

THE **adlog**<sup>TM</sup> AIRCRAFT  
MAINTENANCE  
RECORDKEEPING  
SYSTEM

**ENGINE  
MAINTENANCE  
RECORDS**

②

6-17-02 →

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
<b>TOTALS</b> brought forward from previous page				
wo: 23-1347 Engine page 1 of 1				
Wingnuts Aviation, LLC - Mailing Address, 197 Bagwell Road, Clarksville, TN 37043 - Facility Address, 4428 Airport Road, Springfield, TN 37172 - 615-384-3200				
<b>N5322E Continental, IO-470-N, S/N: 8784-70-C-R October 24, 2023</b> TACH: 4138.9 ETT: 6419.5 ESMOH: 108.2				
1. Cleaned and reinstalled fuel injectors. Torqued injectors and lines to specs. 2. Replaced oil pressure line and 90 fitting from engine to firewall. Engine run up completed, all systems satisfactory.				
David Bliss AP / IA 3456094 <i>David Bliss</i>				
wo: 23-1347 Airframe page 1 of 1				
Wingnuts Aviation, LLC - Mailing Address, 197 Bagwell Road, Clarksville, TN 37043 - Facility Address, 4428 Airport Road, Springfield, TN 37172 - 615-384-3200				
<b>N5322E Beech, K35, S/N: D-5806 October 24, 2023</b> TACH: 4138.9 AFTT: 4138.9				
Replaced oil pressure line from firewall to engine. Functions check satisfactory.				
David Bliss AP / IA 3456094 <i>David Bliss</i>				
8/9/24	TACH 4178.3	REPLACED ALTERNATOR MOUNT AND BOLT. INSTALLED HELICOIL IN STARTER ADAPTER. GROUND RUN, CHECKS GOOD. <i>Chris Ferraraccio 2792477</i>		
Wingnuts Aviation, LLC - Mailing Address, 197 Bagwell Road, Clarksville, TN 37043 - Facility Address, 4428 Airport Road, Springfield, TN 37172 - 615-384-3200				
<b>N5322E Continental, IO-470-N, S/N: 8784-70-C-R September 19, 2024</b> TACH: 4184.0 ETT: 6464.6 ESMOH: 153.3				
1. Complied with an Annual Inspection in accordance with our Checklist encompassing the scope and detail of 14CFR (FAR) 43 appendix D with reference to Beechcraft Maintenance Manual and all applicable ICA's. 2. Compression test results over 80 PSI 1: 45, 2) 57, 3) 51, 4) 51, 5) 51, 6) 65. 3. Removed, cleaned, gapped, tested, and rotated and reinstalled spark plugs. Installed (12) P/N M674 - Gasket, Spark Plug. 4. Drained oil, removed and inspected filter: no metal found. Installed new filter and serviced engine with 10 quarts Aeroshell W100 oil. Installed P/N AA48109 - Filter: Oil. 5. Researched AD's through bi-weekly 2024-17 and found to be in compliance.				
I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition.				
Chris Ferraraccio AP IA 2792477 <i>Chris Ferraraccio</i>				

**TOTALS**—Carry forward to next page

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<b>TOTALS</b> brought forward from previous page				
28 JUN 25	6519.7	153.3	4184.0	DRAINED OIL, REMOVED AND INSPECTED FILTER, INSTALLED NEW FILTER AND SERVICED WITH 10 QUARTS OF AEROSHELL W100. OIL FILTER PN: AA48109 <i>D.A. Ferraraccio PP cert # 3801518</i>
wo 25-1267 Airframe page 1 of 1				
Wingnuts Aviation, LLC - Mailing Address, 197 Bagwell Road, Clarksville, TN 37043 - Facility Address, 4428 Airport Road, Springfield, TN 37172 - 615-384-3200				
<b>N5322E Beech, K35, S/N: D-5806 October 03, 2025</b> TACH: 4277.0 AFTT: 4277.0				
1. Complied with an Annual Inspection in accordance with our Checklist encompassing the scope and detail of 14CFR (FAR) 43 appendix D with reference to Beechcraft Maintenance Manual and all applicable ICA's. 2. Tested F.I.T IAW FAR 91.207(d). Battery expires Aug. 2027. 3. Researched AD's through bi-weekly 2025-19 and found to be in compliance. 4. Complied with AD 07-06-08 Uplock Rollers IAW section (4) paragraph (i). Next due 12 months or 100 hours. 5. Complied with AD 76-07-12 Ignition Switches by operational inspection IAW steps (a)(b)(c). Next due 12 months or 100 hours. 6. Complied with AD 80-05-02 Magnesium Filings IAW paragraphs (a)(b). Next due 12 months or 100 hours. 7. Complied with AD 94-20-04 R2 V-tail Inspection IAW paragraph (d)(3). Next due 12 months or 100 hours. I certify that this Aircraft has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Functions check satisfactory.				
Chris Ferraraccio AP / IA 2792477 <i>Chris Ferraraccio</i>				
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js page				
<p>Date: 03/01/20 N3036C Make: CONTINENTAL IO-470-N                      Vin:878884-70-C-R TACH:1379 TSMOH: 0.0hrs</p> <p>This engine was disassembled, cleaned, inspected and reassembled with necessary new parts in accordance with major overhaul as per the manufacturer's current overhaul manual x30624a. Servicable tolerances and clearances were maintained throughout. A detailed parts list is as follows. Fuel pump, fuel manifold was overhauled by G&amp;N aircraft on wro 17767 All applicable airworthy directives have been checked for compliance at this date. This aircraft engine was inspected in accordance with current regulations of the FAA. Ronald Herald ap 3587880</p> <p style="text-align: right;"><i>Ronald Herald</i></p>				
<p>SA646550 A1 GSKT SET 12 SA542917-1 HOSE 6 SA628488 LIFTER 6 SA646277 LIFTER                      12 SA630826 ROD BRG .010 1 SA646593A-10 MAIN BRG 12 SA520129 BUSHING 6 SA530658 BUSH.                      SA543626 CTR. WT. BUSH. 16 SA350998 BUSH. 16 SA643629 PLATE 16 SA629104 RING                      12 SA629340 ROD BOLT 12 SA628109 ROD NUT 12 MS24665 COTTER 4 SA631088 CAM BOLT                      6 SA535379 CRANK BOLT 2 SA35756 KEY 4 SA638172 MAG BUSH 6 SA629117 ROTATOR                      24 SA28402 VLV KEEPER 6 SA654442 VLV SPRG. 6 SA654441 VLV SPRG 6 SA630046 PIN                      6 SA5000-SC5 RING SET 12 SA652984 SHAFT 12 MS90725 BOLT 24 SA653188 WASHER                      36 SA531001 HOLD DOWN 12 SA634505 HLD DWN 1 GOVERNOR HSG. 1 CAMSHAFT                      1 654085 CAM GEAR 1 CH48109 FILTER 12 SHELL W100 6 REM 32 PLUGS</p>				
03/27/20	6380 <sup>TT</sup>	22 SMOH	1401	<p>Drained CRANKCASE AND changed oil                      And oil filter with 9 qts of                      Aeroshell 100 and Tempest 48109 filter                      cut filter open - no metal found                      Larry Smjickin owner pilot</p>
<p>Date: 04/12/21 N3036C Make: CONTINENTAL IO-470-N                      Vin:878884-70-C-R TACH: 1448.0 TSMOH: 69.2</p> <p>Perform annual /100 hr inspection on engine using the Continental service manual Perform compression test per continental SB03-3 and all cylinders passed. check and lube all joints and linkage Drain oil ,removed oil filter cut open to inspect for metal.(none noted) Install tempest ch48109 oil filter and filled engine with Phillips Victory AW100. Removed oil filter adaptor and replaced with Airwolf part no. AFC-K008-C. Checked timing and set to 22 deg. Check and gapped sparkplugs. I certify that this engine has been inspected IAW an annual and is in airorthy condition at this time</p> <p style="text-align: right;">Ronald Herald APJA 3587880 <i>Ronald Herald</i></p>				
TOTALS—Carry forward to next page				

