

ENGINE LOG

D-9235

1

NUMBER E F 5

NAT

ENGINE DESCRIPTION

Mfgr. **CONTINENTAL**

Place **MUSKEGON, MICH.**

Date

Type

Model **IO-520-BA**

Serial No. **200655-70 ~~111~~ B**

Rated H. P.

Maximum H. P.

Weight (Dry)

Rated R. P. M.

Maximum R. P. M.

Oil Pressure

Bore

Stroke

Displacement

Cu. In.

Compression Ratio

Supercharger Ratio

Gear Ratio

Propeller **MC CAULEY**

Hub Design

QA36023-P-CE-B ~~7113107~~

Hub Serial No. **CC4579**

Blade Design **S-843-0**

Blade Serial No.

BC2519YS

BC2490YS

Blade Serial No. ~~604877~~

Maximum Hub H. P.

Maximum Blade H. P.

Pitch

Diameter

Length

Owners Name

Address

City

State

ENGINE LOG

4

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			

Your Beechcraft Distributor
ELLIOTT FLYING SERVICE
 Des Moines Municipal Airport

DATE 8-25-71 TIME 107

I certify this engine has been inspected in accordance with a 100 hr. inspection and was determined to be in airworthy condition.

Darrell C. Vidura A&P 1955738
 SIGNATURE N.O.

*Oil change added 12 qt.
 50 w. Amshell oil filter
 changed, cleaned fuel air control
 screen & induction screen clean
 & gap spark plugs. fuel inj
 nozzles cleaned mag timing
 OK at 22° B.T.C.*

ENGINE - Drained oil, cleaned screens, checked and cleaned spark plugs, checked compression, checked fuel system, drained sumps, checked starter and generator brushes, checked mags and timed properly, checked prop for leaks and grease. Functionally checked engine.

V2

CYLINDER NO.					
1	2	3	4	5	6
78	78	78	76	78	78
80	80	80	80	80	80

BROUGHT FORWARD **COMPRESSION CHECK**

TOTALS

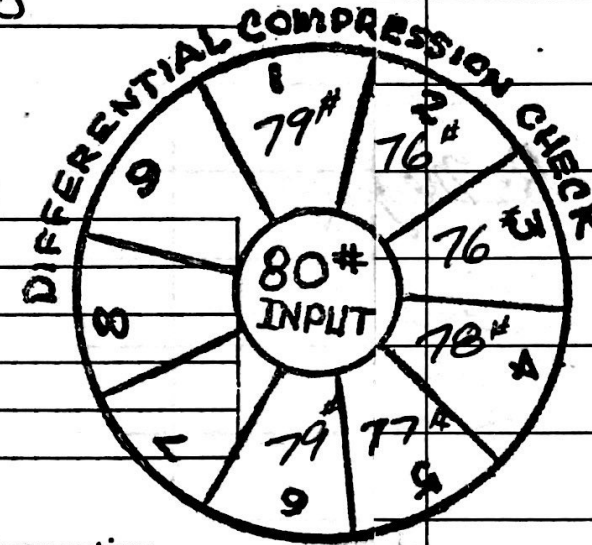
ENGINE LOG

5

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			

Engine Type Cont IO-520 B S/N 20065-70B
 N # 9140Q Tach Time 207
 For A. D. compliance through 71-22 see rear of A/C log

P/N	Description	Comment
<u>1ea 632399</u>	<u>Oil Filter</u>	
	<u>Mags Retimed to 22'</u>	
	<u>Adjusted Control Latches</u>	



The above parts installed new. Preventative maintenance completed. Inspection per Part 43 App. D. I certify that this aircraft has been inspected in accordance with an Annual inspection & was determined to be in airworthy condition.

W. O. # 94407 Date 11-9-71 Mechanic Peter S. Janis
A&P #1446SO2IA

TANIS AIRCRAFT SERVICES
Algona Municipal Airport
Algona, Iowa 50511

BROUGHT FORWARD

TOTALS

ENGINE LOG

DATE	Your Beechcraft Distributor		TIME ON GROUND	TIME IN AIR	TOTAL TIME		ENGINE — Drained oil, cleaned screens, checked and repairs & ADJUSTMENTS checked compression, checked fuel system, checked sump, checked starter and generator brushes, checked mags and timed properly, checked prop for leaks and grease. Functionally checked engine.	SIGNATURE	LICENSE NUMBER
	ELLIOTT AIR FLYING SERVICE		HRS.	MIN.	HRS.	MIN.			
DATE	Des Moines Municipal Airport								
DATE	6-2-72		TIME	354					
I certify this ENGINE has been inspected in accordance with a 100 HR inspection and was determined to be in airworthy condition.									
R. Meyers			A&P 1438828						
SIGNATURE			N.O.						

