ckd - repaired alternator bracket. Dressed prop & painted face & tips. Ckd eng control travels, reinforced carb heat lever. Replaced push rod tubes on #1 & #4. Researched AD's - AD 93-18-03 carb Venturi complied w/ at O/H ("V" stamp on data tag) See back of this logbook for complete listing. END Eng washed ran & ckd for operation & looks - OK. END Alvin Thomas Madison A&P 88526718		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19 9-18	Tch	2665	52	SMOH 560.8 I have inspected this engine in readiness with an ANNUAL inspection and find it AIRWORTHY OK for return to service. Alvin Thomas Madison A&P 88526718 The Plane Station for 1008 Airport Road, Tennesse, GA 31757 Phone 912 226 4753 W.O.# 543		
5-2-97	TACH	2731	20	SMOH 626.57 INSTALLED NEW GILL G25 Battery. Changed oil, cleaned screen refilled with 8 qts w/ 100 Aeroshell oil, washed engine ran checked for leaks, repaired one leak on Right rear Rarbox cover OK for return to service - Alvin Thomas Madison A&P 257584793 TA.		
9/3/97		2748	20	SMOH 643.52 This eng has been inspected 1/A/W Lycoming Service Manual, 43:13-1A + Plane Station Checklist for 100 hr inspection. Mags & timing ckd. Spark plugs cleaned & gapped. Compression tested: #1 $1\frac{7}{8}$, #2 $1\frac{7}{8}$, #3 $1\frac{7}{8}$, #4 $1\frac{7}{8}$. Exhaust & induction systems ckd - resurfaced #3 exh port, replaced Brackett air filter element BR6108. Ckd heater muffler. CONT →		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19						
8/23/95		2579	56	SMOH 506.84 This eng has been inspected 1/A/W Lycoming Service Manual, 43:13-1A, Plane Station Checklist for 100hr inspection. Change oil w/ 89ts W100 Aeroshell, ckd & cleaned screen. Ckd magnetos & adj'd timing. Replaced spark plugs w/ new REM40E. Resurfaced #3 cyl/ exhaust port. Replaced Brackett air filter element w/ PAC108 & ckd gasket. Performed compression test: #1 $\frac{70}{80}$, #2 $\frac{74}{80}$, #3 $\frac{70}{80}$ & #4 $\frac{74}{80}$. Electrical components & wiring ckd. Fuel strainer ckd & cleaned. Prop dressed. Engine mounts ckd. Cabin heat inlet hose replaced. Heater muffler ckd for leaks. Eng controls travels ckd stop to stop. Eng washed ran & ckd for leaks and operation - OK. AD's researched - Venturi inspt'd 1/A/W AD93-18-03 No further compliances due at this time. See back of this log book for Eng AD listings. END. Albert Thomas Mahon A#P 88526718		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19 95						
8/24/95		2579	56	SMOH 506.84 I have inspected this Engine in accordance with an Annual inspection and find it in an airworthy condition. OK for return to Service on Ivan D. Nesmith A#P 257584723 I.A. W.O.# 392 IRVAN DALE NESMITH - The Plane Station, Inc. 1008 AIRPORT RD. Thomasville Georgia 31792 Phone 912 226 4753		
01-21-96		2629	00	SMOH 524.28 changed oil, refilled with 89ts W100 Aeroshell checked screen, insrc used new 90076 crush washer washed engine checked for leaks found none - OK for return to Service. Ivan D. Nesmith A#P 257584723 I.A.		

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

[illegible]

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

[illegible]

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19 <u>93</u>	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
7-3		2342	98	SMOH 270916 I have inspected this engine in compliance with an Annual inspection and find it in an Airworthy Condition for return to Service A/D's in Airframe Log book #1. Details on file at The Plane Station, Route 7 Box 285 Thomasville, GA 31792	Irwan D. Nesmith A&P 2575847937A	
		2406	-	oil change	IRWAN DALE NESMITH	