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2-31-21	1480 <sup>TT</sup>	101.2 <sup>S.MOH</sup>		<p>Drained Crankcase and changed oil                      and oil filter with 9 qts of Phillips                      Victory AW100 oil and Tempest 48108                      filter - cut filter open -no metal found                      Larry Smjickin owner pilot</p>
Engine page 1 of 1				
Wingnuts Aviation LLC Mailing Address: 197 Bagwell Road, Clarksville, TN 37043 Facility Address: 4428 Airport Road, Springfield, TN 37112 615-364-3200				
N5322E TACH 4138.9		Continental, IO-470-C, S/N: 72338-0-C FTT 6419.5		August 15, 2023
<ol style="list-style-type: none"> <li>Complied with an Annual Inspection in accordance with our Checklist encompassing the scope and detail of 14CFR (FAR) 43 appendix D with reference to Beech Maintenance Manual and all applicable ICA's.</li> <li>Compression test results over 80 psi. 1) 72 2) 65 3) 58, 4) 64 5) 52 6) 45.</li> <li>Drained oil, removed and inspected filter, no metal found. Installed filter and serviced engine with oil.</li> <li>Removed, cleaned, gapped, rotated spark plugs.</li> <li>Researched AD's through bi-weekly 2023-14 and found to be in compliance.</li> <li>Installed IO-470, serial number 8784-70-C-R into airframe N5322E. Installed 3) P/N RA628260 - Gas- ket Exhaust Installed (2) P/N AN931-5-9 - Grommet. Installed P/N AA48109 - Filter Oil. Installed P/N C-3317-228 - O-ring. Installed (12 qt) P/N W100 Quart - Oil Aeroshell.</li> <li>Replaced all fuel and oil hoses on engine. Installed P/N 124001-10CR-0120 - Hose. Installed P/N 124001-10CR-0094 - Hose.</li> <li>Replaced cylinder 6 with servicable.                      I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. Engine run up completed. all systems satisfactory.</li> </ol>				

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
7/01/2016				N3036C Beech 35 ser no. 5691 Tach:1191.6 Total time:6172.9 Tsmoh:1070.9 Performed annual inspection on engine checked and lubed all cables and joints, replaced all spark plugs with tempest urhb32e, replaced air filter with bracket ba7210, checked compression 1(68/80 2(70/80 3(66/80 4(76/80 5(66/80 6(72/80, checked mag timing set at 20deg, visually inspected all hoses and connections. I certify that this engine was inspected IAW an annual and is in airworthy condition at this time. Ronald Herald ap3587880ia <i>Ronald Herald</i>
12-1-16				Installed new Concord RG35A battery <i>Larry Surjkin owner</i>
2-24-17	TACH 1240 hr	TOTAL TIME 6231.3	1119.3 hr SMOH	Drained crankcase and changed oil filter with CH 48109 champion filter, Refilled with 10 qts Aeroshell 100 plus oil <i>Larry Surjkin owner pilot</i>
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				TOTALS brought forward from previous page
09/9/2017				N3036C CONT. IO470-N SER NO. 87884-70CR TACH: 1275 SMOH:1154.3 TT 6256.3 Performed annual inspection on engine using continental manual as a guideline iaw far43 appendix d. 1. compression test as follows 1/70 2/70 3/66 4/68 5/70 6/70 2. change oil and filter with 8 qts aeroshell 15/50 . 3. clean plugs and check timing to 20deg. 4. lube all controls and lincage . 5. check condition of all hoses and lines. 6. check exhaust system for cracks found airworthy. 7. clean engine test run check for leaks and return to service. 8. no pertinent ads are due at this time. Ronald Herald apia 3587880 <i>Ronald Herald</i>
3-18-18	TACH - 1312	Total Time 6303.3	TSMOH 1191.4 1201.0	Drained CRANKcase and changed oil filter with 48109 <del>Tempest</del> Temest oil filter + refilled with 10 qts Aeroshell 100 plus <i>Larry Surjkin owner pilot</i>
Date:11/01/18 N3036C Make: CONT. Model: IO470N Vin: 87884-70CR TTE:6326 SMOH:1224.3				
Performed annual inspection on engine using the cont.service manual as a guideline. Checked compression IAW CONTINENTAL SB03-3. all passed. .Drained engine oil and replaced oil filter with ch48109 and 10 qts aeroshell aw100. Checked all hoses,rod ends,cables,and lincage cleaned and gapped spark plugs and checked magneto timing to factory spec.20 deg. I certify that this engine has been inspected IAW an annual per far 43 appendix d.				
Ronald Herald APIA 3587880 Signed <i>Ronald Herald</i>				

