

TEXTRON Lycoming

ENGINE LOG

PENN YAN AERO

THE ENGINE PEOPLE

PENN YAN, NEW YORK

SSP 1872

TEXTRON Lycoming

Williamsport Plant
Textron Lycoming/Subsidiary of Textron Inc.

652 Oliver Street
Williamsport, PA 17701 U.S.A.
717/323-6181

ENGINE SERIAL NUMBER

L	-	3	2	1	2	8	-	3	6	A	
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IN SERVICE DATE

D D M M Y Y

0	2	0	6	8	9
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DETACH AND RETAIN THIS PORTION FOR YOUR RECORD

TEXTRON Lycoming

Williamsport Plant

Textron Lycoming/Subsidiary of Textron Inc.

652 Oliver Street

Williamsport, PA 17701 U.S.A.

717/323-6181

ENGINE LOG AND MAINTENANCE RECORD

RECORD OF TEXTRON LYCOMING 0-360-A4M, 1-32128-36A
MAKE MODEL SERIAL

FROM 2 JUNE 89 19 TO _____ 19

DETAILING TIME FROM 0000.0 TO _____
HOURS HOURS

SSP 1872

September 1987

NEW RECIPROCATING ENGINE CERTIFICATE

This is to certify that the engine as described hereinafter has been manufactured, run-in and tested as prescribed by **TEXTRON LYCOMING** specifications and Federal Aviation Regulations. No further run-in is required.

Place Engine Certificate Here

MODEL O-360-A4M

SERIAL NO. L-32128-36A

DATE 5-8-89

William L. Heiner

(AUTHORIZED REPRESENTATIVE)

TEXTRON Lycoming

FORM NO. 777-B

Williamsport Plant
Textron Lycoming/Subsidiary of Textron Inc.

652 Oliver Street
Williamsport, PA 17701 U.S.A.

ENGINE DESCRIPTION

Mfgr. TEXTRON LYCOMING	Place Williamsport, PA 17701	Date	
Type	Model	Serial No.	
Rated H.P.	Max.H.P.	Weight (Dry)	
Rated R.P.M.	Max. R.P.M.	Oil Pressure	
Bore	Stroke	Displacement	Cu. In.
Compression Ratio	Supercharger Ratio		
Reduction Gear Ratio			
Propeller	Hub Design	Hub Serial No.	
Blade Design	Blade Serial No.	Blade Serial No.	
Max. Hub H.P.	Max. Blade H.P.		
Pitch	Diameter	Length	
Name			
Address			

ENGINE LOG

SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	ENGINE T. T.	TACHOMETER	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.					
1989							
25 JUNE	4	60.6		000.0	460.6		
MAKE & MODEL			SERIAL NO.	REG. NO.	AIRCRAFT T. T.		
Cessna 172N			17272541	N 5356D	460.6		
THIS NEW LYCOMING O-360-A4M S/N L-32128-36A INSTALLED IN N5356D AT TACH TIME OF 460.6 AND AIRCRAFT TIME OF 460.6 WITH ADDITIONAL COMPONENTS AS NOTED ADJACENT. REF. STC #SA703GL S/N 264060289 AND AIRCRAFT LOG.							
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.				
Brought Forward							
Total to Date							

QTY.	PART NO.	DESCRIPTION	ENGINE LOG SERIAL No.
1	DOFF10300B 3/4	PYA60151	
2	AN7-43A	BOLT	
2	AN7-44A	"	
6	AN8H-81A5P	BOLT	
21	IN SCAT-16	DUCT	
2	S1115-29	CONE MT.	
1	S1230-19	CONTROL	
1	S1597-1-37-5	BELT	
1	S1915-1	ALT FILTER	
1	0550334-1	COOLER DUCT	
1	1552004-32	DOUBLER	
9	QT SAE#40	NON DEF OIL	
1	5.00X5-6PR	TIAE	
2	6.00X6-6PR	"	
1	S2282-2	DUCT, INLET	
Total to Date			

MAINTENANCE RELEASE

NTS-SERVICE-REMARKS SIGNATURE

The aircraft and/or component identified above was repaired and inspected in accordance with FAA Regulations and was found airworthy to return to service. Pertinent details of the repair are on file at this agency.

under work order: No. 80015 Date 6/4/89

Signed [Signature]

PENN YAN AERO SERVICE, INC. REPAIR STATION 1400 NJ SR 350K

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG SERIAL No. L-32128.36A

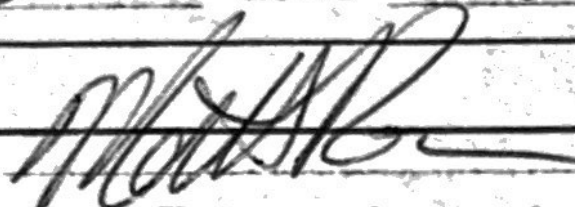
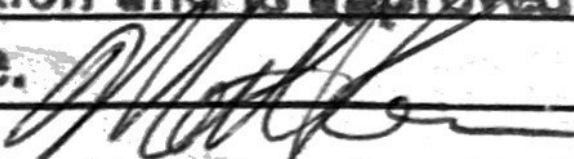
DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
9/6/89	18	3	478.9 hrs Tack - Hot diff comp Check 1- $\frac{70}{80}$ 2- $\frac{76}{80}$ 3- $\frac{72}{80}$ 4- $\frac{75}{80}$ Replaced oil Filter, Serviced engine with 8 qts of Amsoil w80 oil - END -		
				Work order <u>A0798</u> Date <u>9/6/89</u>	
				Signed <u>Ray Charles</u> for	
				Textron Lycoming Service Center	
				Repair Station No. 110-29	
				Williamsport Lycoming County Airport	
				Montoursville, PA 17754	
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG

SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
23 May 1990	57		517 Tach Changed oil (Aeroshell straight 50wt) and filter cleaned fuel strainer Check Tuning OK cleaned plugs Replaced clamp on Carb heat box D/Kang 187449935 AP		
23 May 1990	57		517 TACH I Certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy Cond.		
			R. Buppert	177309603	I.A.
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
5/20/91	10	8.4	Tach 569.0. Pertinent details of this repair are on file at this repair station under work order # <u>2032</u> date <u>5-20-91</u> Authorized Signature  Kampel Enterprises, Inc. Kampel Airport Wellsville, Pa. 17365 FAA Repair Station No. <u>021R105K</u>	 certify that this Aircraft ^{Engine} has been inspected in accordance with a <u>Annual</u> inspection and is approved for Return to Service.	
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG

SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
5/15/92			Tach 612.0 151.4 5 Mott changed oil & filter cat open old filter - ok serviced 8015 15W-50 Aeroshell. Repaired carb heat valve. compressions #1 75/80 #2 78/80 #3 77/80 #4 76/80. Details found on kamper log #2093		
			I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. <u>Matthew CRS DZ1R105K</u>		
			END		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG

SERIAL No.

[illegible]

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
6-3-94	6	58	Drained crankcase, replaced oil filter with new, torqued and safetied. Sump screen cleaned, reinstalled and safetied. Serviced crankcase with Amsoil 15W50 oil. Cleaned, gapped and tested spark plugs. Replaced all valve cover gaskets with new and torqued. Run-up, operational and idle check good.		
TSN	235	2			
I certify that this aircraft ^{Engine} has been inspected in accordance with an <u>Annual</u> inspection and is approved for return to service.			THE ITEM OR ITEMS IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE UNDER ORDER NUMBER <u>8911</u> DATE <u>6-3-94</u> SIGNED <u>William M. Hudoff</u> HARRISBURG JET CENTER CRM# AHDR094C CAPITAL CITY AIRPORT, NEW CUMBERLAND, PA 17070		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

ENGINE LOG

SERIAL No.

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
94					
12-1	728	0	REMOVES LT MAGNETO, CHECKED IMPULSE STRING, INTERNAL TIMING AND POINT GAP, REINSTALLED AND TUNED TO ENGINE. (MAG PIN 4371 O/N 89020242) CLEANED AND REINSTALLED FINGER NOZZLES. CHANGED OIL AND FILTER, SERVICED WITH ARD-SHALL 15 W50 AND CH48110 FILTER, SERVICED NOSE STRUT. GROUND RUN LEAK CHECKED AND FOUND SATISFACTORY. Pertinent details of the repair are on file at this agency under work order No. 14994 Date Dec 1 19 94 Signed Scott Frank New R.S. #IM2R930K or Columbia Aircraft Services, Inc.		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
			Time 9.5 TACH 747.5 TIME SINCE NEW 286.9		
1.			Comp ck #1/77 2/78 3/77 4/78		
2.			Time check - satisfactory		
3.			Change oil acmhell 15/50 - 29/75.		
4.			Install new FILTER CH48/110		
5.			INSTALL NEW AIR FILTER - BA 6198		
6.			Routine Maint & Cleaning Completed		
7.			SB 518 A (Thermovale Temp) Ck - satisfactory Condition		
8.			AD 95-03-02 Brushet/gasket Temp Ck - satisfactory Cond.		
			(Next Page)		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG

SERIAL No.

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
JUNE 95			Cont'd		
9			See Prop log for Service		
10			Imp thew Report dtd 12 June 95		
11			Engine Runps & Check is satisfactory. I certify that this engine has been imp TAW, an annual Imp' appt has been determined to be appropriate.		
				M. Crutcher	
				ap 422842TA	
			Page Total		
			Brought Forward		
			Total to Date		

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG

SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
10 JUN 96			TACH 280.1 HR TIME SINCE NEW 319.5 HR		
1			Check lining (25) found satisfactory.		
2			Secure Pliers needed		
3			Comp CR #1/78 #2/78 #3/77 #4/78		
4			SB 580 Imp Thermo Valve - OK - Next Due at 880 hr.		
5			Brushett AD 96-08-06 Imp Qw. Indefactory at this time Next imp 880 - Com Replacement due at 1280 hr.		
6			Change ^{74.45} oil ^{10.150} install 20 CH 48110 Filter - old Filter OK		
7			Routine Maint & Cleaning Complete.		
			(Next Page)		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
10 Jun 96			(Cont'd)		
8.			See my report dated 7 June 96		
9.			Engine Run & Check - Very Good.		
			I certify that this engine has been		
			insp IAW an <u>Annual check</u> and has been		
			determined to be airworthy.		
				<i>Mr. [Signature]</i>	
				CP 422947IA	

		Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
		Brought Forward	
		Total to Date	

ENGINE LOG SERIAL No.

