

ENGINE LOG



#1 CLOSED

ENGINE LOG

PIPER AIRCRAFT CORPORATION

General Offices at
Lock Haven, Pennsylvania
U. S. A.

Part No. 230 716

ENGINE LOG

PORT ENGINE COMPARTMENT

ENGINE NO. 1

DATE

TIME

OWNER

NAME	ADDRESS	Installed in Aircraft No.	Date
1		183924	
2			
3			
4			
5			
6			

If this book is found, please return it to the owner.

ENGINE DESCRIPTION

Manufacturer: LYCOMING - WILLIAMSPORT, PENNA. Serial No. L-2180-88A
Horsepower: 300
Model: IO-540-K165D FAA T. C. No. 1E4

NOTICE

Making false entries in this book is a violation of government regulations and is punishable by civil penalty.

[illegible]

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES ON ENGINE AND ACCESSORIES

[illegible]

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES ON ENGINE AND ACCESSORIES

[illegible]

COMPLIANCE WITH SERVICE BULLETINS ON ENGINE AND ENGINE ACCESSORIES

[illegible]

COMPLIANCE WITH SERVICE BULLETINS ON ENGINE AND ENGINE ACCESSORIES

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
7/8/81	Tech 5 hrs. Chg. Oil & filter 50 Reg.			
	Welford J Jansen A/P 1511390			

and Remarks	Signature	Certificate No.
Hawthorne Aviation Repair Station No. 3666 Charleston, S.C. Class 3, Radio 1 & 2, Limited Ratings HOURS <u>120</u> DATE <u>10-6-81</u> AT THE TIME OF THIS INSPECTION IT IS CERTIFIED THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. WORK ORDER NO. <u>10414</u> DATE <u>10-5-81</u> SIGNED <u>Frank B. Braden Sup</u>		
See rear of 9/0 Log for 100 hr 15th Compliance		
Oil & filter Changed Shell W50		
Differential Pressure 80# / 075 @ 75 @ 75 @ 75		
5 75 @ 75		

3 Jun 82	IT 220	Ch oil + Filter	✓
		Avrashell 50W oil	
		Island	AF 246401510
Total To Carry Forward			

9-7-82 Tack-257.4 Changed oil & filter.
Checked Eng to mag timing Shm R Lng A/P 25824720

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3-29-83	Brought Forward →	346.8	oil & filter change Aircraft Service Center Route 2 HENRY TIFT MYERS AIRPORT TIFTON, GEORGIA 31794	
6-1-83	Tach	403.7	change oil & filter Aircraft Service Center Route 2 HENRY TIFT MYERS AIRPORT TIFTON, GEORGIA 31794	
Total To Carry Forward				

and Remarks	Signature	Cert
TACH 564.4 1/20/84 Complied with A.D. 78-09-07 I/A/W S.B. 598B Impulse Coupling Acceptable and returned to service. Removed Fuel injector servo for Compliance with A.D. 83-22-04 (See yellow tag) installed servo I/A/W Manufacturers instructions + Adjusted Idle speed mixture Installed 12 New B&R 87 spark plugs. I certify this engine has been inspected I/A/W a 100hr inspection per per Form 230-1045 and has been determined to be in Airworthy Condition. compression 1 77 2 77 3 78 4 79 5 76 6 77		
David C. Naultie AWP 257744236		

Daniel F. Brown
 at this agency
 Airworthy for
 current Federal
 above was re-
 11-ELCA 2
 10/21/04

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
5-4-84	TACH 634			
	changed oil & filter savers			
	with 11qt A-5100			
	R Gardiner A9P1703225			
Total To Carry Forward				

and Remarks	Signature	Certificate No.
November 7, 1984 changed oil & filter, 10qts 50W Aeroshell AD & AC OFSIA. Tach 759.8 Test ran ok, no leaks. w/o 2529.	ASSOCIATED AIR SERVICES F.A.A. APPROVED REPAIR STATION No. 705-225 <u>James J. Olson</u> (Authorized Signature)	A.A.S. INSP. #2
11-29-84 TACH. TIME: 772.0 HRS. REPLACED BRUSHES, DIODE AND BEARING IN ALTERNATOR. CYCROUND CHECKED SAT.	Wm. Q. Bushin ACP 2178277	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7 FEB 85	Brought Forward →		816 T.T.	COMP. TEST: *1 $\frac{65}{80}$, *2 $\frac{70}{80}$
				MAG TIMING - OK. IGN
				CLEANED SPARK PLUGS, TESTED
				WITH SHELL 40 WEIGHT.
				AIR FILTER. TIGHTENED
				MINOR OIL SEEPS. I
				INSPECTED IAW A 100
				AIR SERVICE AND HAS
				CONDITION AS OF THIS
Total To Carry Forward				

and Remarks	Signature	Certificate No.
*3 $\frac{75}{80}$, *4 $\frac{65}{80}$, *5 $\frac{70}{80}$, *6 $\frac{75}{80}$.		
HARNESS TEST-OK. CLEANED INJECTORS.		
- CHK'D OK. CHANGED OIL, REFILLED		
REPLACED SPIN-ON OIL FILTER. REPLACED		
HOLE RETURN NOSE CHAMPS TO CORRECT		
CERTIFY THIS ENGINE HAS BEEN		
HOURLY INSPECTION FORM BY EXPRESSWAY		
BEEN FOUND TO BE IN AN AIRWORTHY		
DATE. Richard J. Capt AWP457943403		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
June 13-85	Brought Forward →	900.5		Changed oil, oil filter Cleaned + gapped spark plugs in stalled all new blow proof exhaust gaskets 12 qts Aero Shell 100W added to crankcase in care of Sa Ifton Berger Charles Turner
Total To Carry Forward				