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK	
				TOTALS brought forward from previous page	
Hangar 6, Incorporated 9645 North Shore Drive Hillsboro, OH 45133 (937) 840-0624 Repair Station Certificate No. C6NR592J					
Make	Model	Registration Mark	Serial No.	Completion Date	
Continental	IO-470-CCN	N3036C	87884-70-C-R	02-02-09	
THIS ENGINE WAS INSPECTED IN ACCORDANCE WITH AN ANNUAL INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION AT THIS TIME. PERTINENT DETAILS OF THIS INSPECTION ARE ON FILE AT THE REPAIR STATION UNDER THE REFERENCED WORK ORDER NO. Changed Oil and Oil Filter (Aeroshell 15W50 and CH48109) Replaced Air Filter (BA7112) Cleaned and Checked Spark Plugs Magnetos and Cylinder A.D.'s & S.B. Do Not Apply by Date Compressions: 1) 77, 2) 75 3) 77 4) 76 5) 69. 6) 74 Gauge 66.8					
Work Order No.	TSO	Tach Time	Total Time	Date	Completed By
H6-1578	440.1	560.20	5541.5	02-02-09	<i>[Signature]</i>
5/28/09	5591.6	490.2	610.37	Drained oil - Replaced with 10 quarts of phillips 20W 50 x/c - Replaced oil filter with Champion CH-48109-1	
10/3/09		647.0	Drained oil - changed oil filter with CH-48109-1 and refilled with 10 QTS of Phillips 20W-50 XC oil		

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				TOTALS brought forward from previous page
03-18-10	686.78	Tach Time	5668.08	Total Time 566.68 S.M.O.H. Drained crankcase + changed filter champion CH48109 Refilled with 10 QTS Phillips 20W50 x/c - Compression check O.K. #1 77/80 #2 74/80 #3 74/80 #4 75/80 #5 67/80 #6 72/80 - Repaired + adjust alternator mounting brackets - Cleaned spark plugs - Date 03-18-10 Total Aircraft Time 5668.08 I certify that this engine has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition. Signature Jimmy R McLean A&P No. 406505403IA
9/23/10	735.31	Tach Time	Drained oil + changed filter Placed 10 QTS Phillips 20W50XC - Replaced filter with CH48109-1 Julius Cooper	
05-01-11	786.45	Tach Time	5767.75	Total Time 666.35 S.M.O.H. Drained crankcase + changed filter - champion CH48-109 Refilled with 10 QTS 20W50 Phillips x/c - Compression check O.K. #1 77/80 #2 75/80 #3 76/80 #4 74/80 #5 70/80 #6 71/80 Cleaned + gapped spark plugs - Date 05-01-11 Total Aircraft Time 5767.75 I certify that this engine has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition. Signature Jimmy R McLean A&P No. 406505403IA
10/23/11	853.0	Tach Time	Drained crankcase + changed filter Champion CH48109 Refilled with 10 QTS 20W-50 Phillips XC - Larry Sunkin	

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		68.47	188.63	TOTALS brought forward from previous page
2/17/03		91.34	211.5	Changed oil and replaced filter, serviced with shell 15W50, run-up checks normal. <i>KM Donnelly, owner/pilot #36360377</i>
3/29/03				
5/30/03		116.72	226.88	REMOVED OIL & FILTER, CHECKED ADAPTER FOR TORQUE. INSTALLED NEW FILTER (CH 48108) & SERVICED PUMP WITH 10QT AEROSHELL 15W50 OIL. LEAK CHECK NO LEAKS NOTED. <i>KM Donnelly, owner/pilot #36360377</i>
8/08/03		153.84	264.0	
11/9/03		179.04	289.2	REMOVED OIL & FILTER, checked adapter for torque. Installed new filter (CH 48108) & serviced pump with 10qt Aeroshell 15W50 oil. Leaks checked, no leaks noted. <i>KM Donnelly, owner/pilot #36360377</i>

Date: 2/11/04 TACH: 19.7 TSMOH: 197.74

Compression: #1 71/80 #2 72/80 #3 67/80 #4 67/80 #5 69/80 #6 69/80.

I certify that this engine has been inspected IAW an 100HR inspection and found to be in airworthy condition. Changed oil and filter using Aeroshell 15W50 and CH48108 filter. Cleaned, gapped and rotated spark plugs. Inspected exhaust. Inspected intake. Inspected and lubricated engine controls.

*William W. Groves*  
William W. Groves

A&P2777153

Date 2/11/04 TACH: 19.7 TSMOH: 197.74

I certify that this engine was inspected IAW an annual inspection and in airworthy condition.

*Ronald L. Gatewood*  
Signed: Ronald L. Gatewood

A&P308869368IA

4/26/04	5331.31	230.54	349.94	Removal oil and filter, checked adapter for torque. Installed new filter (CH 48108) & serviced pump with 10qt Phillips 20W-50 oil. Leaks checked, no leaks noted. <i>KM Donnelly, owner/pilot #36360377</i>
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Date: 9/14/04 TACH: 379.78 TSMOH: 260.38

Compression: #1 71/80 #2 72/80 #3 75/80 #4 72/80 #5 72/80 #6 72/80

Changed oil and filter using 11QTS Aeroshell 15W50 and CH48109. Inspected exhaust and induction. Inspected fuel and oil lines. Inspected air, oil and gascolator filters. Inspected engine controls for rigging and travel. Cleaned gapped and rotated spark plugs. Checked idle and mixture.

I certify that this engine was inspected IAW an annual inspection and found to be in airworthy condition.

*Ronald L. Gatewood*  
Signed: Ronald L. Gatewood

A&P308869368IA

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
5/27/05		290.5	414.10	Removed Oil + Filter, checked adapter for torque. Installed new oil filter (CH 48108) & serviced pump with 10qt Aeroshell 15W50. Engine ops checked OK, no leaks noted. <i>KM Donnelly, owner/pilot #36360377</i>

**Phil's Cylinder Service engine**

DATE: 9-26-2006

MODEL: IO-470-C  
SERIAL NO.: 87884-70-C-R  
T.S.N.: T.S.O: 350.72

1. Disassembled engine inspected all steel parts IAW spec E1444-94a
  2. Inspected all non ferrous parts IAW spec E1417-95a
  3. Inspected crankshaft IAW MSB 96-10
  4. C/W AD'S 98-17-11, 98-01-08, 96-12-04, 93-08-17
  5. Replaced all rod bearings, cw pins and plates.
  6. Reassembled engine with new gaskets and seals
- The maintenance identified above has been inspected in accordance with FAA regulations and is approved for return to service.

SIGNATURE: *Phillip Scadden* IA A&P 400062798 PHILLIP SCADDEN

Date: 10-11-2006 N3036C S/N D-5691 Tach: 440.0 hrs. TTA: ~~5424.37~~ 5421.3 hrs.  
Continental IO-470C(C)N S/N 87884-70-C-R TSMOH: 350.72 hrs.  
Installed engine after TDI by Phil's Cylinder Service. Set unmetered fuel pressure, idle speed and mixture as per TCM SID97-3. Filled engine with 10 qts AeroShell W80 oil. Checked magneto timing. Cleaned, gapped, tested, inspected and reinstalled spark plugs. Checked operation of engine controls and rigging. I certify that this engine was IAW an Annual Inspection and is in an airworthy condition.