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ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
9 JUNE 97			TACH 827 Hr SMOH 366 Hr. (LYCOMING REMAN)		
1.			100 hr. insp. Rep. Report this date.		
2.			Tach check satisfactory. Service & Potable Pump.		
3.			Comp CK H/75 3/78 3/77 4/78		
4.			Bushell Assy installed to Ckr AD 96-08-06 (PN BA5110A)		
5.			New oil & Fuel Hoses installed as per 5yr Rep. (303-8)		
6.			New gasket on H. (Rock Box)		
			NEW CH 5110 FILTER INSTALLED. OK 655 overhaul 15/50		
7.			Clean Cool, evy & Compartment. (Muff Page)		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
9 Jun 97			(Cont'd)		
			8. Engine Run & check is Satisfactory		
			"I certify that this Engine has been Inspected after an annual check and has been determined to be aerworthy"		
			Mr. Clout		
			Cap 422947 EA.		
Note See Rec'd of x-ls Book & Rec'd of acct by for NO Compliance					
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
2-7-98			Tech 851.9 Removed starter MHB 4016 SIN5Y000008 Installed starter MHB 4016 SIN8Y000101 Replaced Intake Gasket No 2 Cyl	Harry G. Hoffman	
				ATP 1504718	
3-13-98	Tech 852.7		Cleaned, gapped and tested spark plugs. checked magnetoe timing and priming system, found good. Run-up, operational check good. End		
THE ITEM OR ITEMS IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE UNDER ORDER NUMBER 2143 DATE 3-13-98					
Page Total			All Repair Data Must Bear the Endorsement		
Brought Forward			of a Certificated Mechanic, and his Rating		
Total to Date			and Certificate Number MUST be Shown.		

HARRISBURG IET CENTER CRS# 410094C
CITY AIRPORT, NEW CUMBERLAND, PA 17070

ENGINE LOG

SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
6-3-98			Replaced left magneto with new P/N 4371 S/N 98022328, timed to engine and		
Tach	858.	2	torgued nuts. Cleaned, gapped and tested spark plugs. Replaced oil & oil filter. Serviced		
ETSN	397	6	crankcase with Aeroshell 15W50 oil. Run-up, operational and leak check good. End		
I certify that this aircraft ^{Engine} has been inspected in accordance with an <u>Annual</u> inspection and is approved for return to service.			THE ITEM OR ITEMS IDENTIFIED ABOVE WAS REPAIRED AND/OR INSPECTED IN ACCORDANCE WITH CURRENT FAA REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. PERTINENT DETAILS ARE ON FILE UNDER ORDER NUMBER <u>2302</u> DATE <u>6-3-98</u> SIGNED <u>William Flude</u> FOR HARRISBURG JET CENTER CRS# AH18094C CAPITAL CITY AIRPORT, NEW CUMBERLAND, PA 17070		
Page Total			All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.		
Brought Forward					
Total to Date					

ENGINE LOG SERIAL No. L-32128-36A

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
6-29-99	TACH:	899:5	REMOVED #2 CYL. INSPECTED FOR CRACKS. REMOVED BOTH FRONT STUDS FOR #2 CYL. AND RESEALED. REINSTALLED STUDS TO PROPER DEPTH AND RE-INSTALLED CYLINDER.		
			GROUND RUN		
			The aircraft engine or accessory identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service.		
			Work order <u>A-6173</u> Date <u>6-29-99</u> Signature <u>[Signature]</u>		
			Textron Lycoming Service Center — Repair Station No. ED1R109K		
			Williamsport Lycoming County Airport — Montoursville, PA 17754		
			Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.	
			Brought Forward		
			Total to Date		

ENGINE LOG SERIAL No. _____

Engine Log

DA 6/30/99 Tach Time 900.3 TSNEW 900.3

439.7

SE
ER

Checked magneto to engine timing-ok. Conducted differential compression check at 80 lbs.; Cyl.#1-74lbs., Cyl.#2-72lbs., Cyl.#3-73lbs., Cyl.#4-76lbs. Checked torque on propeller bolts and saftied. Rerouted spark plug wires. Installed tie wraps and stand offs on oil lines adjacent to engine mount. Tightened oil filler neck and saftied. Tightened clamps on oil return lines. Replaced exhaust flange gaskets. Replaced baffle spring on cylinder #1. Cleaned, gapped and inspected spark plugs. Installed with new gaskets. Drained oil and inspected filter for metal-found none. Installed new filter and added 6 quarts of AS 15W-50 oil to sump. Lubricated engine controls. Operational check of engine satisfactory with no oil leaks.