and Remarks	Signature	Certificate No.
<i>TACH</i>		
<i>8-27-85</i>		
<i>958</i>		
<i>chg. oil, Filter + checked screen, serviced</i>		
<i>with 12 qts. shell 50 w. Wash down eng</i>		
<i>with solvent + ck. for leaks. (ck. ok.)</i>		
AIR CARE OF GEORGIA, INC.		
RT. 2, BOX 378		
TIFTON, GA. 31794		
PHONE NO. 912-382-2545		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
Hawthorne Charleston, S.C.	Aviation Repair Station No. 3666	Class 3, Radio 1 & 2, Limited Ratings		Replaced starter bendix, cleaned fuel nozzles installed Torcon prop Low Control. Red End. C/w #07897
HOURS 1024.6 DATE 3-20-86				Per SB599B, 10-382560-13 06LN-203
AT THE TIME OF THIS INSPECTION IT IS CERTIFIED THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.				S/N 24680K. C/w AD B4-26-2 by Replacement of Air filter Differential Pressure 80# @ 70 @ 70 @ 76 @ 70 @ 75 @ 78.
WORK ORDER NO. 16008 DATE 3-12-86 SIGNED Frank B. Beard Inspector				
See rear of a/c Log for AD SB & SL Testing Air Filter Changed				
Total To Carry Forward				
		Shell W 50.		

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3 March 1987	Brought Forward →	TOTAL Tach: 1300.4		① Compression check: #1 ⁶⁶ / ₈₀ , #2 ⁷⁸ / ₈₀ , #3 ⁷⁶ / ₈₀ , #4 ⁷⁷ / ₈₀ , #5 ⁷⁸ / ₈₀ , #6 ⁷⁸ / ₈₀ . ② Changed oil + filter. Serviced with 12 qts Aeroshell 50W. ③ Installed and synchronized both points in mag. Installed and timed mag to engine. Installed new #3 valve cover gasket. Installed new induction air filter element. Installed new alternator belt. Epps w/o #7B-136.
Total To Carry Forward				

and Remarks	Signature	Certificate No.
I certify that this aircraft has been inspected in accordance with a <u>ANNUAL</u> inspection per <u>Piper Report # 230 1045 801108</u> FAR 91.109 (a) (1) and was determined to be in airworthy condition. Vn <u>7B-136</u> Date <u>3-3-87</u> Total Time <u>1300.4</u> Sgt <u>[Signature]</u> EPPS AIR SERVICE INC. FAA REPAIR STATION 701-15 DEKALB-PEACHTREE AIRPORT ATLANTA, GA. 30341 (404) 458-9851		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5-12-87	Brought Forward →	NEW	1345.6	OIL DRAINED, FILTER REPLACED
				SERVICED WITH 12 QTS NEW
				LEAK CHECKED.
Total To Carry Forward				

[illegible]

C.R.S. 702-4

PROPELLER TOTAL TIME _____

Changed oil and filter. Serviced with 12 qts. Aeroshell 15W50. Degreased engine and leak checked. Found ok.

SIGNATURE

FILE W.O.# 09 04- 8280
Wayne Qualls

DATE 7-15-87

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
1	Brought Forward →	T.T. <u>1559.9</u>	DATE <u>12/4/89</u>	
1		Changed Oil <u>As 50 wt 100wt</u>		
		Changed Filters; Cleaned Screen; Cleaned Engine; Ran For Leaks.		
		<u>W104596</u>	<u>(Signature)</u>	
			W.O. <u>4596</u> ON FILE	
			<u>(Signature)</u>	
			BANYAN AIR SERVICE	
			1575 W. Commercial Blvd.	
			Ft. Lauderdale, FL 33309	
			FAA CRS 765-25 PH. 305-491-3170	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
1-13-88 TACH 1574.2 REPLACED STARTER WITH A NEW P/N M24222 UNIT. S/N 4200080N. INSTL. 12 NEW RHM38E SPARK PLUGS. ENGINE CIRCUMD CHECKED SATISFACTORY.	Wm. L. Bashin	
	APP 0178277	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
4-1-88	1631.1	1631.1		Oil Drained, Filter Replaced Serviced with 12 QT Aeroshell + Gapped, Compression Checked #2 75/80, #3 76/80, Replaced Chaffed Oil Cooler C/W A.D. NOTE 78-09-0 Dimensional Check (Due) GASKETS A.D. 84-26-0 Type. All Applicable A. Compliance.
<u>WATCH TIME 1631.1</u>		<u>TOTAL TIME 1631.1</u>		
I certify that this aircraft/engine has been inspected in accordance with a <u>100 HR</u> inspection and determined to be in air- worthy condition.				
<u>DATE 4-1-88</u>	<u>Glenn Walker</u> ATP 365609165			
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Suction Screen Checked. Engine 20W (50WT) All Spark Plugs Cleaned With Following Readings #1 76/80, #5 77/80, #6 77/80, Water Connect Line with New Line Bendix mag Impulse Check By AT 2131.1) Replaced Six Valve Cover Induction Air Filter is N/A Due To Water Thru 88-05 Checked For	TOTAL TIME <u>1631.1</u> I certify that this aircraft/engine has been inspected in accordance with a <u>ANNUAL</u> inspection and determined to be in air- worthy condition. DATE <u>4-1-88</u> <i>[Signature]</i> IA 254909795	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
8-6-88	1720.0	1720.0	Comp ck #1 80/70	
	#2 80/75	#3 80/70	#4 80/75	#5 80/75
	cleaned air filter, chd mag timing,			
	changed oil & filter, washed			
	engine, Ran & chd for leaks.			
			Dr Parker	
			ATP 1700840	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
11-4-88 TAC. 1762.1 CHANGED oil and Filter		
10 qts Aeroshell 50w		
	M. H. H.	
	AP248192382	
11/16/88 Tach 1763.4 Replaced engine driven fuel pump with new fuel pump. Operational check normal. No leaks. Hoodman Chats		
	ATP 1990851	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
3-27-89	Brought Forward →	Tach Time 1798	Total Time 1798	"O" SMOH
Overhauled engine in accordance with instructions in Avco Lycoming Direct Drive Overhaul Manual. All steel parts magna fluxed all aluminum parts dyed. Replaced with new parts. All pistons, all piston rings, all exhaust valves, all valve keys & caps, all main bearing inserts, all rod bearing inserts, all rod bolts & nuts, all rocker arm shafts, all counterweight pins, plates & clips. Oil pump driving & driven impeller, all oil seals, all gaskets, all o-rings, all circlips lock plates & retaining rings. New ignition wire harness & spark plugs. Cylinders overhauled by S & S Air Parts Inc. CRS # 268-108. Crankshaft, camshaft,				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
and tappet bodies overhauled by Engine Components Inc. CRS # 2091. Fuel injection system overhauled by Aircraft Fuel Specialists CRS # 209-36. Magneto overhauled by Navajo Accessories Inc. CRS # 210-60. (Yellow tags in rear of logbook) Added 12 Qts Aeroshell 100 installed new oil filter and performed run in on air frame in accordance with instructions in previously mentioned overhaul manual. Chad P. Doyle AEP 460355584-		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5-23-89	Brought Forward →	28.5	1826.5	Camp. Cr. # 74/80 & 76/80
	74/80 & 76/80	74/80 & 76/80	76/80	Removal & Replaced Center
				nutten w/new part from wall Colemanoy. Replaced
				air filter element w/new BA-3. CK'd and lubed
				all controls. Cleaned fuel SCREEN. Insp
				exhaust system. I certify This Eng. ^{& Propeller} is
				insp. in accordance with Annual Insp.
				procedures and is approved for Return to
				service. <u>B. L. J. H.</u>
				TA284111587
Total To Carry Forward				