CYLINDER NO.					
1	2	3	4	5	6
72	74	76	73	75	76
80		-	-	-	-

COMPRESSION CHECK

Changed oil & new filter Aeroshell 50,
 Installed 12 new plugs AC-273, installed
 new points & coil in left mag, new points
 right mag, cleaned induction air filter,
 cleaned fuel nozzles & screen,

BROUGHT FORWARD

TOTALS

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER													
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.																
Aug 2, 1972							385 hrs.		Installed a new oil pressure transducer															
									Sury D Jones ACP 1872322															
August 7, 1972							Hour meter reads 396:00 Hrs.		Compression test =															
							<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> </tr> <tr> <td style="text-align: center;">79/80</td> <td style="text-align: center;">77/80</td> <td style="text-align: center;">78/80</td> <td style="text-align: center;">79/80</td> <td style="text-align: center;">78/80</td> <td style="text-align: center;">77/80</td> </tr> </table>		1	2	3	4	5	6	79/80	77/80	78/80	79/80	78/80	77/80	Robert L. Harris A-P 1632196			
1	2	3	4	5	6																			
79/80	77/80	78/80	79/80	78/80	77/80																			
BROUGHT FORWARD																								
TOTALS																								

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
	HANGAR ONE, INC. F.A.A. REPAIR STATION 2058										
Date	2-23-72		T.T.S. Hourmeter		624.00				Drain oil, replaced filter. Refilled with 12 qt AeroShell 40W oil. Cleared main fuel screen, fuel control valve screen and air intake filter.		
I certify that this Aircraft Engine has been inspected in accordance with A 100 hr annual inspection and was determined to be in Air-worthy Condition. Details on file under work order 2344. Compression Check. #1 $\frac{74}{80}$ #2 $\frac{76}{80}$ #3 $\frac{76}{80}$ #4 $\frac{74}{80}$ #5 $\frac{76}{80}$ #6 $\frac{76}{80}$.											
Cleared and rechecked spark plugs. Replaced points, condenser in right mag. Retimed both mags. Replaced air intake duct. Replaced rubber grommets in left exhaust linkage fuel well. Drained out mag blade nuts.											
										for C. Neetzal FAA Repair Sta. 2058	
HANGAR ONE, INC. HERNDON AIRPORT P. O. BOX 20174 ORLANDO, FLORIDA 32814											
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
20 Nov 1974							8	37	4	"I CERTIFY THAT THIS Engine HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr. INSPECTION AND WAS DETERMINED TO BE IN A WORTHY CONDITION." Joe H. McDowell MECHANIC SIGNATURE A & P NO. 1338957	
Compression check.											
	1	2	3	4	5	6					
75	72	70	70	75	65						
Installed new R.H.B. 32E S/plugs, removed, welded & re-installed SX. studs. Rt. side. Changed oil & Filter, used Gulf "A.D." 50wt.											
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

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DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
1976									TACH READING 1034.8 HRS		
25 MAR									1034.8 DRAINED OIL & REPLACED FILTER. (FILTER CUT OPEN FOR Insp) CLEANED INJECTOR FUEL SCREEN. CLEANED INDUCTION AIR FILTER. RAN COMP CHECK - SEE LEFT. CLEANED & REGAPPED ALL SPARK PLUGS. C/W A.D. NOTE 7418-5 (IMPULSE COUPLINGS) BE REPLACEMENT. P/N M 2369. RETIMED MAPS TO ENGINE. CHECKED STARTER & ALTERNATOR MOUNTING. CHECKED CABIN HEATER FOR CRACKS. STOWED NICKS FROM PROP WASHED ENGINE - RUN UP SATISFACTORY		
									Comp Check -		
									#1 cyl 73 lbs ²⁴		
									#2 cyl 75 "		
									#3 cyl 70 "		
									#4 cyl 78 "		
									#5 cyl 70 "		
									#6 cyl 72 "		
<p>HOWARD AIRCRAFT SERVICE, INC. 855 ST. JOHNS BLUFF ROAD PHONE - 641-8288 JACKSONVILLE, FLORIDA 32211</p>											
<p>I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED ACCORDANCE WITH A <u>Annual</u> INSPECTION AND DETERMINED TO BE IN AIR-WORTHY CONDITION</p>											
<p>BROUGHT FORWARD</p>											
<p>TOTALS</p>											