All applicable Airworthiness Directives have been complied with. *REPLACED INDUCTION FILTER ELEMENT.*

See listing of all applicable Airworthiness Directives in the AD Compliance Record made a part of this logbook.

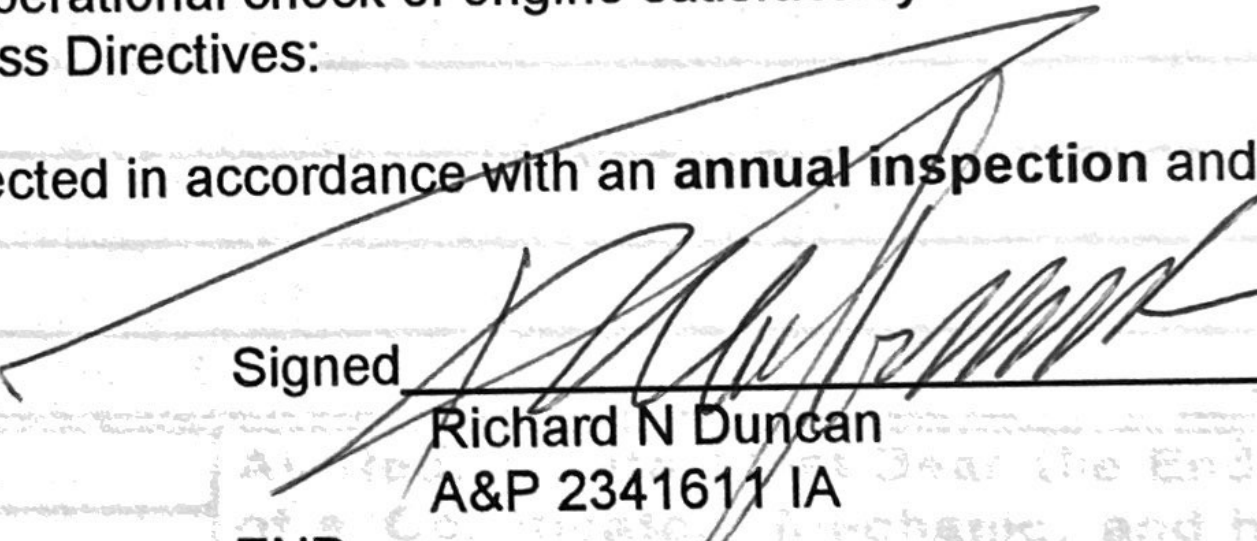
I certify that this **engine** has been inspected in accordance with an **annual inspection** and found to be airworthy.

Signed

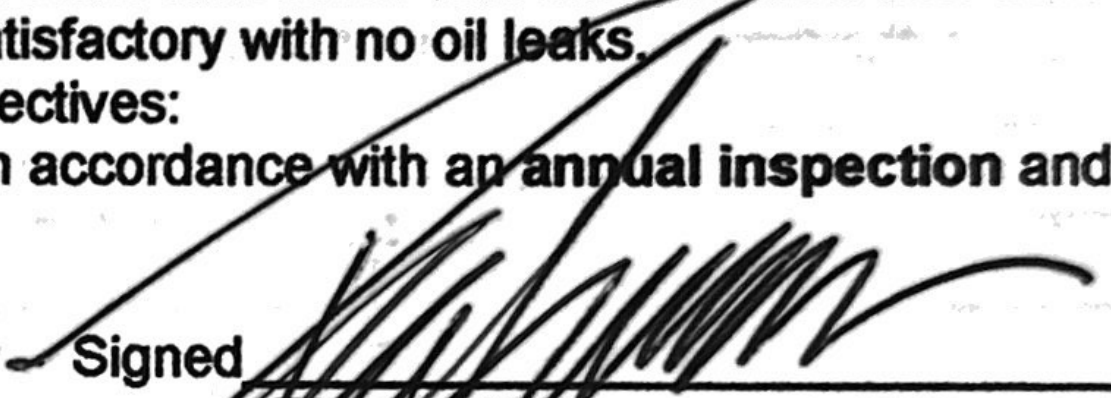
[Signature]
Richard N. Duncan

A&P 2341611 IA

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
Engine Log 06/16/00 Tach Time 928.3Hours Total Time Since New 467.7Hours Drained oil and checked filter for metal and foreign matter-found none. Installed new CH 48-110 Champion oil filter and saftied. Added 6 quarts of Aeroshell 15W50 AD oil to sump. Cleaned, gapped inspected and reinstalled spark plugs with new gaskets. Checked magneto to engine timing-ok. Conducted differential compression check at 80 lbs.; Cyl.#1-72lbs., Cyl.#2-74lbs.,Cyl.#3-70lbs.,Cyl.#4-74lbs. Tightened rocker arm cover screws. Operational check of engine satisfactory with no oil leaks. Complied with the following Airworthiness Directives: I certify that this engine has been inspected in accordance with an annual inspection and found to be airworthy.					
			Signed  Richard N Duncan A&P 2341611 IA END and Certificate Number MUST be Shown.		
Total to Date					

