CAUTION

LOW PRESSURE PROPELLER. CHECK PRESSURE SCHEDULE IN CAP.

CA-003

45

#1

ENGINE LOG

Chamber Pressure Requirements With Temperature For HC-E2YL-2B(L)S

Temp. °F	Press. (PSI)
100	53
70	50
40	47
10	44
–20	42

PART NO. CHP-226

PIPER AIRCRAFT CORPORATION

LFT ENG 71 TO 2000

NOT IN USE

Left Eng.

ENGINE LOG

PIPER AIRCRAFT CORPORATION

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

Part No. 230 716

Left Eng.

OWNER

8964 Y

NAME	ADDRESS	Installed in Aircraft No.	Date
1 Dr. R C Montgomery	Montgomery Hospital - Butler, Pa		17 Sept 1971
2			
3			
4			
5			
6			

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

LEFT

ENGINE DESCRIPTION

Manufacturer: Lycoming Div. of AVCO, Williamsport, PA

Serial No. L-4729-55A

Horsepower: 160

Model: IO-320-B1A

FAA T. C. No. 1E12

N8964Y/39-125

Engine Accessories	Serial No.	Weight

COMPLIANCE WITH FAA AIRWORTHINESS DIRECTIVES ON ENGINE AND ACCESSORIES

A. D. No. and Date	Item	Method of Compliance (See Log for Details)	Time on Engine	Date of Compliance	Signature and Certificate No.
74-26-09		Bendix S.B. 556B	632.1	9/25/75	David H Hammonds
75-09-15		Lyc. S.B. 382		5/14/75	David H Hammonds
75-08-09		N/A		10/8/79	Fred Williams AP1589576
78-23-10		N/A		10/8/79	Fred Williams AP1589576
79-18-BX		N/A		10/8/79	Fred Williams AP1589576

Date Overhauled	Accessory	Serial Number	Work Done
			11\11\71 50 hour inspection, inspection completed this date changed oil & Filter 12 Qts Gulf 20W40
			Billy Fender A&P 1786675

Sept 15, 1972. Completed 100 hr. Insp. Per Piper Insp Report for Annual Insp.
Serviced with 40wt Gulf.
all AD Comp. 72-76 over 50 hrs
Installed new Plugs.

I certify that this Aircraft has been inspected in accordance with a 100 hr Inspection and was determined to be in an Airworthy Condition. Total Time Tach 191.00

Signature Homer T. Smith Jr.

IA 1265060

OVERHAULS

Work Done By	Certificate No.	Returned to Service By	Returned to Service Certificate No.	Returned to Service Date
5-9-73 T.T. 310.0 Removed Propeller.				
and repaired Oil leak Reinstalled Same				
		Rw Motta 1479924		
		Southeastern Propeller Service DeKALB PEACHTREE AIRPORT, CHAMBLEE, GA. REPAIR STA. 5206 (404) 451-4404		
c/w A.D. 73-10-2 par. A (Bendix fuel injector)				

DATE Sep. 11, 1973 TOTAL TIME 365.7 HRS.
I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

David H. Hammonds
DAVID H. HAMMONDS 1A 1656191
Fountain City Aviation
Columbus, Ga.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
DATE Sep. 12, 1974 TOTAL TIME 468.0 HRS. I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. David H. Hammonds DAVID H. HAMMONDS 1A 1656191 FOUNTAIN CITY AVIATION COLUMBUS METRO AIRPORT COLUMBUS, GEORGIA 31904				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
5/14/75 C/W AD 75-09-15 (Lyc. S.B. 382) by installing P/N 2538998 gasket in flow divider. David H. Hammonds	A & P	1656191
Sep. 25, 1975 C/W AD 74-26-09 by installing Bendix bushings P/N 10-163049.		

DATE Sep. 25, 1975. TOTAL TIME 632.1 HRS.
I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

David H. Hammonds
DAVID H. HAMMONDS 1A 1656191

AIRCRAFTSMEN SOUTH, INC.
COLUMBUS METRO AIRPORT
COLUMBUS, GEORGIA 31904
PHONE (404) 323-2644

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			DATE Sep 15, 1976 TOTAL TIME 742.5 HRS. I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. David H. Hammonds DAVID H. HAMMONDS 1A 1656121
AIRCRAFTSMEN SOUTH, INC. COLUMBUS METRO AIRPORT COLUMBUS, GEORGIA 31904 PHONE (404) 323-2644				
2-10-77	TT 797.4			Change oil & filter 8 qts. Add 40W + wash engine. Arthur H Yeaty A+P 2205598
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Apr. 13, 1977 Total time 810.0 hrs		
Install new MZ4218R starter S/N 702275R		
	David J. Hammonds	A&P1656191
6-27-77 Total time 850.04 change oil + filters -		
8 qts Gulf 50W + wash engine.		
	Arthur H. Yearty	A+P2205598

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
10/12/77	Brought Forward →		882.24	100 HR. INSPECTION COMP
				RESERVICED WITH [illegible]
				WITH NEW. CLEANED INT
				CHECKED AND SET. AIR
				THIS ENGINE HAS BEEN
				DETERMINED TO BE IN
Total To Carry Forward				

and Remarks	Signature	Certificate No.
ETED THIS DATE. OIL AND FILTER CHANGED.		
GULF OIL. REPLACED ALL SPARK PLUGS		
ECTOR NOZZLES AND REINSTALLED. MAG TIMING		
CHARGE IN PROP CHECKED. I CERTIFY THAT		
INSPECTED I/A/W A 100 HR. INSPECTION AND WAS		
AIRWORTHY CONDITION.	David Beauchamp	
	REP 4674898	
	Pine Mt Airport	
Date 12 Oct 77 Tach 882.24 Reading TT 882.24 TSO NIL.		
I certify that this engine has been inspected in ac-		
cordance with annual inspection and was found to be		
in an airworthy condition.	Charles J Thomas	
AD notes checked thru 77-17-8.	IA 1308722	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