R. Howard I.A. # 161043

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
1977									ANNUAL INSP - HOBBS 1176 HRS		
1 May							1176.0		DRAINED OIL & REPLACED FILTER.		
									DRAINED FUEL INJECTOR &		
									CHECKED SCREEN. REPLACED		
									INDUCTION AIR FILTER. REPLACED		
									ALL SPARK PLUGS. RAN COMP		
									CHECK - SEE LEFT. CHECKED MAG		
									POINTS & TIMING. REPLACED COIL, BRUSH,		
									& DIST GEAR SUPPORT T&A MAG.		
									CHECKED STARTER BRUSHES & DLT.		
									MOUNTING. WASHED ENGR - RAN UP		
									SATISFACTORY.		
									I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED		
									ACCORDANCE WITH A <u>ANNUAL</u> INSPECTION AND		
									TERMINED TO BE IN AIR-WORTHY CONDITION.		
									<i>R. L. Howard</i> I.A. #161043		
	BROUGHT FORWARD										
	TOTALS										

HOWARD AIRCRAFT SERVICE, INC.
 855 ST. JOHNS BLUFF ROAD
 PHONE - 641-8288
 JACKSONVILLE, FLORIDA 32211

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			

Date 8/5/80 Total Time 662.23 ^{rach} Hebbs 1373.0

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found airworthy for return to service. Details on file this agency under

W. O. # 4340, 1
Signed Jack Householder

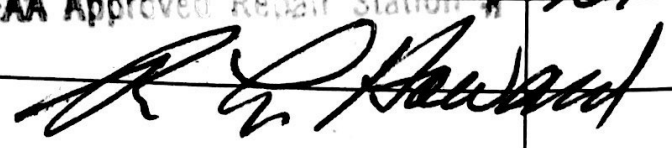
J & W Aircraft Maintenance, Inc.
FAA Approved Repair Station 707-16
Craig Airport - Hangar 12
Jacksonville, Florida 32225

BROUGHT FORWARD

TOTALS

ENGINE LOG

18

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
1982 7 AUG.							1392		Removed #2 Cyl due to low Comp, Replaced EXHAUST VALVES & Guide, broke GLAZE & REINSTALLED, REMOVED #6 Cyl REPLACED BROKEN EXHAUST STUD, broke GLAZE & REINSTALLED, DETAILS ON W.O. # 28677 ON FILE AT HOWARD AIRCRAFT SERVICE Craig Airport - 855 St. Johns Bluff Rd, JACKSONVILLE, FLORIDA FAA Approved Repair Station # 707-30 		
BROUGHT FORWARD											
TOTALS											

31

27

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
1983											
14 Sept									Total 811.83 Hrs - Replaced VACUUM Pump & Pump drive oil SEAL, W.O.# 29046 R. Howard HOWARD AIRCRAFT SERVICE Craig Airport - 655 St. Johns Bluff Rd., JACKSONVILLE, FLORIDA FAA Approved Repair Station # 707-30		
BROUGHT FORWARD											
TOTALS											

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ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
12-2884	TACH	896.8							Compression Test #1 $79/80$ #2 $72/80$ #3 $78/80$ #4 $72/80$ #5 $69/80$		
	#6	$73/80$							DRAIN OIL & REMOVE OIL FILTER & INSPECT OK. INSTALL 12 QTS		
									AEROSTEEL 100 ^W SOWT & NEW OIL FILTER REMOVE SPARK PLUGS CLEAN		
									GRP. & ROTATE REMOVE ALL ROCKER COVER GASKETS & INSTALL NEW GASKETS		
									& PAINT COVERS, REMOVE #3 CYLINDER & SEND OUT FOR REPAIRS TO FLA,		
									SOUTHERN AERO SUPPLY RETURNED CYLINDER. & AERO SPORT INSTALLED		
									CYLINDER BAL ON AIRCRAFT C/W AD ON EXHAUST 75-01-07 C/W 77-13-22		
									ENGINE CRACKS EVERY 100 HR OR ^{ANNUAL} INSPECTION C/W 81-24-06 ENGINE FUEL PUMP.		
I certify that this Engine has been inspected in accordance with <u>ANNUAL</u> inspection and was determined to be in airworthy condition.											
Signed <u>Jerome M. Rizer</u> For											
ATP 1524678 IA.											
BROUGHT FORWARD											
TOTALS											

ST. AUGUSTINE MUNICIPAL AIRPORT
ST. AUGUSTINE, FLORIDA

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			

MAINTENANCE RELEASE ENGINE OVERHAUL

ZEPHYR ENGINE SERVICE INC. Zephyrhills, Florida 34248 (813) 788-3305

REPAIR STATION (F.A.A. APPROVED) #764-88

ENGINE: ~~LYCOMING~~ *Continental* **TOTAL TIME:** 1642:4

MODEL: I0-520-BA **TIME SOH:** 0:0

S/N: 200655-70B **HOBBS TACH READING:** 247:0

The aircraft engine identified above was overhauled and inspected in accordance with current maintenance rules of the Federal Aviation Regulations and is approved for return to service. "Pertinent details of the overhaul are on file at this repair station under work order No. 86251 Date 1/30/87

SIGNED *Richard Porter*

(Signature of authorized representative)

**For ZEPHYR ENGINE SERVICE Inc.
2400 Avenue B Zephyrhills, Florida 34248**

TOTALS

USE
SER

DATE

THE FOLLOWING PARTS ARE NEW FAA PMA
PARTS UNLESS OTHERWISE SPECIFIED.