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			
Engine Log 06/05/01 Total Time Since New 500.8Hours Drained oil and checked filter for metal and foreign matter-found none. Installed new CH 48-110 Champion oil filter and saftied. Added 6 quarts of Aeroshell 15W50 AD oil to sump. Cleaned oil suction screen and replaced with new gasket. Cleaned, gapped inspected and reinstalled spark plugs with new gaskets. Checked magneto to engine timing-ok. Conducted differential compression check at 80 lbs.; Cyl.#1-72lbs., Cyl.#2-72lbs.,Cyl.#3-74lbs.,Cyl.#4-74lbs. Tightened rocker arm cover screws. Installed new induction filter element. Operational check of engine satisfactory with no oil leaks. Complied with all applicable Airworthiness Directives: I certify that this engine has been inspected in accordance with an annual inspection and found to be airworthy.					
			Signed  Richard N. Duncan A&P 2341611 IA END		
Total to Date					

ENGINE LOG SERIAL No. _____

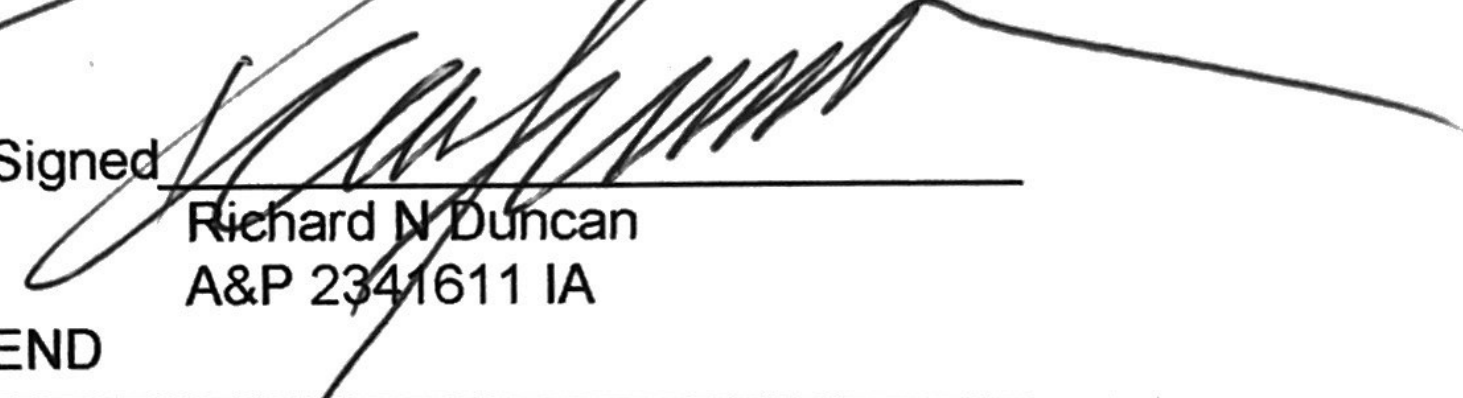
Engine Log

07/03/02 Total Time Since New 542.6Hours Drained oil and checked filter for metal and foreign matter-found none. Installed new CH 48-110 Champion oil filter and saftied. Added 8 quarts of Aeroshell 15W50 AD oil to sump. Cleaned oil suction screen and replaced with new crush gasket. Installed 3 new spark plugs and gaskets and cleaned, gapped inspected and reinstalled 5 existing spark plugs with new gaskets. Timed both magnets to engine. Conducted differential compression check at 80 lbs.; Cyl.#1-70lbs., Cyl.#2-70lbs.,Cyl.#3-70lbs.,Cyl.#4-74lbs. Replaced rocker arm cover gaskets. Installed new induction filter element. Operational check of engine satisfactory with no oil leaks.

Complied with all applicable Airworthiness Directives:

I certify that this **engine** has been inspected in accordance with an **annual inspection** and found to be airworthy.

Signed


Richard N. Duncan
A&P 2341611 IA

END

			Brought Forward
			Total to Date

of a Certificated Mechanic, and his Rating and Certificate Number **MUST** be Shown.

