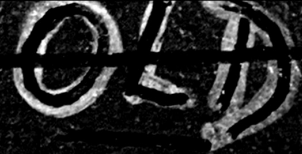


1



Right Engine

Removed from N71VK Right Engine to:
N71VK Left Engine Location

NOW

LEFT ENGINE

Nov 2022

11/11/2022

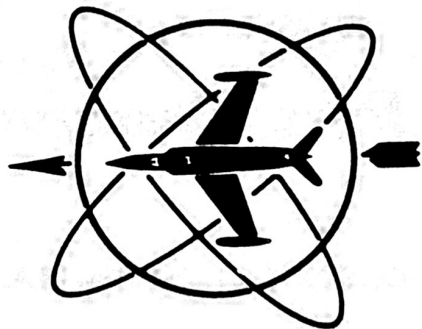
The Standard



ENGINE LOG

LEFT ENGINE Logbook

N71VK as of October 2022



MODEL SE-1

ENGINE RECORD — GENERAL INFORMATION

MANUFACTURER Continental MODEL ~~95 C55~~ IO-520-C
 SERIAL 125816-7C TYPE CERTIFICATE _____

THIS ENGINE IS CURRENTLY INSTALLED IN AIRCRAFT _____

MINIMUM OCTANE FUEL 100 LL OIL GRADE SUMMER _____ WINTER _____

MAGNETO TIME 22° POINT SETTING _____ FIRING ORDER _____

SPARK PLUG GAP _____

MFG. RECOMMENDED OVERHAUL AT _____ HOURS.

~~RIGHT ENGINE~~
 Removed from ~~RIGHT~~, overhauled, and
 moved to LEFT Engine location
 October 2022

The Standard



ENGINE LOG

This logbook is now LEFT Engine Log Book.

[illegible]

| 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.) |
|--------------|---------------------------|------------------|------------------------------------|---|
| 2-13-85 | | | Hobbs 181.1 | Replaced no. 6 cyl. with serviceable cyl. with new valves & Guides By A.F. R.O. Alia- tion. Yellow CARD in back of Engine Log. |
| | | | | Villard A HBBB A & P 4944291A |
| 4-25-85 | | | ^{1030.3} Clock Time 212.9 | Changed oil & filter replaced oil with 10 Qts Amsoil 50 W, cleaned air maze, and painted prop. Runup leak ck ok. Mark Archizere A & P 452157668 |

| DATE 1985 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE 1031.9 | 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.) |
|--------------|---------------------------|------------------|---------------------------------------|--|
| 4-29-85 | | | | <p>Clock Time 214.5 Removed #2 Cylinder due to low compression installed replacement serviceable exhaust valve P/N 63778, and new guide P/N 636242 P5 honed cylinder, ground & lapped in valves. Installed cylinder using one new piston, 1 set of rings, and new wrist pin. Replaced EGT Probe with new Probe. Run up engine leak ck new seals on cylinder ab. Mark Ardizzone A&P 452157668</p> |

| DATE 1985 | 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.) |
|--------------|---------------------------|------------------|-----------------------------|--|
| 8-8-85 | 85 | | | Clock Time 258.2 Changed oil & filter replaced oil with 10 Qt. 4/5 50W. Replaced air filter, filed and painted prop. Pump leak ok ok. Mark Ardizzone A & P 452157668 |
| 11-6-86 | | | 1079.4 | Clock Time 262.0 Cleaned spark plugs, checked mag points and timing, cleaned fuel injection nozzles, cleaned fuel finger screen, cleaned air filter, compression check as follows #1 $\frac{72}{80}$ #2 $\frac{77}{80}$ |

| DATE 1986 | 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 $\frac{76}{80}$ #4 $\frac{79}{80}$ #5 $\frac{78}{80}$ #6 $\frac{73}{80}$, washed down engine C.V. AD 77-13-22 by visual inspection, runup engine leak checks ok. |
| | | | | I certify that this engine has been inspected in accordance with a 100 hour inspection and was determined to be in Airworthy Condition. |
| | | | | Mark Ardizzone A&P 452157668 |

Red

[illegible]

| DATE 1957 | 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.) |
|--------------|----------------------------|------------------|-----------------------------|---|
| 3-18-87 | Clack | Time | 315.4 | Engine removed from |
| | | TT: 1132.8 | | aircraft for overhaul see next |
| | page | page | | page for details. Engine reinstalled |
| | using new hard maintenance | | | and Agashell Red Can 50W 120Z |
| | | | | added, engine runup and leak |
| | | | | tested ok. Runin procedure used. |
| | | | | I certify that this engine has |
| | | | | been inspected in accordance |
| | | | | with a 100 hour inspection |
| | | | | and was determined to be in |
| | | | | airworthy condition. |