QUANTITY	DESCRIPTION	PART NUMBER
1	gasket set	632429-A3
1	nose seal	638161
1	bearing set	646593A1
12	rod bearing	630826
6	rod bushing	530658
12	cotter pin	AN-381-25-10
2	lock plate	641909
16	plate	635623
16	snap ring	629104
2	pin	630261-35
1	camshaft(exch)	629726
2	key	MS-35756-8
12	lifter	628488
1	spring	539800
1	lock tab	501867
6	ex guide	636242P010
6	ex valve	637781
6	piston	648013P015
6	piston pin	630046
6	ring set	642602A2P015
12	shaft	539740
24	bushing	639629
2	plate	641361
1	oil filter	CH-48109
12	spark plug	RHB-32-E
4	cushion	638172
24	ex stud	401893P003
1	crankcase(new)	643196
1	starter motor	646238
1	alternator(0-hauled)	ALX-9405
1	fuel system(exch)	639176-A9
-----END-----		

R. P. M.
TIME ON
GROUND
TIME IN AIR
TOTAL TIME

REPAIRS - ADJUSTMENTS

SIGNATURE

ENGINE LOG

Zephyr Engine Service, Inc.

Aircraft Engine Overhaul

Phone: 813/788-3305
Richard Porter, President

Municipal Airport
2400 Avenue B
Zephyrhills, Fl 34248

WARRANTY

All engines warranted against defects in material and workmanship to 200 hours. to include parts and labor. An additional pro-rated warranty, parts only to 600 hours on direct drive engines and 400 hours on geared engines. All warranty adjustments will be based on a minimum of 40 hours per month usage. Pro-rated warranty shall be void if the failure results from a customer owned part which fails as no result of the overhaul. All parts and labor to be approved by ZEPHYR ENGINE 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 will not be allowed. No claim shall be allowed under this warranty if, in the opinion of ZEPHYR ENGINE, the engine has been subjected to accident or used, adjusted, altered, handled, maintained or stored other than as approved by the engine manufacture. This warranty is expressly in Lieu of all other warranties and representations, expressed or implied, and all other obligations or liabilities on the part of ZEPHYR ENGINE SERVICE, INC.

ALL ACCESSORY ITEMS WILL BE WARRANTED BY THE VENDOR OF SUCH ITEMS.

ENGINE MODEL IO-520-BA ZEPHYR ENGINE SERVICE, INC.

SERIAL No. 200655-70B BY: Richard Porter

AIRCRAFT No. 9140Q DATE: 1-30-87

ENGINE LOG

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DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
4/16/87	TACH		10	41.50					Installed overhauled		
	Hubbs		2	47.8					ENGINE with new motor		
									mounts. ENGINE IMFO, on page 24 & 25		
									new hoses on Fuel System Installed new		
									overhauled prop. Installed new Rubber		
									Spindle in front of engine.		
									Installed two new		
									Slick mag and harness		
									with engine. From		
									page #23. test ran		
									on ground all ok.		
									Full power check all ok.		
									Installed 12 OZ		
									50W, mineral oil		
									AND new filter		

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

Pertinent details of this inspection are on file at this agency under work order No. 2276 Date 4/16/87

Signed [Signature] for

St. Augustine Aircraft Service
Route 3 Box 38A
St. Augustine, FL 32084
Repair Station No. 764-144

BROUGHT FORWARD

TOTALS

Installed 12 OZ
50W, mineral oil
AND new filter

ENGINE LOG

SE
ER

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> <p>I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>LOGBOOK</u> inspection and determined to be in an airworthy condition.</p> <p>Pertinent details of this inspection are on file at this agency under work order</p> <p>No. <u>2585</u> Date <u>6/2/88</u></p> <p>Signed <u>D. F. Drane</u> for</p> <p>St. Augustine Aircraft Service 4900 U.S. 1, North St. Augustine, FL 32084 Repair Station No. 764-144</p> </div> <div style="width: 48%;"> <p>I certify that this <u>ENGINE</u> has been inspected in accordance with a <u>ANNUAL</u> inspection and determined to be in an airworthy condition.</p> <p>Pertinent details of this inspection are on file at this agency under work order</p> <p>No. <u>2585</u> Date <u>6-2-88</u></p> <p>Signed <u>D. F. Drane</u> for</p> <p>St. Augustine Aircraft Service 4900 U.S. 1, North St. Augustine, FL 32084 Repair Station No. 764-144</p> </div> </div>											
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			