ENGINE LOG SERIAL No. _____

DATE TIME

LICENSE
MANAGER

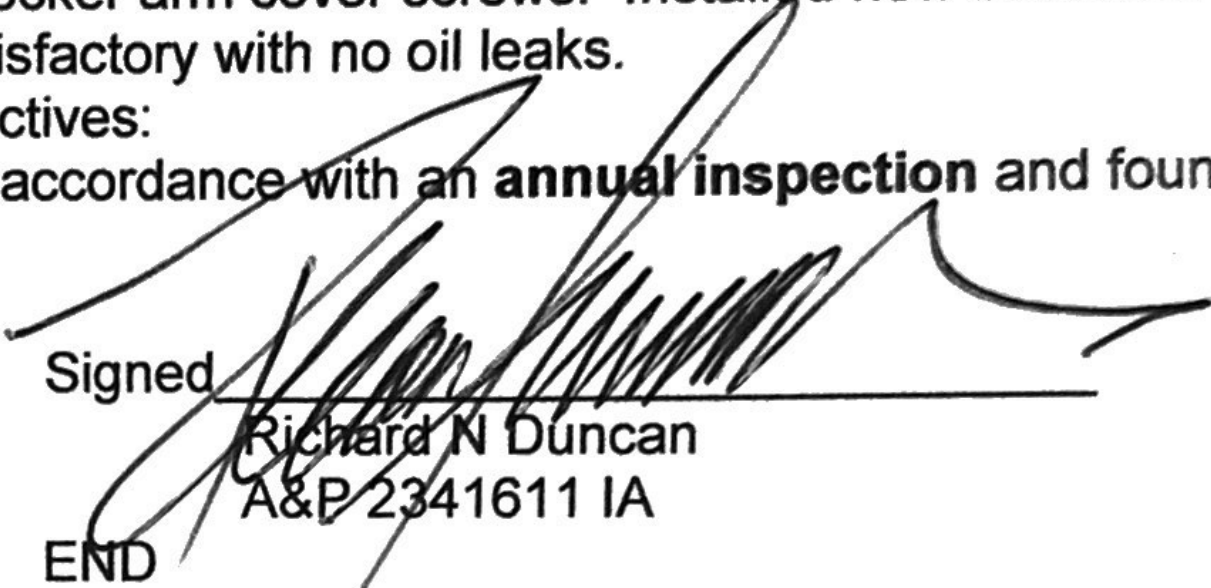
Engine Log

06/18/03 Total Time Since New 567.3 hours Drained oil and checked filter for metal and foreign matter-found none. Installed new CH 48-110 Champion oil filter and saftied. Added 8 quarts of Aeroshell 15W50 AD oil to sump. Cleaned, gapped inspected and reinstalled spark plugs with new gaskets. Conducted differential compression check at 80 lbs.; Cyl.#1-77lbs., Cyl.#2-74lbs.,Cyl.#3-75lbs.,Cyl.#4-76lbs. Tightened rocker arm cover screws. Installed new induction filter element. Operational check of engine satisfactory with no oil leaks.

Complied with all applicable Airworthiness Directives:

I certify that this **engine** has been inspected in accordance with an **annual inspection** and found to be airworthy.

Signed


Richard N Duncan
A&P 2341611 IA

END

Page Total

Brought Forward

Total to Date

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number **MUST** be Shown.

ENGINE LOG SERIAL No. _____

Engine Log

06/18/04 Tach Time 1062.0 hours Removed cylinder #3 for overhaul due to leaking exhaust valve. Cylinder overhauled by Columbia Aviation, Bloomsburg and reinstalled same cylinder with new gaskets. Drained oil and checked filter for metal and foreign matter-found none. Installed new CH 48-110 Champion oil filter and saftied. Added 8 quarts of Aeroshell 100W Straight Mineral Oil to sump. Cleaned, gapped inspected and reinstalled spark plugs with new gaskets. Conducted differential compression check at 80 lbs.; Cyl.#1-72lbs., Cyl.#2-73lbs., Cyl.#3-exh leak, Cyl.#4-72lbs. Checked ignition timing. Replaced all rocker arm cover gaskets. Installed new induction filter element. Set idle mixture. Reset lower right magneto hold down clip. Operational check of engine satisfactory with no oil leaks. Complied with all applicable Airworthiness Directives:
I certify that this **engine** has been inspected in accordance with an **annual inspection** and found to be airworthy.

Signed _____

Richard N Duncan
A&P 2341611 IA

END

ENGINE LOG SERIAL No. _____

Engine Log

06/18/04 Tach Time 1062.0 hours Removed cylinder #3 for overhaul due to leaking exhaust valve. Cylinder overhauled by Columbia Aviation, Bloomsburg and reinstalled same cylinder with new gaskets. Drained oil and checked filter for metal and foreign matter-found none. Installed new CH 48-110 Champion oil filter and saftied. Added 8 quarts of Aeroshell 100W Straight Mineral Oil to sump. Cleaned, gapped inspected and reinstalled spark plugs with new gaskets. Conducted differential compression check at 80 lbs.; Cyl.#1-72lbs., Cyl.#2-73lbs.,Cyl.#3-exh leak,Cyl.#4-72lbs. Checked ignition timing. Replaced all rocker arm cover gaskets. Installed new induction filter element. Set idle mixture. Reset lower right magneto hold down clip. Operational check of engine satisfactory with no oil leaks.

Complied with all applicable Airworthiness Directives:

I certify that this **engine** has been inspected in accordance with an **annual inspection** and found to be airworthy.

Signed _____

Richard N Duncan

A&P 2341611 IA

END

Date 6/9/2005

**LICENSE
NUMBER**

Jonathan C. Rider, A&P 183526604 IA, Wings 'N Things, Inc.

Total to Date

An Step-by-Step of a Certification and Certification

ENGINE LOG

SERIAL No. _____

DATE	TIME	
	Hrs.	Min.