and Remarks

Signature

Certificate No.



MODEL IO-540-KIG5D
 S/N L-21180-48A
 REG. NO. N83924

DATE 8/15/89
 T.T. 1841.7
 HOUR/M 43.7 SMOH

CHANGED OIL & FILTER. SERVICED WITH 12 QTS MOBIL 1. CLEANED ENGINE. GROUND RAN ENGINE, CHECKED FOR LEAKS. O. K. DESCRIBED MAINTENANCE, REPAIRS AND/OR ALTERATIONS ARE AIRWORTHY WITH RESPECT TO THE WORK PERFORMED. FOR FURTHER DETAILS SEE WORK ORDER NO. 2032. FAA APPROVED REPAIR STATION NO. 4444.

SIGNATURE

ENGINE LOG

MODEL I0540KIG5D
S/N L-21180-48A
REG. NO. N83924

ORLANDO

AVIONICS CORP.

FAA APPROVED REPAIR STATION #TP4R552M
P.O. BOX 140741 • ORLANDO, FLORIDA 32814
TELEPHONE: (407) 894-9983

SMOH: 87.4

DATE 11-7-89T.T. 1885.4HOUR/M 1885.4

100HR/ANNUAL INSPECTION COMPLETED THIS DATE. CHANGED OIL AND FILTER. SERVICED WITH 12 QTS. MOBILE #1. COMPRESSION READS AS FOLLOWS
#1 $\frac{75}{80}$, #2 $\frac{76}{80}$, #3 $\frac{77}{80}$, #4 $\frac{76}{80}$, #5 $\frac{76}{80}$, #6 $\frac{77}{80}$. CONTROLS CHECKED FOR SECURITY AND OPERATION. ADJ. PROP CONTROL FOR PROPER CUSHION. REPLACED BROKEN LOCKWASHER, #3 CYL. EXHAUST. ADJUSTED SERVO FOR CORRECT IDLE & CUT OFF RISE. ENGINE INSPECTED USING PIPER INSPECTION REPORT 230-1045 840606 & FAR 43 A P D AS REFERENCE. CONTROLS LUBED AS NECESSARY. RUNUP CHECKED GOOD. NO LEAKS NOTED. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN AIR-WORTHY CONDITION. FOR FURTHER DETAILS SEE WORK ORDER NO. 8603.

SIGNATURE

*Edward S. Redfield*I.A. 79460730

Total To
Carry Forward

and Remarks

Signature

Certificate No.

MODEL I0540K1GSD
S/N L-21180-48A
REG. NO. N83924

ORLANDO

AVIONICS CORP.

FAA APPROVED REPAIR STATION #TP4R552M
P.O. BOX 140741 • ORLANDO, FLORIDA 32814
TELEPHONE: (407) 894-9983

DATE 5-9-90T.T. 1939.4HOUR/M 1939.4

ANNUAL INSPECTION COMPLETED THIS DATE. DRAINED OIL. REPLACED FILTER WITH NEW CH48103. OLD FILTER CUT OPEN & INSPECTED. CHECKS NORMAL.

COMPRESSION TEST: #1 $\frac{76}{80}$, #2 $\frac{76}{80}$, #3 $\frac{77}{80}$, #4 $\frac{75}{80}$, #5 $\frac{77}{80}$, #6 $\frac{76}{80}$.