July 21, 1989

ENGINE

Tach: 1460.30
 T.T.: 2061.20
 SMOH: 418.80

Drained oil, cut open oil filter for inspection. Installed a new oil filter and 12 qts. Aeroshell 100W oil. Cleaned main fuel screen, injector screen and nozzles. Compression check # 1, 68/80, # 2 66/80, # 3, 70/80, # 4 74/80, # 5 70/80, # 6 74/80. Installed 12 new Auburn 273 spark plugs. Checked mag timing. Made a visual inspection of cabin heat muff, has 418 hours since new. A.D. 84-26-02 installed a new engine air intake filter. Complied with Beech S.I. 0546-359R2. Removed and inspected alternator bearings. Installed a new bearing and oil seal on drive end. Lubricated bearing on brush end.

AIRPLANE ENGINE TIME TACH 1460.30

MAINTENANCE PLISHED

ANNUAL INSPECTION MAINTENANCE

ITEMS LISTED AND/OR ON THE W.O. 4875

THIS ENG. HAS BEEN REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE.

Ivan C. Newby 7-24-89
 AUTH. SIGNATURE DATE

HANGAR ONE INC.

ORLANDO, FL

RS YC1R633K

BROUGHT

TOTALS

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
10-4-91									Changed oil serviced with 12 qts. Aeroshell 50 wt.		
									Date 10-4-91 Tach Time 1659.77	618.5 MOH	
									I certify this aircraft/engine has been inspected in accordance with a 100 hr./an annual inspection and I found it to be airworthy.	2261 Total Time	
									DETAILS ARE ON FILE UNDER WORK ORDER NO. 3766		
									SIGNED <i>[Signature]</i> LOWE AVIATION CO.		
									FAA APPROVED REPAIR STATION # ETERG99D		
1/22/92									TACH 1683.97, 2285.2 TOTAL TIME, 642.2 SMOH		
									CHANGED OIL AND FILTER. SERVICED WITH 12 QTS		
									AEROSHELL 50 WT AND CHAMPION CH48109 FILTER,		
									FURNISHED BY OWNER. GROUND RUN, OPS CHECK, NO LEAKS.		
	BROUGHT FORWARD										
	TOTALS									<i>[Signature]</i>	
										ASP 264681091	

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
12-2-92									Drain oil, replace filter + added 12 qts		
1709.7									50W oil, cleaned + gapped spark plugs,		
12-2-92									Cleaned fuel nozzles, cleaned fuel screen,		
									adjusted mixture, checked + lubricated engine controls,		
									compression within limits		
Date 12-2-92 Tach Time 1709.7 I certify this aircraft/engine has been inspected in accordance with a 100 hr./an annual inspection and I found it to be airworthy.										6685 SMOK 668.2 hr SMOIT #2311	

DETAILS ARE ON FILE UNDER WORK ORDER NO. 4239

SIGNED *[Signature]* **LOWE AVIATION CO.**
F.A.A. APPROVED REPAIR STATION # ETER899D

I certify that this aircraft/engine was inspected in accordance with the instructions found in the maintenance manual and found to be in airworthy condition.

TOTALS
 HRS. MIN.

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
10/5/93	# 2307		5 MOH 66						Engine installed into BE35 serial # 38330	N5633S	
	Tach 5253										
5-11-95	Tach 5304 # 2354		5 MOH 711								
<p>Compression: #1 65/90 #2 44/90 #3 67/90 #4 66/90 #5 74/90 #6 76/90, Tighten both "P" heads on Magnitos, Tighten left heat muff front muff strap Bolt, tighten gear, mix go switch, tightening screws on throttle cable, retarded mixture 20. Adjusted mixture to go full travel to full high @ 1100 RPM 93-76-15 Fuel pump drive shaft ok ok to overhaul, old units on both sides,</p>											
BROUGHT FORWARD											
TOTALS											

I certify that this aircraft/engine has been inspected in accordance with a 100 hour/annual inspection and was found to be in an airworthy condition.