CARRY ACCUMULATED TOTAL TIME FORWARD TO TOP OF NEXT PAGE

ENGINE LOG

DATE 19	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
JULY	13/1994	Tach	Time 2448:90	SMOH 376:08 T 2448:90		
				This eng has been inspected 144/W Lycoming service manual, 43:13-1A + Plane Station Checklist for 100 hr inspection. Mags ck'd & timed. Plugs cleaned & gapped. Replaced Brackett air filter element. Compression ck'd #1 74/80, #2 75/80, #3 74/80, #4 76/80. Oil changed w/ 8qts w/100 Aeroshell ck'd & cleaned oil screens. Ckd starter pushers. Ckd heater muffler. Ckd control operations. Ckd prop & dressed. Ckd exhaust & induction systems. Repaired airbox support. Ckd A/D's - No compliances due at this time. END	Irwan D. Nesmith	
				AT 88526718		
7-13-94	TIS	2448	90	I have inspected this engine in accordance with an Annual inspection and find it Airworthy. A/D's BACK OF AIRFRAME LOG BOOK #1 - OK for return to Service -	Irwan D. Nesmith A&P 2575847937A	
	SMOH	376	08		IRWAN DALE NESMITH - The Plane Station, Inc. Route 7 Box 285 Thomasville, GA 31792 Phone 912 226 4753	
	TACH	2448	90			

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ENGINE LOG

DATE 1990	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
9-14		2234	82	Adjust Mixture & Static RPM to 2260/2300 Irvan D. NeSmith 257584793 A&P		
5-3-91		2262	97	This eng has been insp'd I/A/W 100 hr but inspection as outlined in Manufacturer's maintenance manual 43:13-1A & Plane Station check list. Eng was found to have rough idle & low static RPM - Replaced camshaft with Lycoming factory new. Crankshaft was certified & polished as per green tag on this page. Replaced main & rod bearings, tappets, intake tube & all seals & gaskets. Eng was reassembled as per Lycoming instructions. Oil was changed w/ W-50 Aeroshell 89TS ch'd & cleaned oil screen. Fuel strainer ch'd & cleaned. Replaced spark plugs w/ REM40E. Carb was removed and overhauled as per yellow tag and reinstalled. Eng run & operationally ch'd - OK Aircraft test flown and cowling removed CONT.		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1991				CONT. to inspect eng, cowling reinstalled. END Alfred Thomas Madison A&P 88526718		
5-10-91		2262	97	I have inspected this engine I/A/W an Annual inspection and find it in an Airworthy condition and is OK for return to service Irvan D. NeSmith A&P 257584793 IA		
6-5-92		2304	84	I have inspected this engine I/A/W an Annual inspection and find it in an Airworthy condition and is O.K. for return to service. Details on file at The Plane Shop P.O. Box 940 Thomasville GA 31799 - N.O.# 91480 Irvan D. NeSmith A&P 257584793 IA IRVAN D. NE-SMITH		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
1989 4/28	213873			Aircraft inspected in accordance with 100 hr inspection - comp checked, mags timed, oil changed, plugs cleaned & gapped, gas & oil screens checked & cleaned, muffler inspected, brushes checked on Alt & started. * #1 7/80, 2 7/80, 3 7/80, 4 7/80.	<i>[Signature]</i> A & P 2215798	
Date 5-1-89 Time In Service 213873 Hrs I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition Bobby Ruiz AP2009793 Inspection Authorization <i>Bobby Ruiz AP 2009793 1A.</i>						

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
1989 6-16	216118	2161	38	Replaced #2 Top spark plug & oil Refilled oil with 2qts 100W AeroShell Serviced Battery Test Run OK for Return to Service - Trans. Return	<i>[Signature]</i> A & P 257584793 IA	
10-23	218921			Drained & replaced oil w/100 AeroShell (2qts). Pan and chd for leaks END	<i>[Signature]</i> A & P 88526718	
11-15	220225	2202	25	INSTALLED NEW CARB HEAT CABLE ASS'y P/N 51230-15 - CK'd WATER LEVEL IN BATTERY.		
7-20-90	222102	2221	02	I certify that this Aircraft Engine has been insp'd in compliance with an annual inspection and was determined to be in an airworthy condition - Trans. Return	<i>[Signature]</i> A & P 257584793 IA	