Mark Ardiggone
A&P 452157668

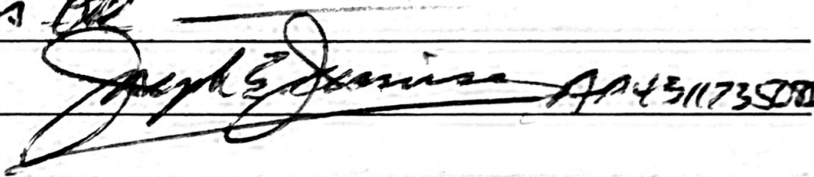
| DATE 1987 | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| | | | | MAINTENANCE RELEASE |
| | | | | MAKE <u>Continental</u> MODEL <u>TIO-520-C</u> |
| | | | | UNIT NAME <u>Engine</u> SERIAL NO. <u>125816-7-C</u> |
| | | | | I certify that the unit identified above was repaired and inspected in accordance with Part 43 of the United States Federal Air Regulations and approved for return to service |
| | | | | Details on file at this Agency under Work Order No. <u>2100</u> |
| | | | | SIGNED <u>Bela Ambrose</u> DATE <u>3-12-87</u> |
| | | | | <u>Engine Major Overhauled,</u> (disassembled, inspected, Crankcase replaced C/shaft reworked and engine assembled with most new parts, other in new parts limit. Full inj. system, Starter motor exchanged 2ea magnetos Overhauled.) |

NOTE: MAJORED @ 2268 TT (AIRFRAME)

| DATE 1987 | 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.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 3-27 | Clock | Time | 323.8 | Pulled and installed new oil filter, cut open old filter and checked for metal - none found. Mark Ardiggere AIP 452157668 |
| 9-23 | Clock | Reads | 352.7 | Changed oil and filter replaced oil with 1 qt Aeroshell AD 50W oil. Runup and leak check ok. Mark Ardiggere AIP 452157668 |

| DATE 19 <u>88</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.) |
|----------------------|---------------------------|------------------|-----------------------------|---|
| 6-15 | Clock Reads | | 385.5 | Changed oil and filter replaced oil with 11 Qts Aerashell 50W, cleaned spark plugs, checked mag timing, cleaned fuel injection nozzles, cleaned fuel filter screen, cleaned air filter, checked and lubed engine controls, compression check as follows #1-75, #2-79, #3-75, #4-76, #5-77, #6-78 over 80 washed down engine runup |
| | | | | Next Page → |

[illegible]

| 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.) |
|--------------|---------------------------|------------------|-----------------------------|--|
| 1-27-89 | | 430.3 | HM | 114.9 SMOK |
| | | | | Changed oil & filter. Serviced with Aeroshell 15W 50 Detail & Champion CH45109 filter. Got run for leaks OK |
| | | | |  AP4311735000 |
| | | | | |
| | | | | |
| | | | | |
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| | | | | |

| 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.) |
|---------------|---------------------------|------------------|-----------------------------|---|
| Aug. 22, 1989 | | | | Annual inspection completed this date. Changed oil, Castrol 15W-50. Replaced oil filter. Cleaned, gapped and tested spark. Tested ign. leads. Checked maps and timed to engine. Checked alt. and starter. C/P AD 84-26-22 by inst. of paper induction air filter, replace at 758:2 Washed down engine and cowling. Check all AD thru 89-15 see AD list in log book folder. Ran D/S on eng. |
| #1 | 80/74 | #4 | 80/77 | |
| #2 | 80/74 | #5 | 80/76 | |
| #3 | 80/74 | #6 | 80/78 | |

Certify that this Engine has been
inspected in accordance with a Annual
inspection and was determined to be in airworthy
condition. SMOH = 143:6 A/C Hrs. meter 459:0

8/22/89 TOTAL TIME: 1276:4 Hrs.
Thurston A&P/IA 1408244
Inspection Authorization

| 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.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 11-27-89 | 481.7 | Hour meter | 166.3 smoth | Changed oil & filter. Serviced w/ Acrosheel 15W50 oil & Champion CH48109 filter. Washed engine & ground run for leaks. OK. Joseph E. Jaurie AOPB117388IA |
| 6-5-90 | 501.2 | Hours | 185.8 smoth | Changed oil & filter. Installed 12 QTS. Mobil 1-AV & ES48109 FILTER. Ground-Run; NO LEAKS NOTED. Doug R. Day AOP 26271863 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Cyl for Cermichrome due to High air consumption
Check A.D.'s thru Bi-weekly 90-20. See
complete list in BACK of logbook.