*Clayton W. Farm*  
A&P 40272259 I.A.

5-7-07	403.72	493.72		Changed oil + filter using 10 qts Phillips 20W-50 XC oil and CH 48109 filter ops checked OK
				SUB-TOTALS this page
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*Clayton W. Farm*  
owner

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
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# POWERMASTER AIRCRAFT ENGINES

9027 S. Airport Way  
Jones/Riverside Airport  
Tulsa OK 74132  
918-299-0269  
FAA CRS # P46R287Y

## Engine Major Overhaul Record

**Engine Make:** Continental

**Model:** IO-470C(C)N

**Serial Number:** 87884-70-C-R

**PAE Work Order #** 1979

**Date of Overhaul:** 6-17-2002

**Total Time:** SMOH- "0"

This entry certifies that this engine has been overhauled to manufacturers new part tolerances. This engine was disassembled, cleaned, inspected, overhauled and tested in accordance with TCM manual # X30588A. New parts count exceeds that set forth in TCM Service Bulletin 97-6, Mandatory Replacement Parts. All AD's and TCM mandatory service bulletins have been complied with. This engine model number was changed in accordance with TCM Service Instruction M75-6R1, reflecting change from IO-470C to IO470N. All necessary parts for this conversion were changed in accordance with current parts catalog, # X30589A.

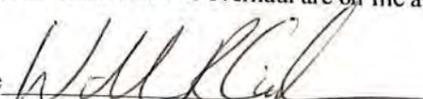
The following accessories were overhauled or new and installed on this engine at the time of overhaul:

Component	Part Number	Serial Number
LH Magneto:	6310 (New)	02031163
RH Magneto:	6310 (New)	02040823
TCM Fuel Injection Sys.	649056A10	
Fuel Pump:	646212-9A3	B02AE037R
Flow Divider:	631427A22	C02EA028R
Control Valve:	628776A5	A02EA032R
Oil Cooler:	627392	PT-805/001121-2
Starter:	ES646238-2	A122259
Alternator:	015-01237	4317

**Engine Notes:**

This engine utilizes new Superior Millennium Cylinder assemblies. (Steel Barrels)  
Existing GAMI nozzles were used and meet correct GAMI part number for this fuel system.

The engine and accessories identified above were inspected and overhauled in accordance with current Federal Aviation Regulations and were found airworthy for return to service. Details of this overhaul are on file at this repair station under Work Order # 1979.

Signature   
William R. Cunningham  
FAA CRS # P46R287Y

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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
Date: 7/3/02	TACH: 120.16	TSMOH: 0000.0		<i>5101-53ETT</i>
				Installed IO-470-C-C-N SER#87884-70-C-R work performed IAW STC SA5635SW. Engine overhauled by Powermaster Aircraft Engines. Installed new engine mounts. Installed new fuel oil lines. Installed new control cables. Installed Dialco engine baffle kit.
				Signed: <i>Dave Surles</i> A&P223747098
				Signed: <i>Ronald L. Gatewood</i> A&P308869368IA
7/24/02		122.16		Installed new battery relay OPS checks OK <i>R Gatewood A-P 308869368</i>
8/14/02		144.4	TSMOH 24.34	changed oil, installed new oil filter, serviced with 10 qts of arocshell 15W50. Run up normal <i>R Gatewood A-P 308869368</i>
7/26/02		123.0		Adjusted static RPM. Reouted mixture cable. Replaced coil fasteners. <i>R Gatewood A-P 308869368</i>
9/3/02		162.9		Re installed LH head shroud. Installed new gasket on oil neck. <i>R Gatewood A-P 308869368</i>
10/3/02		168.21		Installed new gaskets on oil filter assembly and TO to 65 ft pounds. Installed new oil filter. Engine OPS checks OK. No metals noted at thistime <i>R Gatewood A-P 308869368</i>
Date: 1/03/03	TACH: 188.63	TSMOH: 68.47		
				Compression: #1 72/80 #2 70/80 #3 72/80 #4 70/80 #5 70/80 #6 72/80
				Inspected exhaust and induction. Checked fuel and oil lines. Inspected air, oil and gascolator filters. Cleaned gapped and rotated spark plugs. Replaced air filter. Engine operationally checked good.
				I certify that this engine was inspected IAW an annual inspection and found to be in airworthy condition.
				Signed: <i>Ronald L. Gatewood</i> A&P308869368IA

# ENGINE MAINTENANCE RECORDS

Log No. \_\_\_\_\_

Aircraft Registration No. N 3036 C

Engine Manufacturer CONTINENTAL

Model IO-470-C-C-N

Serial No. 87884-70-C-R

Date installed on aircraft 7/3/02

Time Between Overhauls (TBO) \_\_\_\_\_ Hours

If used on multi-engine aircraft:

- Right       Left  
 Front       Rear



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CUSTOM AIRMOTIVE

BEECH BONANZA - J-35-1958  
SER# D5691-N-3036C

CONTINENTAL 20470C

SER# 87884-70-C-K

6/20/76

  
The Standard



ENGINE LOG

9-23-75 → 12-13-01

March 2, 2001 N3036C Tach: 12.97 TET: 4994.34 SMOH: 1194.34

DAT

19

1. Changed oil and cleaned oil screen and added 10 qts. of 80W40 Aeroshell oil.
2. Performed compression check with the following results:  
#1 69/80 #2 73/80 #3 72/80 #4 68/80 #5 70/80 #6 66/80
3. Washed engine and lubricated controls.
4. Post maintenance turn performed satisfactory with no leaks noted at this time.

Aero Services of Winchester, Inc.  
615 Airport Road Suite 107  
Winchester, VA 22601  
540-665-0193

  
Arthur L. Atwood II A&P 225629764


DAT

19

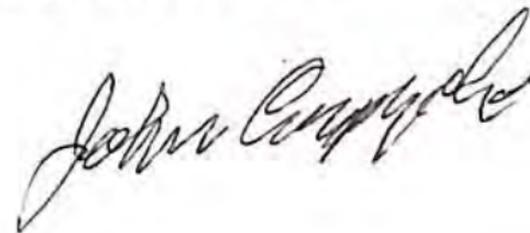
Date: 12/13/01 TACH: 94.97 TSMOH: 1276.34

Compression: #1 72/80 #2 68/80 #3 68/80 #4 68/80 #5 68/80 #6 72/80

Changed oil using 10 quarts of Aeroshell 80W and replaced oil filter with CH48110. Cleaned, gapped and rotated spark plugs. Cleaned sump screens and fuel bowl. Cleaned and inspected gasculator and fuel injector. Checked idle mixture. Installed new exhaust and new shrouds all new gaskets and hardware installed. Installed new intake hoses. Installed new air filter.