REPAIRS - ADJUSTMENTS - SERVICE - REMARKS

SIGNATURE

LICENSE
NUMBER

Engine Log

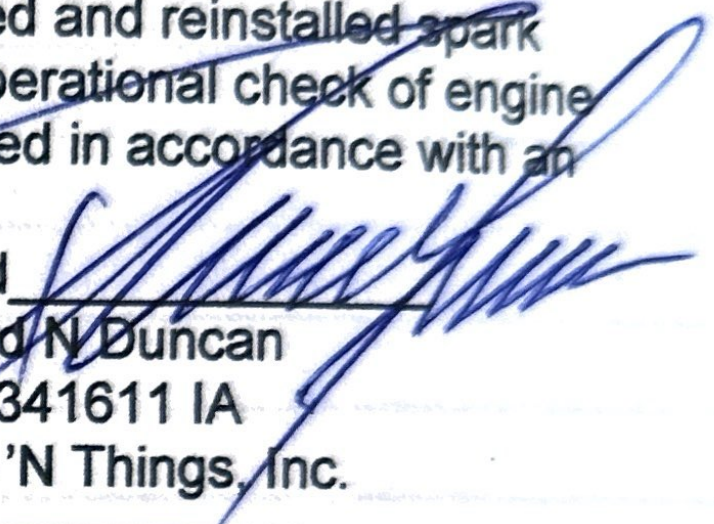
N5356D

Tach Time 1103.9

Engine TSN 643.3

Date 6/21/2006

Drained oil and checked filter for metal and foreign matter, found none. Installed new CH48110-1 Champion oil filter and saftied. Serviced sump with Aeroshell 15W50 oil. Tightened and saftied upper oil filler neck. Conducted differential compression check at 80 psi.; Cyl.#1=74 lbs., Cyl.#2=72 lbs., Cyl.#3=74 lbs., Cyl.#4=72 lbs. Cleaned, gapped inspected and reinstalled spark plugs, with new gaskets. Checked ignition timing. Ran-up engine. Operational check of engine satisfactory with no oil leaks. I certify that this **engine** has been inspected in accordance with an **annual inspection** and found to be airworthy.

Signed 
Richard N. Duncan
A&P 2341611 IA
Wings 'N Things, Inc.

Page Total

Brought Forward

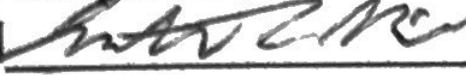
Total to Date

All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

Engine Log N5356D Tach Time ~~1081.3~~ ^{1123.3} Engine TSN 662.7 Date 7/6/2007

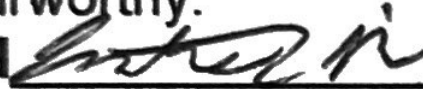
DATE

Drained oil and checked filter for metal and foreign matter, found none. Installed new CH48110-1 Champion oil filter and saftied. Serviced sump with 6 quarts of Aeroshell 15W50 oil. Conducted differential compression check at 80 psi.; Cyl.#1=70 lbs., Cyl.#2=74 lbs., Cyl.#3=72 lbs., Cyl.#4=76 lbs. Cleaned, gapped inspected and reinstalled 5 spark plugs, with new gaskets. Installed 3 new REM40E plugs. Checked ignition timing. Ran-up engine. Operational check of engine satisfactory with no oil leaks. I certify that this **engine** has been inspected in accordance with an **annual inspection** and found to be airworthy.

Signed  Jonathan C. Rider, A&P 183526604 IA, Wings 'N Things, Inc.

Engine Log N5356D Tach Time 1142.7 Engine TSN 682.1 Date 6/11/2008

Drained oil and checked filter for metal and foreign matter, found none. Installed new CH48110-1 Champion oil filter and saftied. Serviced sump with 5 quarts of Aeroshell 15W50 oil. Conducted differential compression check at 80 psi.; Cyl.#1=70 lbs., Cyl.#2=70 lbs., Cyl.#3=72 lbs., Cyl.#4=76 lbs. Cleaned, gapped inspected and reinstalled all spark plugs, with new gaskets. Checked ignition timing. Ran-up engine. Operational check of engine satisfactory, with no oil leaks. I certify that this **engine** has been inspected in accordance with an **annual inspection** and found to be airworthy.

Signed  Jonathan C. Rider, A&P 3248741 IA, Wings 'N Things, Inc.

Brought Forward

Total to Date

of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.

ENGINE LOG SERIAL No. _____

DATE	TIME		REPAIRS - ADJUSTMENTS - SERVICE - REMARKS	SIGNATURE	LICENSE NUMBER
	Hrs.	Min.			

Engine Log **N5356D** Tach time **1155.5** TSN **694.9** Date **6/11/2009**
 Performed cylinder compression check, all were found airworthy: # 1 = 68/80, # 2 = 74/80, # 3 = 72/80, # 4 = 72/80,
 Drained oil. Removed and replaced oil filter CH48108-1. Inspected oil filter and suction screen for metal particles, none
 found. Serviced sump with 7quarts of Aeroshell 15W50 oil. . Cleaned, gapped, tested and reinstalled 6 sparkplugs.
 Installed two new REM 40E plugs. Drained carburetor bow, and inspected inlet screen with no significant contaminants
 found. Relocated left magneto to provide clearance at battery box. Retimed left magneto to engine. Removed right
 magneto for overhaul. Reinstalled same overhauled right magneto and timed magneto to engine.