INSPECTED AND CLEANED OIL SUCTION SCREEN. SERVICED WITH 9 QT. MOBILE AV I OIL. CLEANED, GAPPED & TESTED SPARK PLUGS. TIGHTENED THROTTLE ARM ON SERVO & SAFTIED. INSTALLED CHAFE GUARD ON # 2 OIL RETURN LINE. INSPECTED & LUBED CONTROLS AS NECESSARY. INSPECTED ENGINE USING PIPER FORM 230-1045 & FAR 43 ApD AS REFERENCES. RUNUP CHECK GOOD, NO LEAKS NOTED. DRESSED PROP BLADES & PAINTED FACE. AD'S CHECKED FOR COMPLIANCE. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND IS APPROVED FOR RETURN TO SERVICE. FOR FURTHER DETAILS SEE WORK ORDER NO. 9755.

SIGNATURE

*Edward S. Redfield*I.A. 79460730

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		

MODEL IO-540-K1G5D ORLANDO **Aircraft SERVICES**
 S/N L-21180-48A
 REG. NO. N83924

DATE 10-18-90
 T.T. 2082.2
 HOUR/M

COMPLETED 50 HOUR INSPECTION ON ENGINE USING ORLANDO AIRCRAFT SERVICES
 50 HR. INSPECTION CHECK LIST. CLEANED AND GAPPED PLUGS. COMPRESSION

READS: #1 $\frac{77}{80}$, #2 $\frac{76}{80}$, #3 $\frac{78}{80}$, #4 $\frac{76}{80}$, #5 $\frac{77}{80}$, #6 $\frac{78}{80}$.

CHANGED OIL AND FILTER. SERVICED WITH 12 QTS. MOBILE AV-1.
 DESCRIBED MAINTENANCE, REPAIRS AND/OR ALTERATIONS ARE AIRWORTHY WITH
 RESPECT TO THE WORK PERFORMED. FOR FURTHER DETAILS, SEE W. O. NO.10708.

SIGNATURE *[Signature]* A.P. 008541015

Total To
Carry Forward

and Remarks

Signature

Certificate No.

MODEL PA32R-301
 S/N 32R8113070
 REG. NO. 83924

AIR ORLANDO
 Orlando Executive Airport
 400 Herndon Ave., Suite 109
 Orlando, Florida 32803
 (407) 897-3819

DATE 07-05-91
 TT 2107.9
 TACH/HOBBS

Comp check #1 74/80, #2 78/80, #3 78/80/ #4 77/80, #5 76/80, #6 78/80. Changed oil and filter, serviced with 12 quarts aeroshell 100 wt. Cleaned, gapped and rotated spark plugs. Cleaned air filter and fuel screen. Checked and lubed all controls. Checked all leads and mag timing. Inspected exhaust system. I certify this engine was inspected in accordance with annual inspection procedures and is approved for return to service.

[Signature]
 11264111527

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
MODEL PA32R-301				
S/N 32R-8113070				
REG. NO. 83924				
 Orlando Executive Airport 400 Herndon Ave., Suite 109 Orlando, Florida 32803 (407) 897-3819			DATE 08-12-91	
			TT _____	
			TACH/HOBS 2116.3	
Removed and replaced alternator and alternator belt. Part # ALV6421, S/N # 105-2081, with overhauled unit. (See yellow tag for details.) Ops checked good. <i>[Signature]</i> <i>Air 299720491</i>				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Dec. 10, 1991 Tech: 2173.1 S.M.O.H.: 375.1	Changed engine oil + oil filter. Installed a new CH48103 filter. Serviced w/ 12 qt. Aeroshell 65 engine oil. Drained both oil coolers. Opened + inspected old filter no defects noted. Engine run up, operational + leak ck satisfactory. Engine is approved for return to service.	
SUSSEX AERO MAINT. GEORGETOWN, DEL.		
DATE <u>12/10/91</u> TOTAL TIME <u>2173.1</u> SIGNED <u>Charles A. Conway</u> ATP 221465024		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
9-1-92.	Brought Forward →		2256.7	TACH. open up & complete
		Inspection Report.		Lube AIRCRAFT JAW PIER
		SECTION SCREEN. BOTH OK NO METAL FOUND. REMOVE		
		DISASSEMBLE FOR INTERNAL CHECK REMOVE & CLEAN		
		FOUND REASSEMBLE PER TELEDYNE OVERHAUL MANUAL		
		OVERHAUL MANUAL. REPLACE BOTH MAGNETO CAPSIZERS		
		13641 TIME MAGNETO TO ENGINE AT 20° BTDC. REMOVE		
		APPLICATOR REMOVE EXHAUST STACKS & REPLACE # 5		
		SUMP TO RE-TRACE DROPPED MAG RUBBER, FOUND RUBBER		
		BATTLE P/N 72958. REINSTALL SUMP WITH ALL NEW GASKETS		
Total To Carry Forward				SERVICE ENGINE WITH 1297 shell 80W OIL NEW

and Remarks	Signature	Certificate No.
100hr/ANNUAL Inspection JAW Perform PA32R301		
PA32R301 SERVICE MANUAL. DRAIN OIL REMOVE & INSPECT OIL FILTER AND		
AND DISCARD SPARKPLUGS. INSTALL 12 NEW RHM 38E SPARKPLUGS. REMOVE MAGNETO		
INSPECT DISTRIBUTOR BLOCK & ROTORS. ALLOW CHECK COILS & ROTATING MAGNET NO DEFECTS		
REPLACE LT MAIN POINT WITH NEW 10-382585 POINT AND TIME BOTH MAG POINTS PER		
RS WITH NEW 10-382681 BENDIX PARTS. INSTALL NEW STYLE MAG CUSHING P/N LW		
REMOVE & CLEAN BOTH ENDS OF #1 #3 #4 #6 SPARK PLUGS. CONTINUITY CHECK ALL LEADS ALL		
RIZOR AND AFT MUFFLER. P/N 67517-00 AND STACK 38837-07. See yellow TAG. REMOVE		
AND ALSO FOUND SUMP BATTLE SPLIT AND STARTING TO MAKE METAL. INSTALL RECONDITIONED		
AND SEALS. INSTALL EXHAUST SYSTEM CHECK STARTER AND ALTERNATOR BOTH OK		
CH 48103 AND 3 AN 900-16 MCKIN SEALS USED. CLEAN FUEL STRAINER AND		