I certify that this engine was inspected IAW an annual inspection and found to be in airworthy condition.

Signed: John E. Coppock

 A&P231826330IA

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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**October 1, 2000 J-35 Beech 3036C Tach: 637.17 TET: 4962.57 SMOH: 1162.57**

- 1- Performed 100 Hour Inspection IAW approved checklist.
- 2- Performed compression check with the following results.  
#1 74/80 #2 75/80 #3 70/80 #4 66/80 #5 72/80 #6 74/80
- 3- Cleaned, gapped, rotated spark plugs and replacing 6 in upper positions. (owner provided)
- 4- Checked magneto to engine timing and adjusted as required.
- 5- Changed oil and cleaned oil screen and added 12 qts. of 80W40 oil.
- 6- Collected oil sample for analysis.
- 7- Added two cans of AvBlend.
- 8- Inspected propeller, spinner and dressed L/E of blades.
- 9- Cleaned engine and lubricated controls.
- 10- Inspected all accessories and hardware for security and serviceability.
- 11- Replaced low pressure -8 hose in engine compartment area.
- 12- Replaced low pressure - 3 hose in engine compartment area.
- 13- Installed New Bracket air filter element BA-7112.
- 14- Installed New oil cap gasket and secured chain as required.

*Continued*

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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- 15- Installed (GAMI) fuel injectors see 337 this date (owner provided).
- 16- Replaced manifold and controller flex hoses as required.
- 17- Post maintenance turn performed satisfactory with no leaks noted at this time.

Aero Services of Winchester, Inc.  
615 Airport Road Suite 107  
Winchester, VA 22602  
540-665-0193

I certify that this ENGINE has been inspected in accordance with an 100 Hour inspection and determined to be in airworthy condition.

*Thomas H. Moskal, Jr.*  
Thomas H. Moskal, Jr. A&P173428608

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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→ \* NOTE: AD 99-09-07 N/A due to crankshaft installed. Washed engine. Ground run-up found satisfactory - no leaks detected.

~~Date 10/22/99 Tach 504.7 Total Time 2994.1 W/O N/A~~

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

Signature Mich Schlesselman AIP 483766497

10/22/99 504.7 AD 99-09-17 N/A no crankshaft OVA or replacement during time period. Ref. Annual AIP 308865368

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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3-9-00 / TACH = 580.2 / Changed oil, checked screen - found normal. Serviced with Aeroshell W100, washed out cowling. Run-up found normal.  
Mich Schlesselman AIP 483766497

7/6/00 620.41 Changed oil and checked screen. Serviced engine with wigo oil. OPS checked OK  
Ref. Annual AIP 308865368

DATE	RECORDING TACH TIME	A/C TODAY'S FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9-7-98	429.8	4755.0	2909.20	SMOH 955.20 - Completed 100 Hr Insp This Date - compression check #1. 24/80 / #2. 22/80 #3. 24/80 #4. 22/80 #5 23/80 #6. 24/80 - changed oil with 90t 15-50W shell - cleaned screen - cleaned & capped spark plugs - cleaned injector nozzles & fuel screen - checked A.D's Sec separate sheet - Engine Run No Leaks - OK FOR SERVICE -  Gary D Bennett AIP 495-34-6036

7-7-98 429.8

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10-22-99	TACH → 504.7		TTE = 2984.1 / SMOH = 1030.1	Completed annual inspection this date: Compression test results are → 1 = 72/80, 2 = 69/80, 3 = 70/80, 4 = 68/80, 5 = 70/80, 6 = 68/80. Changed oil and v'd screen - no metal found, serviced with Aeroshell 15W50. Serviced spark plugs, v'd mag - to - engine timing, v'd mounts, intake, exhaust, lines, hoses, and controls. Repaired "P" lead on LH mag, replaced alternator belt and re-shined alt. pulley alignment. Lubed mixture control cable (OVER) →

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1996				
6/16	325.7			SMOH 941.1 Comp Ck satisfactory all cylinders. Changed oil w/ 10 qts Acrosnell W100. Inspected & cleaned oil screen. Cleaned & gapped spark plugs. Checked magnifying and ignition harness. Inspected exhaust system & mufflers. Checked all balling, fluid lines and fittings, electrical wiring and connections for condition and security. Engine ground run, ops normal. Lubed engine controls. I certify this engine has been inspected in accordance with an Annual Inspection and found to be in airworthy condition. Approved for return to service. James W. Gjin IA280420255

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1997				
6/21	415.98			SMOH 941.38 Comp Ck #1 72/80 #2 70/80 #3 76/80 #4 78/80 #5 72/80 #6 74/80. Chgd oil w/ 8 qts Acrosnell iSUS50, cleaned ringed pressure screen. Cleaned & gapped spark plugs. Checked magnifying and ignition harness. Inspected exh system & mufflers. Inst'd old RA stack assy (tag attached) Fabricated & inst'd new oil pressure flex hose. Checked all balling, fluid lines and fittings, electrical wiring and connections for condition and security. Washed engine and ground ran - no leaks noted, ops normal. I certify this engine has been inspected in accordance with an annual inspection and found to be in airworthy condition. Approved for return to service. James W. Gjin IA280420255

DATE 19 <u>95</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
3/12	Oil	Change		Tack Redds 379.5 - Mobil 1 - AVR 904.9 SMOH
4/21	Tack 383.5			Fuel Injection System (Throttle body / port PN 60252A-2R, Fuel Pump PN 638156-3, Manifold PN 631427-1) Overhauled by Aircraft Accessories of Ok. CR # 2913R8291 under W.O.'s MO441 and MO4125. Inspected installation on engine for conformance w/ safe & standard practices. System previously installed by other party. Found installation satisfactory w/ normal operations & no leakage. Approved for return to service. James J. Weblinger AP. 280420255

DATE 19 <u>85</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
6/1	394.3		4419.5	SMOH 919.7 Compbk #172/80 #274/80 #3128/80 #446/80 #574/80 #674/80 No oil dip but green fuelled & inspected - no metal found, cleaned & reinstalled. Cleaned & gapped spark plugs, checked ignition harness. Retimed mag. Inspected exhaust system & mufflers - no defects noted. Checked all bolting, fuel lines and fittings, electrical wiring and connections for condition and security - no defects noted. Checked eng mount legs and shock pads.
				I CERTIFY THIS AIRCRAFT/ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100-HR./ANNUAL INSPECTION AND FOUND AIRWORTHY. APPROVED FOR RETURN TO SERVICE. DATE: <u>6/1/85</u> TACH TIME: <u>394.3</u> James J. Weblinger JAMES J. WEBLINGER, IA280420255