July 20, 1978 975 on tack removed prop S/N BG 4389 and installed reman-
ufactured prop S/N BG 1832 All AD
Notes pertaining to the above part
have been c/w - replaced alternator belt
John Cheesmit AP 699289

PIQUA AIRCRAFT COMPANY
PIQUA AIRPORT
PIQUA, OHIO

Total To Carry Forward				

and Remarks	Signature	Certificate No.
DATE Sep 22, 1978 TOTAL TIME 1008.0 HRS. I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. David H Hammonds DAVID H. HAMMONDS 1A 1656191	AIRCRAFTSMEN SOUTH, INC. COLUMBUS METRO AIRPORT COLUMBUS, GEORGIA 31904 PHONE (404) 323-2644	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
19/8/79			1230.39	I CERTIFY THAT THIS
				WITH A 100 HOUR INSPECTION
				THIS TIME. ALL SPARK PLUGS
				FUEL PUMP REPLACED DUE TO
Total To Carry Forward				

and Remarks	Signature	Certificate No.
ENG. HAS BEEN INSPECTED IN ACCORDANCE		
AND WAS FOUND TO BE AIRWORTHY AT		
REMOVED AND CLEANED - MAG TIMING CHECKED		
LEAK. L. ENGINE	Fred Williams	AP1589376
Date 10-9-79 Total ~~Aircraft~~ Time 1230.39 I certify this		
ENGINE has ~~been inspected in accordance~~ with a		
ANNUAL inspection and was determined to be in air-		
worthy condition.		
Signature Ernest W Johnson A&P No. A-1-1069997		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →		1250	OIL AND FILTER CHANGED
3-29-80			1300	OIL & FILTER CHANGED, TEST
Total To Carry Forward				

and Remarks	Signature	Certificate No.
	Fred Williams	AP1529576
RUN FOR LEAKS OK.	[illegible]	A&P 516013

ENGINE LOG

Date	Engine Time: This Date	Engine Time: Since Major	Recorder Reading	Maintenance
	Brought Forward →			COMP TEST 80 PSI
				78 78 78 78
AIRCRAFT ENGINEERING INC. BARTOW AIRPORT 813-533-1870				INST AIR FILTER
				INST POINTS R/H
DATE 10-13-80 TAC 1369 TT 1369				MAG. 2 VALVE
I CERTIFY THAT THIS ENG HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION. AD'S THRU CARD 80-19. AD LIST BACK OF LOG BOOK.				GASKET INST.
				FUEL FLOW CHECK
				INST NEW. INST
Bill Turley				ALT BRUSH SET
SIGNATURE		RATING IA 2104722		CIW 78-9-7 BY
Total To Carry Forward				INSP L+R MAG'S
				INST NEW 211 CC PUMP.

and Remarks	Signature	Certificate No.
WASH DOWN FLIGHT TEST		
NORMAL [illegible]	[illegible]	
	IA 2100733	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
12/23/80			1389.8	Removed Eng Drive
				Installed new pump
				IAW MEG specs
20 JAN 81			1406.5	CHANGED OIL-SERVICED WITH 8qts
Total To Carry Forward				

and Remarks	Signature	Certificate No.
en Fuel Pump due to leakage.		
TSO-0- TSI-0- All work done		
A/C ran & leak ck. O.k.	[signature]	A&P 1[illegible]321
AEROSHELL W-100 REPLACED FILTER (OF-11A.)	Kenneth R. Miles	A&P 291480324
2-4-81 TAC 1410 INST. O/H		
BENDIX MIX PLATES + O" RINGS		
TEST RUN NORMAL		
AIRCRAFT ENGINEERING BARTOW MUNICIPAL AIRPORT RT. 3, BOX 246 BARTOW, FLORIDA 33830 813 - 533-1870	Bill Zimley	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
7-7-81	TAC	1454		OIL + FILTER
8 QT	CLEAN	&	LUB	STARTER
BENDIX	DRIVE			WASH DOWN
FLIGHT	TEST			OK
	AIRCRAFT ENGINEERING BARTOW MUNICIPAL AIRPORT RT. 3, BOX 246 BARTOW, FLORIDA 33830 813-533-1870			RW [signature] A&P 2104470
Total To Carry Forward				

and Remarks	Signature	Certificate No.
COMP TEST 80 PSI 78 76 76 76 OIL + FILTER 2 VALVE GASKET + REPAIR MAL LEAD WASH WARM RUN UP NORMAL		

AIRCRAFT ENGINEERING INC.
Bartow Airport
813 / 533-1870
Repair Station FAA Approved #764-84

Date 10-8-81 TAC 1498 TT 1498

I certify that this ENGINE has been inspected in accordance with an Annual inspection and has been determined to be in airworthy condition.

AD's thru card 81-20

AD list back of log book.

For details work order # 4239

Bill [signature]

Signature IA Rating

INSP

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
7-13-82	Brought Forward →	1580.6	50 Hr	INSP C/W as per
Serv. man. changed oil & Filter, Aeroshell 100				
50 W cleaned & set gap spark plugs. oldest				
spark plugs top side. A/C Airworthy at this				
time. [signature] AP 223301662				
Roberts Flying Serv. Lakeland Fla.				
Comp chk 1 74/80 2 77/80 3 78/80 4 78/80				
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Comp TEST 80 PSI 78 78 76 78 OIL + FILTER SET 77-12-6 OIL PROPS R+R 4 PLUGS R+R ALT BELT WASH DRAIN RUN UP	AIRCRAFT ENGINEERING INC. Bartow Airport 813 / 533-1870 Repair Station FAA Approved #764-84 Date 11-9-82 TAC 6611 TT 6611 I certify that this EM has been inspected in accordance with an [illegible] inspection and has been determined to be in airworthy condition. AD's thru card 82-22 AD list back of log book. For details work order # 839 BM [illegible] Signature Rating INSP.	