I certify that this engine has been inspected in accordance with an annual inspection and has been found to be in airworthy condition.



Signed _____
 Capital City Airport

Richard N. Duncan
 New Cumberland, PA

A&P2341611 IA
 717-774-1070

		Page Total	All Repair Data Must Bear the Endorsement of a Certificated Mechanic, and his Rating and Certificate Number MUST be Shown.
		Brought Forward	
		Total to Date	

DATE _____

Service Bulletins, Letters, Instructions & A D Notes

Engine Log

N5356D

Tach time 1174.0

TSN 713.4

Date 6/12/2010

Performed cylinder compression check, all were found airworthy: # 1 = 68/80, # 2 = 70/80, # 3 = 66/80, # 4 = 68/80, Drained oil. Removed and replaced oil filter CH48108-1. Inspected oil filter for metal particles, none found. Serviced sump with 6 quarts of Aeroshell 15W50 oil. . Cleaned, gapped, tested and reinstalled spark plugs Drained carburetor bowl and inspected inlet screen with no debris found. Tightened oil return line clamps. Tightened loose oil dipstick tube. Replaced two exhaust studs in cylinders #2 and #4.

I certify that this engine has been inspected in accordance with an annual inspection and has been found to be in airworthy condition.



Signed
Capital City Airport

Richard N. Duncan A&P2341611 IA
New Cumberland, PA 717-774-1070

DATE _____

Service Bulletins, Letters, Instructions & A D Notes

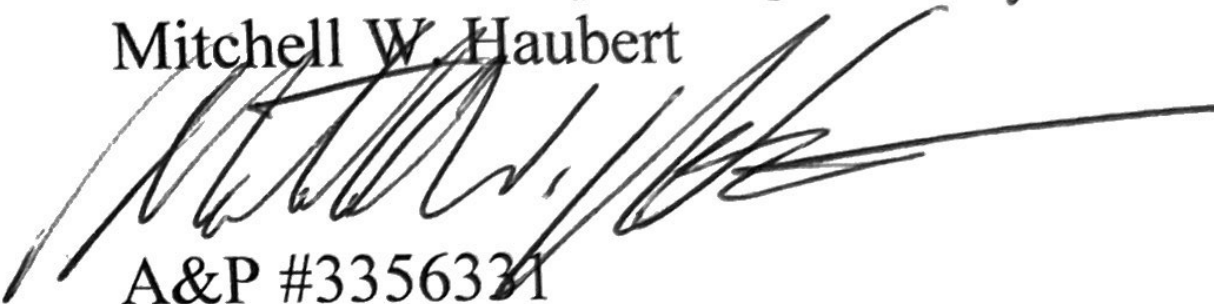
Tach: 1185.20

N5356D

06-03-2011

Drained oil. Removed oil filter and installed a new tempest oil filter P/N: AA48110. Serviced engine with 8 qts. of Aeroshell 15W50 oil. Installed a new Brackett Airfilter Element P/N: BA6108. Removed spark plugs, cleaned, gapped, rotated, and reinstalled. Drain carburetor. Performed operational check and was found to be operating normally. All IAW the Lycoming Manual.

Mitchell W. Haubert


A&P #3356331

DATE 6-3-11

Service Bulletins, Letters, Instructions & A D Notes

Engine T.T. S/N = 724.6

Compression $\checkmark$ = #1 71/80 #2 77/80 #3 73/80 #4 74/80

There are no new or recurring AD's due @ this time
All operational $\checkmark$ s - Good

A/C REG.# N5356D

DATE 6-3-11

TOTAL A/C TIME 485.2 HRS.

TACH TIME 724.6

I CERTIFY THAT THIS ~~AS~~ ^{ENGINE} HAS BEEN INSPECTED IN
ACCORDANCE WITH AN ~~(CIRCLE ONE)~~ ANNUAL/100 HR
INSPECTION AND WAS DETERMINED TO BE IN
AIRWORTHY CONDITION


SIGNATURE

AL 3400 929JA
CERTIFICATE NO./TYPE

DATE 2012

Service Bulletins, Letters, Instructions & A D Notes

9-9-12 TSMOH 730.7

- Installed BA 6108 air filter
- Comp ✓ = #1 70/80 #2 79/80 #3 77/80 #4 77/80
- All operational ✓^s good
- See AD Compliance list for AD information

A/C REG. N 5356 D DATE 8-9-12
TOTAL A/C TIME 1191.3 HRS. TACH TIME 730.7

I CERTIFY THAT THIS engine SMOH HAS BEEN INSPECTED IN
ACCORDANCE WITH AN (CIRCLE ONE) ANNUAL/100 HR
INSPECTION AND WAS DETERMINED TO BE IN
A WORTHY CONDITION.

[Signature]
SIGNATURE

AP 3400929JA
CERTIFICATE NO./TYPE