DATE 19 <u>94</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5-17-94	364.1			Total Time = 4389.30 SMOH = 889.50 Cleaned and gaped spark plugs, cleaned fuel screens, cleaned paper air filter, checked oil screens, small non-ferrous particles noted but acceptable. Cleaned engine air-oil separator. Complied with AD78-09-07 R3 on impulse couplings by inspecting axial play in flyweights. Replaced left impulse coupling. Right impulse was found to be serviceable with .002 inch wear remaining. Complied with AD94-01-03 by replacing unserviceable coil in right magneto as specified in TCM Service Bul. #637 issued 12-92. <sup>ADN</sup> <del>ADN</del> Checked magneto internal timing and point gap. Reinstalled magnetos and timed to engine. Inspected and lubricated

- Cont -

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				engine controls. Washed engine and performed leak check - no leaks noted - performed power check, acceptable static performance noted. <del>ADN</del> <del>ADN</del> <del>ADN</del> <sup>ADN</sup> <del>this engine has been inspected</del> Compression check was performed #1) 72/80 #2) 74/80 #3) 70/80 #4) 65/80 #5) 68/80 #6) 74/80 no valve leakage noted. I certify that this engine has been inspected in accordance with a 100% inspection per Beechcraft & TCM Service manuals and FAR 43 APP. D and is approved for return to service. Dana Rayer AD194941570
5-17-94				I CERTIFY THIS POWERPLANT HAS BEEN INSPECTED IN ACCORDANCE WITH FAR 43 APP. D AND FOUND AIRWORTHY LPH 1A 574243852



TACH-319.4

844.8 SMOH 9/24/93

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1-5-93	TACH = 305.67		Total Time = 4330.87	SMOH = 831.07
	I certify that this <u>Engine</u> has been			
	INSPT. in accordance with an/a <u>ANNUAL</u>			
	INSPT and was determined to be in			
	compliance with F.A.R. 43 <u>App D</u> and			
	approved for return to service			
	<u>Garrel H. Rogers</u>			
	<u>TASCO-40-9220</u>			



2720 AIRPORT BLVD.  
WATERLOO, IOWA 50703  
(319) 236-2322

26 April, 1993 Tach reads 319.4 hrs. Removed all cylinders for inspection & rework due to high oil consumption. All cylinders were repaired by welding by Tulsa Aircraft Cylinder, Inc.- Tulsa, OK. All cylinders were "nu-chromed" (ceramic) by Aircraft Cylinders of America, Inc.- Tulsa, OK. New parts were installed as needed in all cylinders by Custom Airmotive, Inc.- Tulsa, OK. Refaced all valves, lapped & fitted valves to valve seats, fitted new piston rings per Service Bulletin M88-11. Cylinders modified per Service Bulletin M92-6, improved rocker shaft retention, Complied with Service Bulletin M92-9 by installing new thru-bolt nuts and increased torque to 810 in. lbs. Removed all connecting rods, cleaned & inspected, reinstalled using new connecting rod bearings. The following new parts installed at this time: (12) SA530383M10 rod bearings, (12) MS90725-12 bolts, (12) SA652984 rocker shafts, (12) 652541 nuts, (24) 639573 thrust washers, (6) 646985 intake valve seals, (6) SA539467 piston pins, (1) SA4701-A8 ring set, (6) SA470-T2 gasket sets. Serviced engine with Phillips 20W50 all mineral oil, cleaned engine & compartment, ground run-up checked OK. Patrick Morse AP483848489

*Patrick Morse*

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
7-3-92	297.5			starter bearings and brushes. Complied with A.D. 84-26-02 by insp. (Paper induction filter). Lubed all linkages. Run up checks good.
				I certify this <u>ENGINE</u> has been inspected in accordance with an <u>annual</u> inspection and was determined to be in an airworthy condition. Date <u>7-3-92</u> Signed: <u>R. Arnold 1837114 I. A.</u>
				TACH RDS - 297.5 NOTE - 7/3/92 - ENGINE SMOH - 822.9 PROP SOH - 678.9

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1-5-93	305.67		831.07 SMOH	INSTALLED FUEL Transducer in fuel supply line and installed C.H.T and E.C.T. Sensors on all cylinders per M.P.I STC instructions. Casan Rogers AP44941570
1-5-93	305.67		831.07 SMOH	Performed compression check on warm cylinders and found #1 <sup>70</sup> / <sub>80</sub> , #2 <sup>70</sup> / <sub>80</sub> , #3 <sup>70</sup> / <sub>80</sub> , #4 <sup>72</sup> / <sub>80</sub> , #5 <sup>74</sup> / <sub>80</sub> , #6 <sup>77</sup> / <sub>80</sub> Lubed engine controls and cleaned fuel screens. Performed 100 hr inspection per manufacturers instructions and F.I.A.R. 43 APP. D. Casan Rogers AP44941570

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	270.0		795.4	AIRCRAFT purchased from Dan FOTYLL AIRCRAFT SALES - HOT SPRINGS ARK. - OLD Removed TACH - 4325.40 ENGINE INSTALLED - 3800.00 525.40 NEW TACH TIME - 270.00 ENGINE TIME Now - 795.40 SMOTH
				NEW OWNER: William R. HARRIS PO BOX 735 Cainesville, MO 65656 JAN 29, 1992

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				TACH Reads 3944 - TACH Removed 4325.40 Prop overhaul - 5/19/78 - Prop o/h - 3944.00 381.40 Ser # 7-1692 Model 278-100-7 TACH RAs 1/31/92 270.00 Time since Prop o/h - 1/31/92 - 651.40
6/10/92				Change engine oil - Mobil 1 - MV - 9 qts - TACH Reads - 290.0 (WCH)
7-3-92	297.5		822.9	Changed oil, cleaned screen Compression ck: #1 70/80 #2 72/80 #3 75/80 #4 78/80 #5 75/80 #6 73/80. Replaced over

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
July 22, 1991				Annual inspection completed this date. Cleared gascol, tested spark plugs. Replaced one spark plug RHM. 402E #1 col. lower. Tested ign. leads. Checked magos and timed to engine. Checked gov. and started. Washed down engine and cowling. W/ AD 34-26-02 by inspection of paper induction air filter, replace at tach = 730.64. Checked oil AD thru 91-144. See AD list in back of Aircraft log book. Name: [Signature] on [Signature]
#1	80/72	#14	80/72	
#2	80/72	#15	80/72	
#3	80/74	#16	80/74	
				Next page