ENGINE LOG

Date	Engine Time: This Date	Engine Time: Since Major	Recorder Reading	Maintenance
	Brought Forward →			Comp TEST 80 PSI
				76 78 78 78
				OIL + FILTER SOT
				R+R AIR FILTER
				WASH DOWN RUN
				UP ADDITIONAL

AIRCRAFT ENGINEERING INC.
Bartow Airport
813 / 533-1870
Repair Station FAA Approved #764-84

Date 11-10-83 TAC 1769 TT 1769

I certify that this EM has been inspected in accordance with an [signature] inspection and has been determined to be in airworthy condition.

AD's thru card 83-21

AD list back of log book.
For details work order # 1635

BM [signature]
Signature Rating INSP.

Total To Carry Forward				

and Remarks	Signature	Certificate No.
4-13-84 TAC 1810 OIL + FILTERS		
8qt WASH DOWN RUN UP		
BM [illegible]		
IA 2104222		

and Remarks	Signature	Certificate No.
COMP TEST 80/ 75 76 74 76 OIL + FILTER CHG C/W 78-9-7 FLUSH TEST ALL NEW PLUGS WASH DOWN RUN UP NORMAL	AIRCRAFT ENGINEERING INC. Bartow Airport 813 / 533-1870 Repair Station FAA Approved #764-84 Date 11-23-84 TAC 1858 TT 1858 I certify that this ENG has been inspected in accordance with an [illegible] inspection and has been determined to be in airworthy condition. AD's thru card 84-22. AD list back of log book. For details work order # 2455 [illegible signature] Signature IA 2190939 [illegible] Rating	

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11-29-85	Brought Forward →	1941.0		Changed Oil Changed Oil Filt
				Checked Compression
				Checked Mag points
				& Gaskets Replaced.
				Condition — Checked All
				AD 81-18-04 Oil Pump
				DUE 2000.0 Hrs.
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Cleaned Fuel & Oil Screen		
Cleaned & Gapped Spark Plugs		
& Timing Checked Exh. System		
Alt. Brushes Checked Starter		
AD's Thru 85-22		

ENGINE
I CERTIFY THIS AIRCRAFT
HAS BEEN INSPECTED IN ACCORDANCE WITH A
.... Annual .... INSPECTION AND IS
DETERMINED TO BE IN AIRWORTHY CONDITION.
PERTINENT DETAILS ON FILE UNDER WORK ORDER
....
DATE 11-29-85 TOTAL TIME 1941.9
IA 1490133 William K. Smith

Tach 1983

ENGINE LOG

COASTAL AIR ENGINE SERVICE, INC. OF N.C.

Model 10-320-B1A Serial #L-4729-55A

Engine was removed from aircraft for major overhaul. Engine was disassembled, cleaned, and inspected. All steel parts were magnafluxed, all non ferros metals were zyglo inspected as needed. All cylinders were honed, installed all new pistons, new rings, new exhaust valves, reconditioned intake valves. New valves keepers, seats and guides were cut or replaced as needed Crankcase was assembled using all new main bearings, all new rod bearings, new seals, gaskets, clamps, rubbers, and hoses. Installed all new intake, and drain hoses. Camshaft was replaced new. Starter, mags and alternator were checked and repaired as needed. Engine was install

Total
Carry Forward

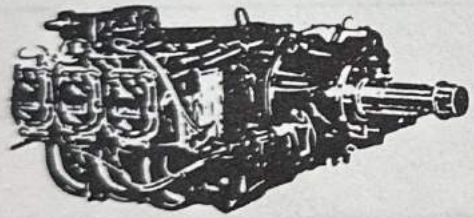
back on aircraft N8964Y, test run and found to be airworthy this date. AD Note 81-18-04 C/W/ all other AD notes PCW. Tach Time 1983/154

A&P John W. Stroupe

A&P # 1266288

No.

COASTAL AIR
HIGHWAY 321 SOUTH
GASTONIA, N.C. 28052



Coastal Air Engine Service Warranty

All engines warranted against defect in material and workmanship to 100 hours, to include parts and labor. An additional pro-rated warranty, parts only to 1000 hours. All parts and labor to be approved by Coastal Air prior to commencement of work. Cracked cylinders and crankcases excluded from all warranties unless it can be determined that they are a direct result of improper assembly. Loss of revenue or use of aircraft claims willnot be allowed, Accessory items to be warrantied by vendor of such items.