OTHER →

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
Continued	Brought Forward →		2256.7 TACH	Remove + Flow check
			RUN SATISFACTORY	Comp check #1 7 1/80 #2 7 3/80
		Air Filter c/w AD	78-09-07	Pulse coupling
		Certify This Engine HAS BEEN INSPECTED EAW		
		WORK WAS DONE FOR CRIST AIR		
			DATE 2-19-93 TACH. 2310.3	
			DRAINED OIL AND REFILLED WITH 12 QUARTS OF Shell w80	
			INSPECTED & CLEANED OIL SCREEN, WASHED ENGINE.	
			NEXT OIL CHANGE DUE AT 2360 HOURS.	
		WORK DONE FOR CRIST AIR MAINTENANCE SERVICE INC	Karl McIntosh #2178672A	
Total To Carry Forward				

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-14-93	Brought Forward →		2386.5 Tach.	open up AND complete
			DRAIN OIL	Remove & Inspect oil filter
			Gap & TEST SPARK PLUGS	ALL OK. Check &
			STARTER & ALTERNATOR	BOTH OK. WASH
			& NEW CH4P103 OIL FILTER	INSPECT E.V.
			INSTALL NEW REPAIRED STALK #1/N	38137-00
			MUFF. GROUND RUN	SATISFACTORY END
			COMPRESSION CHECK: CYL. 1 <u>75/90</u> CYL. 3 <u>76/90</u> CYL. 5 <u>74/90</u> CYL. 2 <u>79/90</u> CYL. 4 <u>78/90</u> CYL. 6 <u>74/90</u>	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
100hr Inspection Saw Pjer form PA32R301		
And Suction Screen. Both clean no metal. Clean		
Reset Magneto Timing to DATA plate specs. Check		
Down Eng. Service with 1297 shell w/100		
stacks find fuel bulged & RT fuel Rizer seized		
And muffler P/N 67517-00 see yellow tag. Reassemble		
I CERTIFY THAT THIS <u>Engine</u> HAS BEEN INSPECTED IN ACCORDANCE WITH A <u>100 hr</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. AT THIS TIME	Kuffner	AB 217860731
WORK DONE FOR CRIST AIR MAINTENANCE SERVICE INC.		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11-23-93	Brought Forward →	2435 TACH.		DRAIN OIL Remove & Inspect oil filter
				Install new CH48103 oil filter Service with 1297
				Light retained. 3 certify for return to service
5-7-94	2469.7	TACH.		DRAIN OIL Remove & Inspect oil filter
				CH48103 oil filter Ground run no
Total To Carry Forward				

and Remarks	Signature	Certificate No.
AND Suction screen. Both had no contamination or metal.		
Shell 80W oil + 6 ground run no leaks. Repair landing		
END Karl McInt Aff 217867 E2 WORK DONE BY CRIST AIR MAINT SERVICE INC.		
no metal found Service Engine with 9197 Shell 100 oil + new		
LIAGS. END. CRIST AIR MAINTENANCE SERVICE INC. ^{WORK DONE FOR}	Karl McInt	217867-20

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-27-94	Brought Forward →		2516.2 TACH.	open up for 100hr Insp
				FILTER AND suction screen BOTH show NO METAL
				All Lower plugs with new RHM 38E SPARK PLUGS
				10 OK. Check STARTER & ALTERNATOR BOTH OK.
				Spinners & Hub Propeller C/W AD 93-16-14 HARTZEL
				DATE June 1993. D/N/A NOT Installed. AD 94-01-03 Telco
				BENDIX AMO 39-8895 DATE March 1994 AD 76-07-12
				BOWOIL & 1 new CH48103 FILTER GROUND RUN
				Compressor check. #1 7/80 #2 75/80 #3 76/80 #4 75/80
				WORK DONE FOR CRIST AIR MAINTENANCE SERVICE INC.
Total To Carry Forward				

and Remarks	Signature	Certificate No.
1. Saw Pyro Inspection form (A32R-301) DRAIN OIL Remove & inspect OIL OR OTHER MATERIAL Remove CLEAN GAP TEST All SPARK PLUGS. Replace Remove & clean FUEL STRAINERS & SCREENS. Check MAGNETO Timing Remove HEAT SCREW & inspect HEAT EXCHANGER #1 & 3 OK. Remove AMO 39-8704 DNA model. AD 93-11-11 Textron AC AMO 39-8584 Yale Bendix AMO 39-8785 DATE March 1994. DNA model. AD 94-06-09 Teledyne Bendix Switches AMO 39-2575 AUG 1977. Service Engine with 12 qt Shell NO LEAKS. I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. AT THIS TIME 115 T₁/10 #6 T₁/10 WORK DONE FOR CRIST AIR MAINTENANCE SERVICE INC.	Karl M. Crist AD 217 867 DVT	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-24-95	Brought Forward →	2839.2	2639.2 RP	Drained oil, inspected plugs. Replaced 6 induction hose. Installed Aeroshell 100W oil. Compression test #1 $\frac{73}{80}$ #2 $\frac{74}{80}$ #3 $\frac{72}{80}$
				I certify that this
				is annual inspection
				to service —
Total To Carry Forward				