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				Engine has been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. SMOH = 788.93 Tach = 263.97 TOTAL TIME: 4288.97 Hrs.
July 22, 91				Name: [Signature] A&P/IA #408247
JAN. 10, 1992	TACH: 269:77			DRAINED OIL & INSPECTED & CLEANED OIL SCREEN SERVICED WITH 10QTS AEROSHELL 40N. GROUND RUN & LEAK CHECK, CHECK GOOD AT THIS TIME. Name: [Signature] A&P 431275916

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 90				
<p>Sept 7, 1990 Annual inspection completed this date. Changed oil, Peroshell 100W. Cleaned oil screen. Cleaned, gapped and tested spark plugs. Tested ign. leads. Checked magnos and timed to engine. Checked generator and started. Replaced left exhaust stack with reman PN 3595004-BR. On AD 84-26-02 By replacing paper induction air filter with new, was each work replaced of tach = 730:64. Checked all AD's they 90 46 in AD list in aircraft log book. Verify that this Engine had been inspected in accordance with a <u>Annual</u> inspection and was determined to be in airworthy condition. \$MOM = 756.2 Tach = 230:64.</p>				
#1	80 75	#4	80 72	
#2	80 72	#5	80 75	
#3	80 75	#6	80 75	

9/7/90 TOTAL TIME: 4256:04  
 Edward Metzger A&P/IA 1408247

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
19 91				
<p>Feb. 4, 1991 Tach = 244:87 - changed oil, cleaned oil screen, filled with Peroshell 40W oil, replaced oil seal in tach drive adaptor. wash down engine &amp; cowling        Edward Metzger A&amp;P 269228661</p>				
<p>May 14, 91 Tach = 250:67 Replaced gasket on oil cooler &amp; adaptor.        Edward Metzger A&amp;P 269228661</p>				

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1989 12-21-89		TACH 201.24		(CONT. FROM LAST PAGE) TTSD 726.60 10 QTS. OF AEROSHELL 50W DET. OIL REMOVED & REPLACED ALL SPARK PLUGS, INSTALLED 12-RHM 40 E NEW PLUGS. RESET OIL PRESSURE REGULATOR TO CORRECT SETTING. REMOVED OIL COOLER & ADAPTER ASSY. REMOVED BOTH FWD. CASE BOLTS. RESEALED CASE BOLTS, RE- INSTALLED & TORQUED. REINSTALLED COOLER ASSY. WITH NEW GASKETS. RUN UP & LEAK CHECKED OK AT THIS TIME. Name/No. ADP 560432678

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
1990 6-4	209.89	✓	4235.29	REMOVED AND REPLACED #1 AND #5 CYLINDER ASSYS. (WITH VALVES). INSTALLED S/N 533 AND 625859 OVERHAULED BY SENTRY CHROME. INSTALLED WITH NEW PISTON RINGS, NEW GASKETS AND INTAKE HOSES COUPLERS. INSTALLED 1ea. NEW ROCKER SHAFT P/N 539740. CHANGED ENGINE OIL. ADDED 8 QTS. AEROSHELL 100W NON-DETERGENT OIL GROUND RUN & LEAK CHECK OK AT THIS TIME Name/No. ADP 560432678 JA

DATE 1989	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9/15	190.1	715-1	SMO/H	Compression TEST show #1 cyl BAD. other cyl's OK 7A/80 lowest. Sent #1 Cyl to Bell Act for repair. Installed new piston, piston pin, ring set, rocker shafts; and gaskets needed. Installed new coil in left magneto, oil seal, condenser, distributor block & oil deflection washer new. Timed mag to engine. Wash engine & run ck for oil. Changed oil to 30w Phillips Non-Det. Cleaned screen. cleaned fuel nozzles & fuel screens. A.D.'s listed with Airframe ADs; thru 9/89 ATP.
				I certify that this <u>engine</u> has been inspected i/a/w (n) <u>annual</u> inspection and has been determined to be in airworthy condition. Sign <u>Regan W Shea</u> A & P # <u>1927020 JA</u>

DATE 1989	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
10-31-89	TACH		199.3	ATT 4024.7 Removed AND REPLACED GENERATOR ASSY. INSTALLED P/N 1101912 S/N 1422. GROUND RUN OPSS CHECKED, OK AT THIS TIME Darrel Moore ADP560432678
12-21-89	TACH		201.24	ATT 4226.64 TT50.726.60 Removed LH MAGNETO ASSY. CLEANED INSPECTED, REASSEMBLED, INSTALLED AND RETIMED. CHANGED ENGINE OIL, SERVICED WITH CONT. →



DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
86-03M				no new ones apply - end
				I certify that this <u>engine</u> has been inspected i/a/w a(n) <u>100 hr</u> inspection and has been determined to be in airworthy condition. Sign <u>Alan J. Pyncheon</u> A & P # <u>504-84-3199</u>
				I certify that this <u>engine</u> has been inspected i/a/w a(n) <u>annual</u> inspection and has been determined to be in airworthy condition. Sign <u>Donald Shoc</u> A & P # <u>1987020 J.A</u>

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
8-14-86	27.14			bus tach, 552.5 hrs T.S.M.O.H. Drained engine oil and cleaned screen, screen was clean New AV900-28 gph used on screen replacement. Installed 10 qts 50 weight detergent Aeroshell oil - end Alan J. Pyncheon A+P 504-84-3199

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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Feb 8, 1985 4 325.4 hrs tach, Changed oil and cleaned screen, Installed 9 qts Aerashell 20-30. Installed winterization bit. Installed new RT-7 AC tachometer which had .04 hrs on it. Old tach read 4325.4 hrs. — end  
 TTSO 525.36  
 Dean J. Pyncheon ATP 504-84-3199

2-14-86 16, 78 hrs tach 542.14 TSMOH Compression test performed 50  
 1) 72 2) 76 3) 76 4) 72 5) 74 6) 77. Changed oil and cleaned screen. Installed 10 qts 20-30 det. Aerashell. Cleaned throttle body, inlet screen and installed with new 626183 gbit. Removed right magneto serial # 855485 and installed power port # 10-357174 and condenser port # 10-51676