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
11-7-86	Brought Forward →	TACK 1993.0	Change Oil Changed [illegible]	
	S.M.O.H.	10.0	Checked Compr. all 70's or...	
			Checked all AD's Thru. 86-21.	
Total To Carry Forward				

ENGINE
I CERTIFY THIS AIRCRAFT
HAS BEEN INSPECTED IN ACCORDANCE WITH A
.... INSPECTION AND IS
DETERMINED TO BE IN AIRWORTHY CONDITION.
PERTINENT DETAILS ON FILE UNDER WORK ORDER
....
DATE .... TOTAL TIME ....

and Remarks	Signature	Certificate No.
Filters cleaned Oil Sump		
89. Replaced All Eng. Lord Mounts		
ENGINE		
I CERTIFY THIS AIRCRAFT		
HAS BEEN INSPECTED IN ACCORDANCE WITH A		
..... INSPECTION AND IS		
DETERMINED TO BE IN AIRWORTHY CONDITION		
PERTINENT DETAILS ON FILE UNDER WORK ORDER		
.....		
DATE 11-7-86 TOTAL TIME 1993.2		
IA1490133 [illegible]		
[redacted]		

ENGINE LOG

Date	Engine Time		Recorder Reading (TAC - 1983.94)	Maintenance
	This Date	Since Major		
7-24-87	Brought Forward →	TAC 2035.51	TSMOH 51.67	Changed Oil and filter
				Filter element Champion
				Engine cleaned and test
8-23-87		TAC 2052.95		Changed all spark
9-27-87		TAC 2073.89	TSMOH 89.95	A/S W100 SAE 50 Change Oil and filter;
				Safety oil filler tube, clean
				Mag P lead, repair cracked
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Replaced (w) 8QTS Aeroshell SAE 50 w 100	RA [illegible]	ATP 1633574
CFO-100		
run - no leaks		
plugs (w) Champion REM 40 E	RA [illegible]	ATP 1633574
Replace oil cooler to engine oil line, re-	RA [illegible]	ATP 1633574
air filter, Set engine oil pressure, repair		
eng baffle, Clean and inspect engine		

SERVICEABLE
(PROPELLER)

Hartzell Sn BG159

MAKE SERIAL

HC-E2YL-2BS

MODEL

MAINTENANCE RELEASE

The propeller identified above was ☐ ~~repaired~~ ☒ overhauled and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Pertinent details of the repair are on file at this repair station under; work order:

NO. 604

DATE Dec 2, 1987

OWNER:

Joe E Brobst

SIGNED FOR:

Repairman's Cert. No. 2353450

OCEAN SIDE PROPELLER SERVICE, INC.
370 Golden Knight Blvd.
Titusville, FL 32780
FAA Repair Station #764-123
401 ~~305~~-267-0086

ENGINE LOG

and Remarks	Signature	Certificate No.
Comp TTBST 8005H 78 78 78 78 77-17-6 [illegible] OIH 84-26-2 Filter Inst. [illegible] [illegible] gsk. [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible]	AIRCRAFT ENGINEERING INC. Bartow Airport 813 / 533-1870 Repair Station FAA Approved #764-84 Date 12-8-87 TAC 2084 TT 91 I certify that this Eng has been inspected in accordance with an Annual inspection and has been determined to be in airworthy condition. AD's thru card 87-19. AD list back of log book. For details work order # 5776 [illegible signature] Signature	[illegible] [illegible] Rating [illegible]

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
1-28-88			2102:07	Changed engine oil (W)
2-2-88			2102:07	Replaced engine cylinder head
3-2-88			2115.30	L/H TAC REPLACED. TIME
				Yellow tag attached this
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Aroshell W 100 SAE 50 - 7QTS	RA Inscoe	ATP 1633574
temp probe (Piper 462-044 ~~550-54~~)	RA Inscoe	ATP 1633574

SET TO 2115

page

-SERVICEABLE-

FLA. AIRCRAFT INSTRUMENTS, INC.
Municipal Airport
Leesburg, Florida

Repair Station
No. 708-7

Model 551 Serial No. 87433

Type RPM Mfg. AC

Customer Bob Inscoe

☐ Calibrate ☐ Check

☒ Repair ☐ Overhaul

T.S.O. 0 TTIS 2115.30

Work Order No. I 8062-4 Date 3-2-88

Mechanic D Hall Inspector

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
4-19-88	Brought Forward →	143.62	2127:46	Changed Oil and filter Aero-
				test run and checked for
5-21-88			2154.52	Changed engine oil Aero
9/28/88			2182.	Changed Oil & Filter
9/30/88			2186	Cleaned Gapped Plugs
12/5/88	Tach 222536			Changed Oil, Oil Filter, Installed
				Mag Harness Per STC SE85961
—	—		—	—
				Test Run Checked OK
				Installed Rebuilt Starter
Total To Carry Forward				

and Remarks	Signature	Certificate No.
shell w100/50; Champ CFO-100. Engine	RA [illegible]	AP 1633574
leaks		
shell w 100/50	RA [illegible]	AP 1633574
Test Run Checked OK.	[illegible]	A/P 536-26-3292
	[illegible]	A/P 536-26-3292
4 REM 40E Plugs (Top cyls). Installed New Slick Mags &		
Slick Service Letter SL-3-85 Kit 4527 Timed Eng. ine		
[illegible] A/P 536-26-3292		
4Z 4222 Ech Ser# 6T000230 [illegible]		A/P 536-26-3292

ENGINE LOG

Date	Engine Time This Date	Engine Time Since Major	Recorder Reading	Maintenance
	Brought Forward →			

AIRCRAFT ENGINEERING INC.
Bartow Airport
813 / 533-1870 5 m pst
Repair Station FAA Approved #764-84

Date 1-6-89 TAC 2223 TT 2520

I certify that this Eng has been inspected in accordance with an B inspection and has been determined to be in airworthy condition.