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19

19 87

1025-

Total Time 2112 of which this engine
 has been inspected in
 accordance with an Annual inspection
 this 10-25-88 and has been found
 airworthy H.R. Morrison 1590140

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DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
19				W.O. 0332	Danny McMiller AIP 260907268.	
				Date <u>2-25-86</u> T.T. (L) <u>2072</u> (R)		
				FAA Rep. Sta. # _____ W.O. <u>0332</u>		
				I certify that this AC/Eng. has been inspected in accordance with a <u>ANNUAL</u> inspection & has been found airworthy.		
				Sig. <u>[Signature]</u>		
				Cert. # <u>1590140</u>		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
1985 2-20		2000	00	OIL changed screens chkd - O.K. Erwan D. Nexmith 257584793 A&P		
2.24.86				Engine disassembled cleaned & Inspected for cracks. Camshaft lobes reground to spec. & magnetic particle inspected. Gears in Acc. case Magnaflux Inspected. All 4 connecting Rods Magnaflux Inspected, Rebrushed & Fit cut & chkd. Alignment. Crankshaft was plated & Baked Flange, polished journals dimensionally & Magnaflux inspected. MAINS & pins to standard. All cyls. Rebuilt with new parts to new limits. Both mags Replaced with new slick 4250R & 4251R mags. Engine assembled to spec. All new gaskets & seals put in engine with gasket sealant where		
4033	1668.1					
Tach	2072.82					
Smolt	8					

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19				needed. New Intake Tubes put on Induction system. New SPARK plugs put in top & Bottom Air Setting to .020. Spark plugs Torqued to 39 in lbs. with Anti-Seize Applied. New Breather Air Filter Assy. Installed. Mags Timed to 25° BTC. Prop Installed. Tracked & Belts Torqued to spec. & SAFTIED. All Bolts Torqued to spec. New Rings Installed on All pistons to spec. All parts, cam, crankshaft, cylinders, gears, conn. Rods, & mags yellow tagged. Engine Filled with oil - mineral oil (Aerashell 50w.) Break in run performed per run up in Lycoming overhaul manual. All bearings & moving parts & gears pre-lubricated before assembly & run-up. Compression chkd before & after run-up chkd. good. All A.D.S. Complied with to date. Washed down & Cooled. New Valve Tappets & Bodies were also installed new. Work on crankshaft, camshaft & Magnaflux test done outside of shop.		

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ENGINE LOG

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IO THS			
16 FEB 81	TACH 1770.7			REPLACED 4EA SPARK PLUGS REM40E, CARB HEAT AERO DUCK REPLACED, INSTALLED EXHAUST CLAMP - LOWER R/H REAR (MISSING) RETIMED BOTH MAGS, REPLACED ALL ROCKER COVER GASKETS, CHANGED OIL - CKED SCREEN REPLACED SCREEN HOUSING P/N 69510.		
I CERTIFY THIS ACFT. ENG. HAS BEEN INSPECTED I / A/W 100 HR. INSPECTION & WAS DETERMINED TO BE IN AIR-WORTHY CONDITION. LARRY J. BIBLE A & P 1908771						
2-16-81	TACH 1720.7			I CERTIFY THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE AIRWORTHY		
Larry J. Bible 1A1885231						

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IO THS			
11-1-82		1864		Changed oil, cleaned and screens, cleaned + greased spark plugs, checked compression all cylinders above 75%. Tightened alternator bolts, installed clamps on carb heat box, tightened all rocker box cover screws, worked down engine room up & checked.		
11-1-82 Tach Time 1864 Total Time 1864						
Certify that this ENG has been						
inspected in accordance with A ANNUAL						
inspection and was determined to						
be in an airworthy condition.						
Signature Robert Martin						
I.A. 1330944						

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19				THOMASVILLE AIRCRAFT SERVICE, INC.		
				ENGINE - drained oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator brushes, checked mags and timed properly, checked prop for leaks and grooves, functionally checked engine,		
				Replaced Exhaust Muffler with New. Wall COLMONOX - MICROCRATE 50-00127B2 WCC S/N 9-142		
				I certify that this aircraft has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition.		
				Date <u>10-15-77</u> Tech reads <u>1645</u> Total <u>1645</u>		
				<u>F.R. Morrison</u> 1590140		