John G. Gabor #1878737 IA

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
6-6-96									535 / #2401, SMOH 759 Compression: #1 41/80 #2 45/80 #3 59/80 #4 60/80 #5 71/80 #6 68/80 Removed winter plug, changed pushrod tube seals & rocker cover gaskets, repaired left tank finger screen, repaired alternator capacitor wire, remove oil psi relief valve, clean, re-install, cut open filter on.		
<p>I certify that this aircraft/engine has been inspected in accordance with a 100 hour/annual inspection and was found to be in an airworthy condition.</p>										John A. Fisher #19797377A	
6-5-97									Jack 5428, #2431, SMOH 788 Compression: #1 65/80 #2 50/80 RE #3 60/80 #4 64/80 #5 66/80, #6 66/80, Changed oil 15/50 &		
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
7-23-98					5	23	1	25	SMOH 983		
<p> Compression: #1 59/40 #2 58/40 #3 63/40 #4 62/40 #5 65/40 #6 68/40 Repaired left muffler shroud, removed #2 & #4 cylinders for service by Boulder Aviation; both cylinders rejected due to bore, replaced cylinders with 2 stud exchange assemblies; refaced rockers, new rings +.015", new piston pins, 2 new exhaust valves, 2 new rotators, 2 rockers bolts, 4 new rocker shafts, new gaskets and seals, test run checked ok; repaired rt. collector; </p>											
<p> I certify that this engine has been inspected in accordance with a 100 hour/annual inspection and was found to be in an airworthy condition. </p>											
<p> John A. Fisher #1678737 FA </p>											
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS — ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
8/20/99	Tach Tone 5623.9								Removed (6) Fuel injectors and installed Comi-jector Kit No GAD 13C, S/N 5881 in accordance with Supplemental Type Certificate No. SE 092175C. See FAA Form 337 this Date. No Change in weight and Balance. Removed Fuel Manifold P/N 631427-AG, S/N K217425C and installed Rebuilt unit, P/N 631427-1F, S/N H069904CR from TCM (W.O. # P24967). Complied with TCM SB M78-11 and SID 97-3. Ground run and Leak Check, good. — End —		
<p>The aircraft, airframe, aircraft engine, propeller, or appliance identified above 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 Elliott Aviation of Minneapolis, Inc. under:</p> <p>Work Order No. <u>45307</u> Date <u>8/20/99</u></p> <p>Signed <u>Min Alkhalaf</u> For <u>CRS KX5R005N</u> (Authorized Representative) ELLIOTT AVIATION OF MINNEAPOLIS, INC. 13801 Pioneer Trail Eden Prairie, Mn. 55347</p>											
BROUGHT FORWARD											
TOTALS											

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
7-11-00	Jach		5	57					#2660, SMOH 1017 Compression: #1 58/80, #2 72/80, #3 60/80, #4 72/80, #5 68/80, #6 54/80 Change oil 15/50 Shell-10 qts., remove winter front		
<p>I certify that this aircraft engine has been inspected in accordance with a 100 hour annual inspection and was found to be in an airworthy condition.</p>											
										John A. Fisher #1678737	
7-20-01	Jach		5	24					#2727, SMOH 1084 Compression: #1 54/80, #2 67/80, #3 55/80, #4 71/80, #5 75/80, #6 115/115 Changed oil 19/50 Shell & filter; Replenished tank candle magnet; installed missing injector rubber chafe tube around injector lines of #3 & #5 Installed #6 CHT probe, new.		
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
<p>I certify that this aircraft/engine has been inspected in accordance with a 100 hour/annual inspection and was found to be in an airworthy condition.</p>											
										John A. Fisher #1878737 IA	
9-13-02			5	0			5	0	<p>Jack #2764 SMOH1121 Compression: #1 55/80 #2 54/80 #3 53/80 #4 70/80 #5 60/80 #5 52/80. Installed new sparkplugs, Changed oil 15/50. Replaced filter. Installed one new Jannis heater in #4 cylinder.</p>		
<p>I certify that this aircraft/engine has been inspected in accordance with a 100 hour/annual inspection and was found to be in an airworthy condition.</p>											
										John A. Fisher #1878737 IA	
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

L2

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
8-8-03	<p style="text-align: center;">TOTAL TIME 2840.0, SMOH 1197.6, TACH 5286.4</p> <p style="text-align: center;">COMPRESSION #1 64/80 * 2 58/80 * 3 62/80 * 4 73/80 * 5 64/80 * 6 62/80</p> <p style="text-align: center;">CHEMICALLY CLEAN FUEL INJECTION NOZZLES, REMOVE WINTER FRONT BAFFLE. CHECK + ADJUST UNMETERED FUEL PRESSURE, IDLE SPEED & MIXTURE PER TEM SID 97-3. OIL CHANGED, FILTER OUT OPEN, SERVICED WITH 15W50 SHELL. REPLACE MISSING TEM THROTTLE BODY ARM SPRING. REMOVE ALTERNATOR FOR BEARING & BRUSH INSPECTION, INSTALLED WITH NEW BASKET. SEE 100 HOUR INSPECTION FORM THIS DATE FOR MORE DETAILS ON THIS INSPECTION.</p>										
<p>I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY UNAIRWORTHY CONDITION.</p>											
<p><i>Richard Pedersen</i> A081942010IA</p>											
BROUGHT FORWARD											
TOTALS											

DA
9-1.