AD's thru card 88-23.
AD list back of log book.
For details work order # 6463

Signature Rating
IA

1. COMPRESSION TEST 80 PSI
LE 78-78-78-78
2. SET IDLE MIX & SPEED
3. REPAIRED TOP BAFFLING

CRS# 764-84

Total To Carry Forward				

and Remarks	Signature	Certificate No.
6/8/89 Tach 2263.31 change oil & oil filter		
Test run Eng for leaks checked OK.		
[signature]	A/P 536-26-9292	
7-25-89 [illegible]		
ACT. ASSY S/N 10305		
TEST ACU.	CRM [signature]	
TAC 2272	CRS 7LYS [illegible]	

ENGINE LOG

Date	Engine Time		Record Readi
	This Date	Since Major	
	Brought Forward →		

AIRCRAFT ENGINEERING INC.
Bartow Airport
813 / 533-1870
Repair Station FAA Approved #764-84

Date 2-1-90 TAC 2404 Total Time 411

I certify that this A/C Eng has been inspected in accordance with an annual inspection and has been determined to be in airworthy condition.

AD's thru Card 90-2

AD list back of log book.

For details work order # 2306

Bill Turley Signature

Inspector Rating

Total To Carry Forward

ANNUAL INSPECTION (LEFT)
N88WW TACH. 2404

1. COMPRESSION TEST 80 PSI: 78 76 78 78
2. CHANGED OIL AND FILTER (USED 8 QTS)
3. REPAIRED LEFT OIL COOLER BRACKET

AIRCRAFT ENGINEERING, INC.
CRS 764-84

and Remarks	Signature	Certificate No.
2/16/93 Tach 2824:40 hrs. Oil changed 8qts #50		
Aeroshell W Added. New oil Filter cartridge Installed-		
Suction Screen Checked OK! Run uP No Leaks.		
	Paul [illegible]	1372124 A+P IA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
09-18-90	2463.0			Change oil & filter
27 Dec 90	2498.2			Removed & replaced vacuum
3-5-91	T.T. 2518.7			
	Drained oil, Cleaned Screens, changed Filter, installed			
	Comp. Ck. #1 78/80 #2 76/80 #3 76/80 #4 78/80 Cleaned & Gap			
	Comp. with A.D. Note 84-2602 New filter. I certify this Eng.			
	and found to be in an Airworthy Cond. this Date. (End)			
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Clean & Regap plugs	[signature]	2058187 38
pump w/ new vacuum pump ser. # 09AF006668	John [signature]	203561945
	AERODYNE CORP. CRS H0IR 199K HAMPTON ROADS AIRPORT CHESAPEAKE, VA. 23321	
new seal on oil stick Tube installed new Air Filter		
Plugs, Cleaned Fuel injectors, Add 8 qts Aero Shell W100		
has been inspected I/A/W a 100 hr. inspection		
[signature] Phillip E. Vernon		
A+P 1793136		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
12-24-91	TT 2659.7		2498.2	Change oil & filter, Replace Alternator and belt #37A19773-36 ground cable. Dayco 5-0328
Total To Carry Forward				

and Remarks	Signature	Certificate No.
8 qts Aeroshell SAE 50,		
with prestolite Pt# A1X8403 (Tag Attached)		
(Lyc). Ats replaced entire Alt.		

ENGINE LOG

Date	Engine Time: This Date	Engine Time: Since Major	Recorder Reading	Maintenance
4-1-92	Brought Forward →	695.93	2679.76	
	Comp. CK. #1 74/80 #2 74/80 #3 75/80 #4 74/80 Changed oil + Filter			
Cleaned Screens Added 8 qts Aero Shell 100, Tighten Alternator mount bolts,				
Regaped Spark plugs, Repainted + replaced all baffelings seals, repaired +				
repainted Air boxes installed New Air filter inspected AD 90-04-06. (END)				
Philip E. Vernon A+P 1793136				
				Date 4-1-92 T.T. (L) 2679.76 (S) 695.93 SMOH I certify that this AC/Eng. has been inspected in accordance with a Annual inspection & has been found airworthy. Sig. Philip E. Vernon Cert. # IA 1793136
Total To Carry Forward				

Aircraft Engineering Inc.
Repair Station VF4R594M
N88WW L/H tac.2736.6 7/28/92
1.R&R Alternator with overhauled unit.
2.R&R Idler pulley bearing with new
3.Welded up idler pulley arm.
4.Repaired alternator mount bracket
5.R&R alternator belt with new.

	Signature	Certificate No.

ENGINE LOG

Date	Engine Time: This Date	Engine Time: Since Major	Recorder Reading	Maintenance
2/16/93	Brought Forward →		2824:47	hrs. Oil changed, 8 qts
#50 AeroShell W added. New oil Filter cartridge Installed				
Suction Screen checked ok. Run up No Leaks.				
				Paul W. Hilgren 1372124 A&P IA
2/23/93	Tach 2830.0 hrs. Removed Alternator			
S/N 2051343 P/N ALX8421RS + Installed Electrosystems				
overhauled S/N 3020759 P/N ALX8421RS Alternator.				
maint. Release Attached. Alternator Removed Because of				
Failure + worn Bearings. Corrected Wiring Error				
Total To Carry Forward		By Installing ground wire To Alt.		

and Remarks	Signature	Certificate No.
Frame Instead of 'Aux'. Terminal As was Found.		
Field Leads Also Connected (F1 + F2 Crossed). Runs		
Normal, Output Normal.	Paul W. Helgren	1372120
5/14/93 2866.8 hrs. Oil changed, New filter Element		
Installed. 8 qts #50 W AeroShell Added. Both mags Removed		
Contacts Insp. Reset 'E' gap, Insp, Clean + Lube Dist. gear		
shaft + Block Bearings. Reinstall mags To Correct Position.		
New Fuel Line Installed From Servo To Flow Divider.		
C/W 400 hr Valve Inspection Per Lycoming Instructions		
on PA89 Insp. guide, 4 New Rocker Box gaskets.		