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ENGINE LOG

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ENGINE LOG

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19				THOMASVILLE AIRCRAFT SERVICE, INC.		
				7-17-79 Replaced Left Mag with Overhaul/Exchange Mag S/N 9031079R P/N 14P/ H.A. Morrison 1590140		
				Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked valves and generator brushes, checked mags and timed properly, checked prop for leaks and grooves. Functionally checked engine.		
				I certify that this aircraft has been inspected & approved with a <u>Auxiliary</u> inspection. and was determined to be in airworthy condition.		
				7-27-78 1524 1524 H.A. Morrison AF 1590140		

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ENGINE LOG

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ENGINE LOG

DATE		DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
19			HOURS	10THS			
			THOMASVILLE AIRCRAFT SERVICE, INC.				
			I certify that this aircraft has been inspected in accordance with a <u>100 hour</u> inspection and was determined to be in airworthy condition.				
			Date <u>7-14-76</u> Tech reads <u>1232</u> Total <u>1232</u>				
			by <u>R. H. Johnson</u> No. <u>1590140</u>				
			</				

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19						
				THOMASVILLE AIRCRAFT SERVICE, INC.		
				ENGINE--Drained oil, cleaned screens, checked & cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator brushes, checked mags and timed properly, checked prop for leaks and grease. Functionally checked engine.		
				#1-75 #2-70 #3-74 #4-74		
				"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>10-22-75</u> Tech reads <u>1029</u> Total <u>1029</u>		
				Signature <u>H.B. Williams</u> No. <u>1590140</u>		

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
8 APR 76		1117	3	CLEANED SPARK PLUGS, CHANGED OIL, CKED & CLEANED FUEL - AIR - & OIL SCREENS & FILTERS, RETIMED BOTH MAGS TO 250 BTC, COMP CR 1 ⁷⁵ / ₈₀ 2 ⁷⁵ / ₈₀ 3 ⁷⁵ / ₈₀ 4 ⁷⁵ / ₈₀		
				I CERTIFY THIS ACFT ENG HAS BEEN INSPECTED 1/A/W ANNUAL INSPECTION & WAS DETERMINED TO BE IN AIRWORTHY CONDITION		
					Larry J Bell	
					APR 19 1976	

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
1-18-74	TAC	Time	802.69	Replaced sparkplugs. Replaced all pushrod tube seals.		
I certify that this aircraft has been inspected in accordance with a 100 Hour inspection and was determined to be in Airworthy condition. Date: 1-18-74 Total time of Aircraft: 802.69 <i>A. H. Hudson</i> Engine Aircraft Services A. H. HUDSON I & A. 124552						
5/10/74	OIL CHANGED	CHEVRON 50WT	864.52	TAC	<i>Kenny Deble</i>	
AP 1544557						

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	IOths			
2/8/75		922		100 HOUR INSPECTION COMPLETED. OIL CHANGED/SCREEN CLEANED. AIR FILTER CLEANED. EXHAUST & HEAT SYSTEMS INSPECTED. SPARK PLUGS CLEANED & GAPPED. COMPRESSION CHECKED, 6 ¹ / ₈₀ 7 ¹ / ₈₀ 6 ⁵ / ₈₀ 7 ¹ / ₈₀ . ALL ACCESSORIES CONDITION & ATTACH CHECKED. ENGINE CONTROLS CONDITION/ATTACH & OPERATION CHECKED. ENGINE MOUNT, BAFFLING & COWLING/PROP & SPINNER INSPECTED. FIREWALL SEALS CHECKED. ENGINE RUNUP THROUGHOUT OPERATING RANGE SATISFACTORILY.	<i>William E. Husk</i>	
TACH 922. TOTAL 922. TLT. 119.3						
AP 1256710 A-I						