and Remarks	Signature	Certificate No.
filter. Cleaned gapped and checked Rem 38E Plugs. Replaced Rem Air new CH48103 filter and added 10 g to Checked heads and mag timing,		
#4 $\frac{73}{80}$ #5 $\frac{74}{80}$ #6 $\frac{72}{80}$		
engine has been inspected IAW and is approved for return		
Robert H. Taylor		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
1/16/96	Brought Forward →	TACH 2684.4		Drained oil + checked filter for metal, NONE found. ADDED 12 quarts Aeroshell 50W oil, and NEW CH40103 oil filter. Degreased engine, test A/C and cell ops check's good. Greg Wirth A.P. 52519/1165
Total To Carry Forward				

and Remarks	Signature	Certificate No.
8/7/98 Tach 2976.2	Replaced all sparkplugs. Installed a new set of RHM 38E sparkplugs. Run up and operational CK satisfactory. Work c/w in accordance with Lycoming IO-540-K165D maintenance manual. Charles A. Conway	
	ATP221465024 G.C.G. Aircraft Service Inc.	
	G.C.G. AIRCRAFT SERVICE 12724 AIRPORT ROAD BERLIN, MD 21811	
	Error in entry sequence see later for proper entry	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
2-22-96	Brought Forward →	2692.0		Removed Mag - Replaced Distributor Aircraft Run on ground & checked -
4-24-96	↑			TACH 2731.3 DRAINED OIL SOW OIL & NEW CH 48103 OIL FILTER
5-17-96		2736.6		Removed oil cooler hoses PN# 565-668, 565-667, & 111D562-820260 As per AD 95-26-13 1) AE3660121 H 0290 2) AE3660121 H 0290 As Per Paragraph (b)(2) & (c) replace of AD 95-26-13 DUE at 3736.6
Total To Carry Forward				

and Remarks	Signature	Certificate No.
gears PN# 10-682016 (2), Retimed Mag, Reinstalled on engine, timed mag to engine, Aircraft Approved for return to service Robert Cannon 222524367 AP. ———→ 2nd		
CHANGED FILTER, CHK FOR METAL, NONE FOUND ADDED 12 QTS AECOSHELL 100% RUN & ALL CKS.		
565-668, 565-667, & 111D562-820260 As per AD 95-26-13 Installed hoses PN# → 3) AE3660061 H 260. Aircraft was ground run by owner, inspected, no leaks found. ment of these hoses allows for termination of 100 HR Inspection. Next compliance or 5.17.04 I certify that this aircraft is approved for return to service Robert Cannon 222524367 AP. ———→		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
10/05/96	Brought Forward →	TACH 2776 TMO 978	I certify that	
			this engine has been inspected IDW AN ANNUAL	
			Inspection and that the inspection was per-	
			formed per FAR 43 APP D, and found airworthy	
			Drained oil + checked filter for metal - NONE FOUND	
			Installed new CH08103 Filter and 12 qt new oil	
			50 w oil. cleaned + gapped plugs. checked	
			compressions cyl #1 $\frac{73}{80}$ #2 $\frac{74}{80}$ #3 $\frac{74}{80}$	
			#4 $\frac{75}{80}$ #5 $\frac{74}{80}$ #6 $\frac{73}{80}$. Test ran engine all	
			ops check's good. Eng V-1000 AXP 525171166FA	
Total To Carry Forward				

and Remarks

Cyl. compressions:

*1-68/80, 2-70/80, 3-74/80, 4-79/80, 5-79/80, 6-72/80

Signature

Certificate No.

16 Oct 97 @ 2892 TT; 1094 SMOH; Oil & filter changed. Screen checked. Serviced
 10 qts Aeroshell 100W. compressions satisfactory all cyls. Plugs cleaned,
 gapped & tested. Replaced #3 ex. stack and all 3 mufflers. Replaced air
 filter element. Mag + timing checked. Eng. mount checked for cracks.
 AD 93-02-05 c/w by insp. of injector lines, AD 95-26-13 c/w by insp. of oil
 hoses. Sealed alt. belts. Tightened R/B covers + R/B drain tube clamps
 Engine cleaned, inspected, serviced. I certify that this engine has been
 inspected in accordance with an Annual inspection and was determined to be in
 airworthy condition. Date 16 Oct 97
 Tach. Reading 2892 Total Hours 2892
 Chesapeake Aviation Service, Inc. 1094 SMOH
 Decoupled, Ground run & chkd. for leaks, Ground operational
 check satisfactory.

Signed

Robert M. [Signature]

IA 1600126

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
6/16/97	Brought Forward →	TACH	2826.2	DRAINED OIL CK FOR METAL
6/30/97		TACH	2859.7	DRAINED OIL CHG FILTER CK FOR
4/1/98		Tach	2936.7	Drained O.I., Changed filter
11		"	"	Adjusted Mag Timing, Alt.
Total To Carry Forward				

[illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8/7/98	Brought Forward →		2976.2	Installed a new set of Champion RH138E sparkplugs. Engine ground run - up satisfactory. Work done F/A/W Lycoming IO-540-K165D maintenance manual. Charles A. Conaway AIP 221465024
				G.C.G. AIRCRAFT SERVICE 12724 AIRPORT ROAD BERLIN, MD 21811
10-26-98	2999.1			Completed Annual inspection lubricating Engine as needed for inspection. - Removed oil and Filter, installing Aeroquip 40w oil and CH48103 Filter
Total To Carry Forward				

and Remarks	Signature	Certificate No.
- Retorqued Engine Driven Fuel Pump - Reset Mag to Engine Timing - Repositioned Alternator Air Door to close fully. - AD 93-02-05 C/w Fuel injection clamps by installing New clamps and visual inspection. Run Engine for look and operational check, all checks good.		
Date 10-26-98	time in service 2999.1	
I certify that this aircraft and/or engine has been inspected in accordance with a <u>Annual</u> inspection, and was determined to be in <u>Worthy Condition</u> .		
G.C.G. AIRCRAFT SERVICE 12724 AIRPORT ROAD BERLIN, MD 21811	Mechanic's Signature <u>Bill A. G. G.</u>	Certificate Number <u>A & BIA 97384186</u>