ENGINE LOG

Date	Engine Time: This Date	Engine Time: Since Major	Recorder Reading	Maintenance
5/14/93	Brought Forward →		2866.8	Retorqued Alternator Through Bolts Per Electro-Systems Placard. New Flange gaskets & Hose couplings on #1 & #3 Intake Pipes. Replaced missing Terminal Nipples on E.G.T. Sender & Both mag "P" Leads. AD 90-04-06R1 C/W By Installing Stainless Steel Line Assy # 75167, 75165 Clip, STD-1930 Hose, STD-4838 Bolt, Lw-16266-25-38 Clamp. Installation made Per AD Instructions Appendix 1, Lycoming SB.488A, Supplement #1 For SB 488A. S.I. 1435. Existing Elbows
Total To Carry Forward				

Old CYLINDER NO.

1	2	3	4	5	6
75/80	73/80	71/80	72/80	X	X

COMPRESSION CHECK

and Remarks	Signature	Certificate No.
Were Steel. AD 93-05-21L	N/A Because Affected	
Pump Not Installed At This Time, AD 92-12-05		
(Piston Pin Failure) N/A Because Records Reflect No Pin		
Replacement During Affected Time Period. AD 91-14-22		
(Crankshaft gear Attach Bolt) Due At Eng. overhaul, Prop Strike, Sudden		
Stoppage or gear Train Repair. New Packing Seal on Fuel		
Inlet Fitting of Servo. Cleaned Lead Deposits From		
Spark Plugs, gapped Plugs. Removed Heavy Lead Deposits		
From Lower Plug Holes. New 77547 Bracket Installed		
For Fuel manifold. AD's Checked To Date, See AD Sheet In		
Current Airframe Book. Eng. Washed + Controls Lubed.		Eng. Run P

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			

And Adjusted Per Piper manual Both Idle
mixture + RPM. Operation Normal. New Hose From Servo To
Fuel manifold. mags Inspected 'E' gap Reset, Dist. Sections cleaned, Insp
Lubed, Reinstalled mags. ~~AD's checked to date, See AD Sheet A. from Back~~
~~Eng. Washed Controls Lubed. Runup~~ Normal, ~~Set Idle mix + RPM~~
~~Per Piper manual~~. Oil chg. 8qts Aeroshell 50W, New filter, Retorque
All Thru Bolts. Lyc. Hook Valve Insp c/w. Secure oil Filltube.

Paul W. Hilgner #1372124 AP-IA

Total To Carry Forward				

and Remarks	Signature	Certificate No.

AD 77-12-06 12/21/77 (Hartzell S.L. 61R 2/28/92)

IS NOW Due AT 12,000 Hour Time In Service Intervals,

Present Tach Would Indicate 14,084 hrs When Due again.

Paul W. Hilgren 1322124 IA

Prop Blades Dressed, Added Air To Prop Dome

I certify that this ~~Aircraft~~ Propeller
Has been inspected in accordance
with A 100hr- inspection
and was determined to be in
airworthy condition.

Date May 14, 1993

Tach hrs 2866.8 hrs.

[illegible]

Signed Paul W. Hilgren 1322124

782.8 hrs Since O.H.

A&P-IA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
		I certify that this ~~aircraft~~ Engine has been inspected in accordance with # 100 hr inspection and was determined to be in airworthy condition.		
		Date May 14, 1993		
		Total Time Eng. 2866.8 hrs Per Records		
		T. T.		
		Signed Paul W. Hilgner 1372124 A&P-IA		
		882.97 hrs SMOH.		
7-24-93			2920.77	DRAINED OIL - INSTALLED NEW
				AND SERVICED WITH 8 qts AERO
Total To Carry Forward				

and Remarks	Signature	Certificate No.
CHAMPION CFO-100 FILTER ELEMENT	[signature]	
Shell OIL W100		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
8-17-93	Brought Forward →		2942.10	INSTALLED "90° BRACKET AND RT
				LW 16266-1075 clamp SECURED
				NUT 10-32 SELF LOCKING AD.
1-26-94			3020:22	(8) Eight New
				Filter Element CF or 100
				AeroShell Added. Two
				#3 cyl. New Blow And
				New Bolt in AIT Idler
Total To Carry Forward				Replaced 3/8 cylinder Hold Down Stud F-

and Remarks	Signature	Certificate No.
REAR TUBE ASSY. LW 16266-10-13 CLAMPS,		
with STD 860 SCREW 10-32 x 5/8 AND STD 670		
93-0205 COMPLIED WITH PER SB NO 342A	Mal Beckham	A&P 1591630
REM 40E Spark Plugs installed. Oil changed + New		
installed. Suction Screen checked OK. 8 qts #50 W		
New Exh. Studs #1 cyl + one New Exh. Stud on		
Exh gaskets on #1 + #3 cyls. with New Nts + washers.		
Pulley Bracket.	Paul W. Helgren	IA 1372124 A&P
#3 Cyl Lower AFT Position!	Mal Beckham	A&P 1591630

ENGINE LOG

Date	Engine Time: This Date	Engine Time: Since Major	Recorder Reading	Maintenance
5/1/94	Brought Forward →		Left 3048.72 hrs.	Cleaned (4) Injector
Nozzles, Run ok Paul W Hallgren 1372124 A&P-IA				
6/7/94			3063.86 hrs	
Oil changed, 8 qts AeroShell				
100W Added. New filter				
Element Installed, Suction				
Screen checked ok. Spark Plugs Cleaned & Regapped.				
New Lower Ignition Leads on #2 & #4. Repaired				
Two Ignition Leads At Spark Plug End To Correct				
Total To Carry Forward			Broken Shielding. Magnetos Removed	

COMPRESSION CHECK

CYLINDER NO. 1	2	3	4	5	6
76/80	79/80	78/80	75/80	X	X

and Remarks	Signature	Certificate No.