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
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and new oil with new gasket part # 534750. Reset timing of both mag's to 26° BTDC. Checked ignition leads with house test, cleaned and gapped top plugs and installed new bottom plugs - C# HSR 88. Replaced Valve-cam insert in upper half of #4 cylinder with part # 520112. Replaced starter motor with 4 part # 1881858 brush, 1 1883730 bushing and 1-18 39345 bushing, Reinstalled with new 534316 gasket. CIW AD 62-17-01 cam propped by impounding (or cranks for parallel) no liquid noted. Stop drilled misc cranks in engine baffling, checked exhaust system, and inspected engine for overall condition. Test run, checked for leaks, no defects noted. AP's checked by ATP and system to Revision



DATE 1981	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	4061			<p>Wash down engine check compression  <math>\#1 \frac{75}{80} \#2 \frac{78}{80} \#3 \frac{78}{80} \#4 \frac{79}{80} \#5 \frac{72}{80} \#6 \frac{76}{80}</math>            check mag timing change oil clean screen            check E-c system check oil control +            lubricate as needed check AD see AD            light</p> <p>I certify that this engine has been            inspected in accordance with a annual ad            was determined to be in airworthy condition            ACP 2099 2801A            Jerry E. Brumbar</p>

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June 10, 1982	tach 4096.81			<p>Changed oil - 10 qts. Shell #50W.            Donald W. Dook ACP 2169835</p>
April 15, 1983	tach 4169			<p>Chg. Changed oil and cleaned filter screen,            10 qts 50W Aeroshell. Cleaned and gapped all spark plugs.            Compression test performed <math>\#1 \frac{77}{80} \#6 \frac{74}{80} \#3 \frac{71}{80} \#2 \frac{77}{80} \#5 \frac{74}{80} \#4 \frac{75}{80}</math>. Inspected            intake and exhaust systems, cleaned main fuel screen and            throttle body inlet screen. Tightened oil temp sending unit            and checked engine controls. Magnets removed. Left Bendix            56RN-25, part # 10-79020-10 serial 531874. Right Bendix 56RN-25 part #            10-7902010 serial # 855485. Checked points, dist blocks and mag for            general condition. Replaced snap pins in each mag, part #            10-79011 and impulse coupling cam in each mag part #            10-160893</p>

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
Sept. 18, 1979			Tach 4000.32 HRS	Oil Change. Serviced with 9 Quarts Aeroshell 50 W A.D. Cleaned Screens Bernard R. Brown A&P 503641664
11, 80	tach 4022			changed Oil aeroshell 65w replaced Buffet seal on left hand side A&P 2099280 I A Jerry E Brunham

DATE 7/12 1980	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
	4040.0			Annual Inspection Wash down engine check compression all cylinders in high 70 <sup>th</sup> check mags + return both mags clean oil screen + fuel screen clean + Gap Flugs check all controls + lubricate as needed check Ex system + heat muff I certify that this engine has been inspected in accordance with a annual inspection - was determined to be in airworthy condition A&P 2099280 I A Jerry E Brunham



DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
				4-24-78 100 HR. INSPECTION COMPLETED THIS DATE. FUEL & OIL SCREENS CLEANED, SPARK PLUGS SERVICED, MAG POINTS & CONDENSERS REPLACED IN BOTH MAGS, AIR FILTER SERVICED, PROP. GREASED, OIL CHANGED WITH AEROSHELL 50 WT. AD 10 QTS., ENGINE WASHED. 3929 HRS.
				I certify that this aircraft has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in air- worthy condition.
				Maurice P. Good A & E #452342

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
5/19/78	3944	TACH		PROP OVERHAULED AS PER ATTACHED MAINTENANCE RELEASE
				Maintenance Release moved to prop log book 7-3-92 E. Bond 1837114 I.A.

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
17 May 1976			Tech 3812	
			Oil changed 40W EXON Non Detergent	
			Oil Filter checked	
				Butte Aero Sales & Service, Inc. — C.R.S. No. 3486
				Thomas J. Cuprum
Mar 3/77				Charged oil Exon Non detergent #40
			Tach Time 3827.0	oil screen checked & cleaned plugs
				checked mag timing checked <sup>engine</sup> control cables
				<del>At 12</del> changed fuel filter in mistra
				control (see next page for sign off.)

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
Mar 3/77				This <u>engine</u> inspected in accordance
				with current FARs for a <u>Annual</u> inspection/ or
				and found to be in a airworthy condition.
			170/80 372/80 573/80	
			272/80 472/80 675/80	Signed <u>J. M. Hart</u>
				W.O. BUTTE AERO SALES & SERVICE, INC.
				<u>2469</u> Certified Repair Station
				No. 3486

DATE 19 <u>75</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
9-23				Engine major overhaul completed this date in accordance with Continental overhaul manual #X30022 and applicable bulletins. Parts replaced include: 6ea chrome cylinders. All pistons & rings. 6ea exhaust valves & guides. 12ea hyd. lifter units. all con rod & rocker arm bush. all main & rod bearings. all seals, hoses, gaskets. 12ea spark plugs - 1ea ign. harness. magnetos & fuel system carburetor overhauled by Tulsa Accessories.
				Total time 1954:00 Time SMOH 00:00 FD's listed in rear this book.
				Yorman D. Suckter A&P 1343530 Custom Airmotive, Inc. P. O. BOX 51351 PH. 918-836-6836 TULSA, OKLA. 74151
				#0# <u>1093</u> Engine tested by motorizing. Not run-in at this time.

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)
20 Jun 1976				total time aircraft 3900 TTS MOH 0.0 Installed Eng TW 3036C using ALL new Eng mounts Eng serviced with 40 FLOW new Detonator oil Eng ground Run and break OK OK Y-S + Flown for 3 hrs ops OK and break OK OK
				This Eng inspected in accordance with current FARs for a <u>Annual</u> inspection of repairs and found to be in a airworthy condition.
				Signed <u>Thomas Lewis</u>
				W.O. BUTTE AERO SALES & SERVICE, INC. Certified Repair Station No. 3486
				1974

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER Continental MODEL I0-470 C

SERIAL 87884-70-C-R TYPE CERTIFICATE \_\_\_\_\_

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT N-3036C J-35-BONANZA-

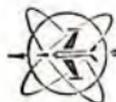
MINIMUM OCTANE FUEL \_\_\_\_\_ OIL GRADE SUMMER \_\_\_\_\_ WINTER \_\_\_\_\_

MAGNETO TIME \_\_\_\_\_ POINT SETTING \_\_\_\_\_ FIRING ORDER \_\_\_\_\_

SPARK PLUG GAP \_\_\_\_\_

MFG. RECOMMENDED OVERHAUL AT \_\_\_\_\_ HOURS.

The Standard



ENGINE LOG