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 70 9/5		309	33	OIL CHANGED CHEVRON 50W	James Deble	ATP1544557
		344	00	" " " "		
6/11/71		385	00	" " " "	J. Deble	ATP1544557
10/28/71		428	82	100 HR INSP. COMPLETED THIS DATE. COMP. CK #1-70 #2-70 #3-70 #4-70. NEW SPARK PLUGS INSTALLED. OIL & FUEL SCREENS OK. OIL CHANGED USING CHEVRON 50WT. EX. SYSTEM & HEAT MUFF CK. CARB FLUSHED. NEW AIR FILTER INST. ENG RUN UP & CK FOR LEAKS. ENG FOUND AIRWORTHY.	James Deble	ATP1544557
I certify that this <u>ENGINE</u> has been inspected in accordance with <u>ANNUAL</u> inspection and was determined to be in <u>airworthy</u> condition. Date <u>28 OCT 71</u> Aircraft Time <u>428.82</u> Power Plant Time <u>179.35</u>						

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ENGINE LOG

DATE	DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
		HOURS	10THS			
19 72 6/1		506	32	OIL CHANGED CHEVRON 50W	J. Deble	ATP1544557
11-1-72	TAE	596.50		WELD CRACKS IN MUFFLER TO BATTERY GENERATOR BET. CLEANED SPARK PLUGS		
I certify that this <u>ENGINE</u> has been inspected in accordance with <u>ANNUAL</u> inspection and was determined to be in <u>airworthy</u> condition. Date <u>11-1-72</u> Total time of <u>ENG</u> <u>596.50</u> I.A. # <u>1635578</u> Hudson Aircraft Services						
7/20/73		658	93	OIL CHANGED CHEVRON 50WT	J. Deble	ATP1544557
8/6/73		728	76	OIL CHANGED CHEVRON 50WT	J. Deble	ATP1544557
9-18-73	TAE	756.29		REPLACE ALTERNATOR	Edmund H. Hudson	ATP1635518

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ENGINE DESCRIPTION

Mfgr. <i>Lycoming</i>	Place	Date
Type <i>H. opposed</i>	Model <i>0-320-E20</i>	Serial No. <i>L-25097-27A</i>
Rated H. P. <i>150</i>	Maximum H. P. <i>150</i>	Weight (Dry)
Rated R. P. M. <i>2700</i>	Maximum R. P. M. <i>2700</i>	Oil Pressure
Bore	Stroke	Displacement
Compression Ratio	Supercharger Ratio	Cu. In.
		Gear Ratio
Propeller <i>McCawley</i>	Hub Design <i>1C172/MTM</i>	Hub Serial No. <i>E11876</i>
Blade Design	Blade Serial	Blade Serial
Maximum Hub H. P.	Maximum Blade H. P.	
Pitch <i>53"</i>	Diameter <i>76"</i>	Length
Owner's Name		
Address	City	State

ENGINE LOG

DATE		DURATION	ACCUMULATED TOTAL TIME		REPAIRS --- ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
19	69		HOURS	10THS			
3-27		15'		25'			
6/9/70					INSTALLED CESSNA SERVICE KIT SK172-34. OIL PRESSURE		
7/7/70					LINE REPLACEMENT. IN A/W CESSNA INST. JAMES B. DUBOIS, JR. AHP 1544557		
					100 HR INSP COMPLETED THIS DATE. TACK TIME 267.37		
					COMP CK 1-70° 2-70° 3-70° 4-70°. OIL CHANGED. OIL & FUEL		
					SCREENS CK. CARB FLUSHED. PLUGS CLEANED & RECAPPED. ALL EX.		
					SYSTEM CK. ENG CONTROLS CK. ENG CLEANED, RUNUP & CK		
					FOR LEAKS. ENG FOUND AIRWORTHY. JAMES B. DUBOIS, JR. AHP 1544557		
					I certify that this <u>ENGINE</u> has		
					been inspected in accordance with a <u>Annual</u>		
					inspection and was determined to be in		
					airworthy condition.		
					Date <u>JULY 07-1970</u> Aircraft Time		
					Power Plant Time <u>267.37</u>		
					Sign <u>James B. Dubois</u> I. A. <u>179354</u>		

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