Check Contacts & Reset E' gap. Clean, Insp., & Lube Dist.
Section. Reinstall on Eng. New Cooling Duct For Alternator.
AD 93-02-05 C/W By Insp. only of Fuel Injector Lines,
Clamps & Supports (SB 342A) Due Ea 100hr, Annual or
maint. Requiring Line Removal. AD's were checked To
Date. Controls Lubricated & Checked For Travel.
Operation Normal. Paul W. Hilgren # 1372124 A&P-IA

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →		I certify that this ~~aircraft~~ Engine has been inspected in accordance with A 100hr inspection and was determined to be in airworthy condition. Date June 7, 1994 Per Records Total Time Eng. 3063.86 hrs. L. L. A. Signed Paul W. Hulgren 1372124 A&P IA	
Total To Carry Forward				

and Remarks	Signature	Certificate No.
Prop. Blades Dressed, Air Serviced In Dome, greased Hub.		
Paul W. Helgren	1372124 A&P-IA	
I certify that this ~~aircraft~~ Propeller has been inspected in accordance with A 100 hr. inspection and was determined to be in airworthy condition.		
Date June 7, 1994	979.86 hrs. Since overhaul.	
Total Time 3063.86 hrs. Per Records.		
Signed Paul W. Helgren	1372124 A&P IA	

ENGINE LOG

Date	Engine Time: This Date	Engine Time: Since Major	Recorder Reading	Maintenance
	Brought Forward →			
10/11/94	TACH	3117.88		CHANGED OIL AND FILTER
				@ CFO-100 OIL FILTER
7/1/95	3181.46	1198.0		C/W Annual Inspecti
				Clean & gapp Spark
				Replaced Push Rods
				Intake Rod Replaced
				New Valve GSKS ins
Total To Carry Forward				

DATE 7/1/95 T.T. IN SERVICE 3181.46
I CERTIFY THAT THIS ENG HAS BEEN INSPECTED
IN ACCORDANCE WITH A ANNUAL INSPECTION AND
WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
O Smith IA 44626572

and Remarks	Signature	Certificate No.
USING 8QTS AEROSHELL 100W OIL AND		
WASH ENGINE - RUN-UP, LEAK V GOOD.		
Timothy J. Mangin		
SUN AIRCRAFT SERV.		
CRS UNGR 574L		
Changed oil & Filter Chkd Screen		
plugs. Comp test #1 74/80 #2 76/80 #3 76/80 #4 76/80		
in #1 Cylinder Exhaust Position Replaced w/-14,		
with -15 to obtain proper Valve Clearances		
Talbed Run-ups Chkd good No leaks Noted.		
(Note: Pushrods changed in RH Engine only)		

ENGINE LOG

Date	Engine Time: This Date	Engine Time: Since Major	Recorder Reading	Maintenance
10/4/96 3278.11	Brought Forward →			C/W Annual Inspection per PA39 Inspection ch list. Comp test #1 76/80 #2 78/80 #3 76/80 #4 74/80 Changed oil & Filter cked Screen & ok. Replaced #1 intake pushrod housing due to Cracks on Tube. Replaced Seals as Needed. Repaired Cracked Fwd Baffles Replaced Fuel pump to Servo Fuel line Run-ups cked good. I certify that this Engine was Inspected in Accordance with an Annual Inspection & was determined to be in Airworthy Cond. IA 446261T2
Total To Carry Forward				

TACH 3356.9 / 76.48.

and Remarks ~~10/28/96~~ 7/28/97	Signature	Certificate No.
Chayed oil & Filter Clean Screen		
R&R all Spark plugs Chayed with New Plugs.		
	[signature]	
	AEROJET XJ8R036N.	
11/7/97 3427.0 LH.	WO# 755	
Chayed oil & Cleaned plugs Cleaned Injectors		
R&R all push rod Seals. / Rocker gaskets		
Install New Hobbs Switch. R&R Rh lower		
Engine MTS Assy. Repair Lee. Ignition lead Ends.		
Repaired Broken Baffles.		
Comp test. 71/80 75/80 75/80 75/80		
Adj idles. Mixtures Run-ups ched good.		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
	Brought Forward →			
Total To Carry Forward				

DATE 11/7/97 T.T. IN SERVICE 3427
I CERTIFY THAT THIS Eyeee HAS BEEN INSPECTED IN ACCORDANCE WITH A Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

The aircraft/airframe/engine/propeller or appliance identified herein was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of this repair are on file at this repair station under
WO # 793 Date 11/7/97
Signed [signature] For AeroJet
Auth. Rep. CRS Name
XJ8R036N.

and Remarks	Signature	Certificate No.
3/12/98		
L-TACH 3529.59		
C/W 100 HR. Inspection changed oil & Filter		
Clean & gapped Spark plugs. Checked & lub Controls.		
Comp test 72/80 71/80 73/80 71/80 Replaced		
1ea. Rocker Cover gasket, Ground Runs checked good		
No leaks Noted. DATE 3/12/98 T.T. IN SERVICE 3529.59 I CERTIFY THAT THIS ENG. HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR. INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION		
The aircraft/airframe/engine/propeller or appliance identified herein was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under WO # 881 Date 3/12/98 Signed [signature] Auth. Rep For AeroJet X5SR036N CRS Name		

ENGINE LOG

Date	Engine Time		Recorder Reading	Maintenance
	This Date	Since Major		
10/1/98	Brought Forward →			
TACH 3628.5		c/w Annual Inspection per FAR 43 app. D		
TSOH 1645.04		a PA39 inspection ck. lit. Changed oil &		
		filter, Replaced Air Filter Element. R&R		
		Sparkplugs cleaned gapped & tested ok.		
		Comp test #1 70/80 #2 69/80 #3 68/80 #4 71/80		
		Cleaned & degreased Engine, lubed Engine		
		Controls. Ground Runs performed all systems		
		ched good No leaks Noted.		
		DATE 10/1/98 T.T. IN SERVICE 1645.04 TSOH I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. [illegible], IA 44626512		
Total To Carry Forward				

Aircraft Engineering, Inc.
Bldg. 434 Bartow Airport
Bartow, FL 33830
941-533-1870 FAA VF4R594M

DATE: 11-18-99 TACH: 3695

W.O.11914--N88WW--Left Eng.