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
5-20-99	DATE 5-20-99	TACH 3048.8	I HAVE PERFORMED	
			THE 50 HR PER CESSNA SPECIFICATION. THIS ENGINE	
			HAS BEEN TEST RUN, CHECK'S GOOD AND IS HERESY	
			RETURNED TO SERVICE. inv#0502	
	SIGNED	[Signature] 162427024AP		
10-25-99	3083.0	Annual InsP. Completed, Oil &		
ACTU	3083.0			
ENG	1285.0	Filter changed, Fuel & oil Screens		
PROP	864.4			
FILT	-0-	CLD Plugs Cleaned & Gapped		
		Cyl Comp. 1 78/80 2 74/80 3 62/80 4 78/80 5 79/80 6 78/80		
Total To Carry Forward			ENG Serviced 10 QTS 1580CW, Mag.	

and Remarks	Signature	Certificate No.
Timing checked, 1/2 SB 518C, VERMATHERM INSUP. APPLIED		
Locktited & STAMPED LOW VALUE, #75944, 5/123222. 1/2		
AD 93-2-5, 1ACW PAR'A & SB 342, Fuel line INSUP. NO DEF.		
AT PRES. NEXT DUE 3183.0 Tach. Corrected Minor oil leaks		
AS REQUIRED. Run up & Leak Check OK.		
	SUSSEX AERO MAINT.	
	GEORGETOWN, DEL	
	DATE 10-25-99 TOTAL TIME 3083.0	
	CERTIFY THAT THIS ENGINE HAS BEEN	
	INSPECTED IN ACCORDANCE WITH AIR 100.1	
	INSPECTION, AND WAS DETERMINED TO BE	
	IN AIRWORTHY CONDITION	
	[Signature] 2116219	
	IA	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11-14-00	Brought Forward →	1353.3	3151.3	Oil & Filter Changed,
1/2 TT 3151.3				Fuel & Oil Screens cld, Plugs cleaned
Prop	932.7			& Gapped, Cyl Comp. 1 79/80 2 79/80 3 78/80
FILT	-0-			4 78/80 5 79/80 6 78/80, Mag Timing cld,
				Eng Serviced 10 QTS A/S 100W, 9W AD
				93-2-5, Fuel Inj Line InsP, Par A2
				SB 342, NO Defects AT Pres, NEXT DUE =
				3261.3 9W SB 518C, VeruA Therm InsP,
				# 75949, S/N 123222, NO Def. Runup
				& Leak Check OK. <i>[Signature]</i> A/P 2116219
Total To Carry Forward				

and Remarks	Signature	Certificate No.
11-14-00, Tach 3151.3, 1/2 TT 3151.3	SUSSEX AERO MAINT.	
ENG Sch: 1353.3, Prop 932.7, Cont'd	GEORGETOWN, DEL.	
	DATE 11-14-00 TOTAL TIME 3151.3	
	CERTIFY THAT THIS ENGINE HAS BEEN	
	INSPECTED IN ACCORDANCE WITH A Annual	
	INSPECTION, AND WAS DETERMINED TO BE	
	IN AIRWORTHY CONDITION.	
11-7-01, Tach 3204.7 1/2 TT 3204.7 1406.7	<i>[Signature]</i> A/P 2116219	
Oil & Filter Changed, Fuel & Oil Screens cld		
Plugs Cleaned, Gapped, Cyl Comp. 1 74/2 2 74/3 3 76/4 4 76/5 5 75/6 6 78/80	SUSSEX AERO MAINT.	
9W AD 93-2-5, Par A2 & SB 342, NO Defects AT Pres	GEORGETOWN, DEL.	
9W SB 518C VeruA Therm InsP S/N 123222, NO Def	DATE 11-7-01 TOTAL TIME 1406.7	
Replaced Fuel Pump LW 15473, New Lycoming	CERTIFY THAT THIS Engine HAS BEEN	
PART. Cld Mag Timing, Eng Serv 11 QTS A/S	INSPECTED IN ACCORDANCE WITH A Annual	
80W, Runup & Leak Check OK. <i>[Signature]</i> A/P 2116219	INSPECTION, AND WAS DETERMINED TO BE	
	IN AIRWORTHY CONDITION.	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5-16-02	Brought Forward →	1463.10	3248.3	Changed oil, Filter Checked Filter Serv Eng 10 QT M/S 100W Run up & Leak Check OK R. Denny 21162 1162
11-22-02				
11-22-02	Oil & Filter Changed, Fuel & oil			
TACH 3299.3	Screws Cld Plugs Cleaned			GEORGETOWN, DEL
Eng S oil 1501.3	Cyl Comp	74/77/78/76/77/78/		
Prop S oil -0-	Eng Serv 12 QTS M/S 15/50-			
Filter -0-	C/W AD'S 93-2-S 1AW PAR			
	'2' & SB 392A, Fuel line 1105			
Total To Carry Forward		110 D & F AT Pres 104 ET PUE 3399.3 TACH		

and Remarks	Signature	Certificate No.
4w AD96-12-07, Bendix MAG Impulse Inspection, D6LN2031, S/N 24888K, Impulse Found OKAY For Service Dim$\times$ = .045 & .049 Next Insp Due = 3799.3 Tach 4w SB 518C Veevatherm Insp. S/N 123222, 110 DEFAT Press SA100 or Aluminal Insp. RePl. Rocker Coor Gaskets #1 & 5 cylinders. Fuel Nozzles Removed & Cleaned. Engine Run & P & Leak Check OK Colb Terry ADP211627HA		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
5-2-03	Brought Forward →			Install new mag Slick spark plug TCM master service ignition system. manual. Opps che service.
Total To Carry Forward				

and Remarks

PIW BL-682560-13 And
harness PIW m2919 JAW
manual X40000 for
And Iycoring service
N good. Return to