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER					
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.								
9-12-04	TOTAL TIME		2863.6		TACH 5810.0		SMOH 1221.2									
	Compression		#1 58/80		#2 50/80		#3 62/80		#4 73/80		#5 74/80		#6 70/80		MASTER	
	ORIFICE		READING		39 LBS.		OIL CHANGED		15W50 SHELL ADDED		REPLACE #1 AND #3		ROCKER COVER GASKETS.		AD 04-08-10	ECI CYLINDERS - P, A, A. - HAS
	TCM		CYLS.		SEE 100 HOUR INSPECTION		FORM THIS DATE		FOR MORE DETAILS		ABOUT THIS INSPECTION.					
<p>I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR (ANNUAL) INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY UNAIRWORTHY CONDITION.</p>																
<p><i>Richard R. Pedersen AAB 1942010-FA</i></p>																
BROUGHT FORWARD																
TOTALS																

ENGINE LOG

OR INSTEAD OF THE...
 WARRANTY...
 DATE

R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER					
GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.								
10-05-05		TOTAL TIME		2898.5		SMOH 1256.1		TACH 5844.9							
		COMPRESSION		#1 56/80		#2 52/80		#3 64/80		#4 72/80		#5 62/80		#6 66/80	
MASTER ORIFICE READING 32 LBS. OIL & FILTER CHANGED, SHALL 15W50 CH48109-1. FILTER CUT OPEN FOR INSPECTION. REPLACED BRACKET AIR FILTER ELEMENT. CHEMICALLY CLEAN FUEL INJECTION NOZZLES. REPLACED OIL QUICK DRAIN VALVE WITH SAFAIR S6250 VALVE. REPLACE BOTH SLICK MAGS AND HARNESS + IMPULSE COUPLINGS WITH SLICK KIT K-6320-32. LH MAG 6310, S/N 05060501. RH MAG 6310, S/N 05060499. HARNESS P/N M2381, DATED 6-8-05. MAGS DATED 6-7-05. REPLACED #1 & #6 PET PROBES, P/N P-110. SEE 100 HOUR INSPECTION FORM THIS DATE FOR MORE DETAILS ABOUT THIS INSPECTION.															
BROUGHT FORWARD															
TOTALS															

I CERTIFY THAT THIS AIRCRAFT ENGINE
 HAS BEEN INSPECTED IN ACCORDANCE WITH
 A 100 HR (ANNUAL) INSPECTION AND WAS
 DETERMINED TO BE IN AIRWORTHY
 UNAIRWORTHY CONDITION.

Richard H. Pedersen A-1942010 IA

DA
10

ENGINE LOG

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.			
10-26			TOTAL TIME 2901.4				SIMOH 1259.0 TACH 5847.8				
	Compression # 160/80 + 253/80 + 344/80 + 472/80 + 569/80 + 666/80. MASTER ORIFICE Reading 45 LBS. Chemically clean fuel injection nozzles. Replace bracket air filter element. See 100 hour inspection form this date for more details on this inspection.										
<p>I CERTIFY THAT THIS AIRCRAFT ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR (ANNUAL) INSPECTION AND WAS DETERMINED TO BE IN (AIRWORTHY) UNAIRWORTHY CONDITION.</p>											
<p><i>Richard H. Pedersen A+B PA420107A PEDERSEN AIRCRAFT, INC TROY, WI</i></p>											
BROUGHT FORWARD											
TOTALS											

ENGINE LOG

16

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS - ADJUSTMENTS	SIGNATURE	LICENSE NUMBER	DATE
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.				
7-11-08	TOTAL ENGINE TIME		2903.6						SMOOTH 1261.2 TACH 5850.0			
	Compression		#1 62/80	#2 54/80	#3 56/80	#4 74/80	#5 68/80	#6 66/80	MASTER CRIFICE READING 46 LBS. BORESCOPE ALL 6 CYLINDERS. NO SCORING, MINOR PITTING IN SEVERAL CYLS, NORMAL VALVE & PISTON COLORING. REPLACE BREATHER RUBBER HOSE BY DIPSTICK HOUSING DUE TO AGE & A KINK IN THE HOSE.			
	AD 97-26-17		TCM CRANKSHAFT IS TO BE REPLACED WITH VAR SHAFT AT 1ST CRANK REMOVAL. SEE 100 HOUR INSPECTION FORM THIS DATE FOR MORE DETAILS ON THIS INSPECTION. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIR WORTHY CONDITION.									
	PETERSEN AIRCRAFT, INC		Richard D. Petersen		A + P 1942010 IA							
BROUGHT FORWARD												
TOTALS												

BRC

John A. Fisher #1478737

7-11-00

✓ 97-26-17 TCM crankshaft - replace arm melt that overhaul

✓ 99-19-01 TCM Crank cheeks cracks ab by date

✓ 98-23-01 Airborne pump assemblies - ab by date

✓ 2000-09-51 TCM crankshafts N/A date mfg.