1) Compression Test 80 Psi/
   76,76,78,76
2) Change Oil and Filter
   8 Qts 100W
3) R/R All Spark Plugs with
   new
4) R/R FF Hose Firewall to
   Engine with new
5) R/R Air Filters with new
6) SB 518C Oil Temp Valve
   Inspected OK
7) Alternator Fan Arm Removed
   and Replaced with OH
   Assembly
8) Test Run UP OK
9) AD 93-2-5 LYC LINES Inspected OK

	Signature	Certificate No.
	Date 11/18/99	
	AIRCRAFT ENGINEERING INC.	
	Bartow Airport 1712 S.O.H.	
	813/533-1870	
	Repair Station FAA Approved VF4R594M	
	TAC 3695 Total Time 3695	
	I certify that this ENGINE has	
	been inspected in accordance with an	
	ANNUAL inspection and has been	
	determined to be in airworthy condition.	
	AD's thru Card 99-20	
	AD list back of log book.	
	For details work order # 11914	
	Bill Turley Signature	Inspector Rating

Total To Carry Forward

SERVICEABLE

Manufacturer PRESTOLITE

Part Name ALTERNATOR

Part No. ALX-8421LS

Model No. 12V 70A

Serial No. 902100005

Maintenance Release

The appliance identified above was overhauled/~~repaired~~, inspected and tested in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.

Remarks: 4E

Pertinent details are on file at this repair station under work order no. 17257

Authorized Signature

12/27/95
Date

Executive Accessories, Inc.
FAA Approved Repair Station
No. RL4R496M
1072 N.W. 53 St., Ft. Laud. 33309

and Remarks

NAPLES AIR CENTER, INC.
CRS X04R655M
230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104

AIRCRAFT: N88WW DATE: 2/17/00 TACH: 3711.3 WORK ORDER: 6996

REPLACED LEFT ENGINE VACUUM PUMP WITH OVERHAULED UNIT S/N86598. OPS AND LEAK CHECKS GOOD ON RUN UP.

T. Mark Prince FOR NAPLES AIR CENTER, INC.
T. MARK PRINCE

4-21-00 TAC 3727
CHANGE OIL + SCREEN 8 QT
TEST RUN UP OK
[illegible signature]
IA 25047727

4. 3711.3
88 wW

SERVICEABLE

1. United States	2. FAA Form 8130-3 Airworthiness Approval Tag US Department of Transportation Federal Aviation Administration	3. System Tracking Reference Number 86598
4. Organization RAPCO, Inc. 445 Cardinal Lane, Hartland WI 53029		5. Work Order, Contract, or Invoice Number

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	~~Vacuum~~ Pump	211CC	~~Various~~	1	86598	Overhauled

13. Remarks

Overhauled in accordance with Process Specification #203-6-1009

"Certifies that the work specified in block 12/13 was carried out in accordance with JAR 145 and with respect to that work the aircraft component is considered ready for release to service under JAA Acceptance Certificate Number: JAA.4802

Limited life parts must be accompanied by maintenance history including total time/total cycles/time since new

14.	19.
New ☐ Newly Overhauled ☐ Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) manufactured in accordance with FAA approved design data and airworthiness regulations. Note: In case of parts to be exported, the special requirements of the importing country have been met.	Return to Service in Accordance with FAR 43.9 Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.

15. Signature	16. FAA Authorization No.:	20. Authorized Signature: [signature]	21. Certificate Number: NE5R064N
17. Name (Typed or Printed)	18. Date:	22. Name (Typed or Printed): JEFF SCHMID	23. Date: 12-2-99

FAA Form 8130-3 (11-93)

* (Optional) Installer must cross check eligibility with applicable technical data.

5-16-'73

NOTES

Bendix Fuel injector - were not
Repaired or Overhauled between
30 Sept 72 & 28 Feb - 1973
∴ The defective diaphragm does not
apply to this Aircraft. (directive)

[illegible]

NOTES

Aircraft Engineering, Inc.
Bldg. 434 Bartow Airport
Bartow, FL 33830
863-5331870 FAA VF4R594M

DATE: 6-30-2000 TACH: 3770

WO#A6047 N88WW

1. CHANGED OIL AND FILTER
   8qt 100W

LEFT ENGINE

NOTES

NAPLES AIR CENTER, INC.
CRS X04R655M
230 AVIATION DRIVE SOUTH
NAPLES, FLORIDA 34104
AIRCRAFT: N88WW DATE: 10/19/00 WO: 7349 LT TACH: 2521.3
LEFT ENGINE LOG

DRAINED OIL. REMOVED AND INSPECTED OIL FILTER. INSTALLED NEW CH48110 OIL FILTER AND SERVICED ENGINE WITH 8 QTS. OF W100 AEROSHELL OIL. ENGINE WAS GROUND RUN UP AND LEAK CHECKED GOOD.

Robert L. House FOR NAPLES AIR CENTER, INC.