Signature _____

Certificate No. _____

L. S. Philbrick A+P 2694200

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11-11-03	Brought Forward →	1553.6	3351.6	Oil & Filter Changed
Eng Sol	1553.6			Oil Screens & Filter Inspected. Plugs
Prop Sol	52.3			Cleaned, gapped, Cyl Comp. 1 ⁷² / ₈₀ 2 ⁷⁵ / ₈₀
Filter	-0-			3 ⁷⁵ / ₈₀ 4 ⁷⁵ / ₈₀ 5 ⁷⁵ / ₈₀ 6 ⁷⁸ / ₈₀ . Mag Timing
SUSSEX AERO MAINT. Adjusted. Eng Serviced 12 qts A/S				
GEORGETOWN, DEL				
11-11-03	TOTAL TIME	1553.6 Sol	80 W	Grade oil. Fuel Screens
CERTIFY THAT THIS ENGINE HAS BEEN				
INSPECTED IN ACCORDANCE WITH A AIRWORTH				
INSPECTION, AND WAS DETERMINED TO BE				
IN AIRWORTHY CONDITION				
AOP				
Robert O'Donnell 2116219IA				
Impuls & Due 3800 Tach				
Total To				
Carry Forward				

and Remarks		Signature	Certificate No.
11-11-04	Oil & Filter Changed, Filter, oil & Fuel Screens		
TACH			
3391.3	Checked For Contamination, none Found. Plugs		
A/C TT			
3391.3	Cleaned & Gapped. Cyl Comp. 1 ⁶⁸ / ₈₀ 2 ⁷² / ₈₀ 3 ⁷⁷ / ₈₀ 4 ⁷⁴ / ₈₀		
ENG			
1593.3	5 ⁶⁸ / ₈₀ 6 ⁷² / ₈₀ . Mag Timing ok'd. F.I Lines Insp		
Prop			
92.0	Per AD 02-26-01, Par 'C' & SB 342D. NO Defects.		
FILT			
-0-	Engine Serviced 12 qts A/S 80 W Grade,		
SUSSEX AERO MAINT. Engine Run up & Leak Check			
GEORGETOWN, DEL			
11-11-04	TOTAL TIME	15933	OKAY. Oil Cooler Hoses Replaced
CERTIFY THAT THIS ENGINE HAS BEEN			
INSPECTED IN ACCORDANCE WITH A AIRWORTH			
INSPECTION AND WAS DETERMINED TO BE			
IN AIRWORTHY CONDITION			
AOP			
Robert O'Donnell 2116219IA			
1 AW AD 95-26-13, TSO C53 & Tx P2			
'C'. Next Hose Insp Due 3491.3			
AOP			
Robert O'Donnell 2116219IA			
RD O'Donnell AOP 2116219			
IA			

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11-22-05	Brought Forward →	1636.0	3434.0	Oil Drained, Filter
N/C 3434.0				Removed & Inspected. Fuel & oil Screens
ENG 1636.0				Cld. Plugs Cleaned & Gapped. Cyl
Prop 134.0				Comp 174/80 276/80 370/80 423/80 580/80 674/80
MAG 108.0				Repl. oil drain line hoses # 2, 4, 6 cyl
Filt 42.7				Serv. Eng 11 gts N/S 80W, Drain P & Leak
				check OK: 9w AD SUSSEX AERO MAIN
				GEORGETOWN, DEL
		02-26-01	PAR-C-	Sch 11-21-05 TOTAL TIME 1636.0
				CERTIFY THAT THIS ENGINE HAS BEEN
				INSPECTED IN ACCORDANCE WITH A ANNUAL
				INSPECTION, AND WAS DETERMINED TO BE
				AIRWORTHY CONDITION
Total To Carry Forward				ADP 21162197A

and Remarks	Signature	Certificate No.
Tach 3472.1 ENG 1674.1 7-12-06 Drained oil, Changed Filter Serv Eng 11 QTS A/S 100W. Run & Leak Check. [Signature] 2116219		
1-10-07 Tach: 3480.0 Eng: 1682.0 Drained oil, removed & opened oil Filter, NO CONTAMINANTS Found. Inst All New CH 48110-1 Filter Serv Eng 11 qts A/S 80W. Cleared & Gapped Plugs, Cyl Comp CK, 1 ⁷⁴ / ₈₀ 2 ⁷⁸ / ₈₀ 3 ⁷² / ₈₀ 4 ⁷⁶ / ₈₀ 5 ⁷⁰ / ₈₀ 6 ⁷⁸ / ₈₀ . 4w AD 02-26-01 Part' by Insp. Replaced 12 Adel clamps. Lines OK. Next Due @		
3580 Tach on 1-08. Eng run up and Leak Check OK. [Signature] A-P 2116219	1-10-07 TOTAL TIME 34800 I CERTIFY THAT THIS AIRCRAFT 2116 HAS BEEN INSPECTED AND WAS ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AN SAFE & AIRWORTHY CONDITION AT THIS TIME [Signature] A-P 2116219	

NOTES 455.3

3-11-08 Tach 3527.4
TSO: 1729.40

Engine Removed From Piper Lance
N83924 For overhaul, By Triad
Aircraft. Burlington N.C.

Robert O. Denny
A+B2116219

NOTES

Closed
3-08