7-00-01 2000-23-8 TCM crankshafts N/A date mfg. superceded

8-7-03 01-08-08 TURBO TAIL PIPE CLAMP - D.P.A. - NOT TURBOD Richard H Pedersen A-1942010

9-12-04 04-08-10 ECI CYLINDERS - D.P.A. - HAS TCM CYLS INSTALLED. Richard Pedersen A-1942010

10-26-06 05-12-06 TCM Impulse Couplings - D.P.A. TO THIS MAKE/MODEL ENGINE. Richard Pedersen A-1942010

IO-580 BA

MEMORANDUM

John C. Yabor
A&P # 1979737

H95 ser. # 200055-70B

DATE

- 93-10-02 TCM Endplate retainers - ab
- 93-16-15 TCM fuel pump drive shaft on ^{old unit on both sides} follow up
- 94-26-02 Paperless filter N/A installed
- 74-48-09 Shock impulse coupling - ab.
- 80-06-09 Shock impulse coupling - ab.
- 81-16-05 Shock cracked coils N/A ser. #
- 94-14-12 TCM detonation N/A
- 95-03-02 Bracket air filter N/A model
- 95-21-15 TCM Detonation N/A
- 96-09-06 Bracket air filter N/A
- 94-05-09 A1 cylinder base. N/A model #
- 95-01-04 Performance roller rockers. N/A installed
- 95-17-11 Balance crankshaft - ab.
- 99-09-17 TCM crankshafts N/A late mfg
- superseded by 99-19-01

IO-520 BA
ser # 200099-70 B

MEMORANDUM

Jana Haber
DATE 11/16/97

- 5-11-95 70-14-07 TEM fuel bypass needle N/A model #
- ↓ 72-24-03 TEM oil filter adapter N/A model #
- ↓ 77-05-04 TEM crankshaft pulser N/A model #
- ↓ 77-13-22 TEM Cracking Case N/A heavy case
- ↓ 79-05-09 TEM oil pump relief screw - sh.
- ↓ 80-01-04 TEM cylinder - sh.
- 12-28-84 81-24-06 TEM engine fuel pump & IW
- ↓ 86-13-04 R3 TEM cylinder - sh.
- ↓ 87-14-02 TEM starter shaft gear pulser N/A
- ↓ ~~87-23-04~~ ^{superseded 97-24-17} TEM crankshaft pulser ~~subtraction~~
- ↓ 88-03-06 TEM oil filter N/A installed
- ↓ 88-17-03 TEM starter adapter N/A installed
- ↓ 91-19-03 Oil filter N/A installed
- ↓ 93-04-17 TEM oil pump - N/A

ENGINE LOG

48

DATE	R. P. M.		TIME ON GROUND		TIME IN AIR		TOTAL TIME		REPAIRS — AD
	GROUND	AIR	HRS.	MIN.	HRS.	MIN.	HRS.	MIN.	



Flying Cloud Airport
952.941.1212
Crystal Airport
763.533.4162

Date: 12/04/2020
N-Number: N5633S
Eng. M/N: IO-520-BA
Eng. S/N: 200655-70B

Tach: 5855.43
A/C TSN: 5855.43
Eng TSN: 2908.9
Eng TSO: 1266.5

C/W an annual inspection IAW Beech Service MM. AD's checked and are up to date. Drained engine oil. Removed and inspected engine oil filter. No defects noted. Installed new engine oil filter P/N AA48109. Serviced engine with (11) qts Aeroshell 15W-50. Removed, cleaned, gapped, inspected and tested spark plugs. Rotated and reinstalled plugs with new gaskets P/N UM674. Removed, inspected and reinstalled engine air filter. Inspected engine exhaust. Adjusted and tightened RH exhaust muffler shock bracket. Engine compressions: #1) 62/80 #2) 50/80 #3) 64/80 #4) 56/80 #5) 70/80 #6) 68/80. Master orifice reading 43lbs. Borescoped engine, observed normal wear consistent with the engine TSO. Checked and adjusted mag timing. Ran engine. Op's check and leak check satisfactory.

I certify that this aircraft engine has been inspected IAW an Annual inspection and was determined to be in airworthy condition.

David Posten A&P/IA 3372987