APR 26 219/863

| 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.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| | | | | DATE <u>11-1-90</u> TACH TIME <u>541.4</u> TOTAL TIME <u>226.0</u> <u>5404</u> |
| | | | | I CERTIFY THAT THIS AIRCRAFT HAS |
| | | | | BEEN INSPECTED IN ACCORDANCE |
| | | | | WITH AN ANNUAL INSPECTION AND WAS |
| | | | | FOUND TO BE IN AN AIRWORTHY |
| | | | | CONTITION. |
| | | | | <u>Donald H. Severs</u> |
| | | | | DONALD H. SEVERS |
| | | | | IA 269440044 |
| 2-13-91 | Hobbs | 585.5 | 585.5 | Change oil & Filter. Install 12 qts |
| | Smith | 270.1 | 270.1 | Aeroshell 100w (50wt) And ES 48109 |
| | | | | Filter. Ground-Run, No Leaks Noted. |
| | | | | <u>Donald H. Severs</u> |
| | | | | AP 26219/863 |

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.)

| TIME | FLIGHT | TIME IN SERVICE | |
|--------|--------|-----------------|--|
| 4-4-91 | Hobbs | 611.4 | DRAIN OIL, ADD 12 QTS Aeroshell |
| | SMOH | 2960 | 100W (50wt). Filters Not changed |
| | | | at this time. |
| | | | Doug A. Og |
| | | | HP 2219183 |
| 6-4-91 | Hobbs | 623.1 | Comp. CK #1 73 #2 72 #3 73 #4 74 #5 74 |
| | SMOH | 307.7 | #6 72 Removed oil Filter and CK |
| | | | found OK Robert R. R. R. |
| | | | HP 47850 9999 |
| 2/4/92 | Hobbs | 751.1 | ALTERNATOR REMOVED SENT OUT |
| | | | FOR REPAIR AND REINSTALLED. |

| DATE 19 <u>92</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.) |
|----------------------|---------------------------|------------------|-----------------------------|---|
| 2-1 | | | | <p>COMPRESSION CK ON ALL CYL. GOOD. REMOVED SPARK PLUGS CLEANED, INSP, GAPPED, PAINTED AND REINSTALLED. FUEL SYSTEM FILTERS CLEAN AND INSP. OIL & FILTER NOT CHANGED AT THIS TIME. ENG. RUNUP OK.</p> <p><i>[Signature]</i> A/P 267803425</p> |
| | | | | <p>Date <u>Feb 1 92</u> total time <u>Hobbs 7561</u> I certify that this <u>Engine</u> was inspected in accordance with a <u>Annual</u> inspection & found airworthy.</p> <p><i>[Signature]</i></p> |

2-1

COMPRESSION CK ON ALL CYL. GOOD. REMOVED SPARK PLUGS CLEANED, INSP, GAPPED, PAINTED AND REINSTALLED. FUEL SYSTEM FILTERS CLEAN AND INSP. OIL & FILTER NOT CHANGED AT THIS TIME. ENG. RUNUP OK.

James J. Smith A/P 267803425

Date Feb 1 92 total time 756.1
I certify that this Engine was
inspected in accordance with a Annual
inspection & found airworthy.

Frank Ball

~~Ivan L. Batten 338-18-6384 1A~~

| 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 93 | HOBBS | | | |
| 3-2 | 9.34.4 | HOBBS | | <p>OIL DRAINED NEW OIL FILTER INSTALLED CH 45109</p> <p>INSTALLED NEW GARNETT EXHAUST CASKET CYL 1-4-6</p> <p>COMPLETED COMPRESSION CHECKED #1 75/80 #2 74/80</p> <p>#3 74/80 #4 75/80 #5 76/80 #6 75/80 RESET TIMING ON 4/MAL</p> <p>30° BTC CHECKED FUEL SERVO PRESSURE etc INSTALLED NEW</p> <p>SPARK PLUGS CHAMPION RHB32E WASH ON ENGINE</p> <p>I certify that this ^{ENGINE} aircraft has been</p> <p>inspected in accordance with a <u>ANNUAL</u></p> <p>inspection and was determined to be in</p> <p>airworthy condition."</p> <p>Date <u>3-2-93</u></p> <p>License No. A&P1046134 I.A.</p> |

7/1 4500-07-805 10/1/93

Signature

| DATE 19 <u>94</u> | RECORDING TACH TIME <u>H0805</u> | TODAYS FLIGHT | TOTAL TIME IN SERVICE <u>SNO.</u> | 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.) |
|----------------------|---|------------------|--|---|
| <u>3-19</u> | <u>35.1</u> | | <u>721.1</u> | OIL DRAINED FILTER CHANGED COMPRESSION Checked #1 72 $\frac{1}{8}$ / <u>50</u> #2 73 $\frac{1}{8}$ / <u>50</u> #3 72 $\frac{1}{8}$ / <u>50</u> #4 75 $\frac{1}{8}$ / <u>50</u> #5 76 $\frac{1}{8}$ / <u>50</u> #6 75 $\frac{1}{8}$ / <u>50</u> Remove OLD BENDIX MAGNETOS AND INSTALLED TCM ReBUILT MAGNETOS P/N 10-349260-6 S/N C089407FR AND P/N 10-349220-5 S/N C029417FR TIMED TO 12° BTC ENGINE RAN UP FOUND OK AD 94-01-03 C/W S/B TCM 637 C/w "I certify that this aircraft has been inspected in accordance with a <u>ANNUAL</u> inspection and was determined to be in airworthy condition." |
| | | | | Date <u>3-19-94</u> License No. A&P1046134 LA |

HOBBS 83.5

[illegible]

HOBBS 0122.2 HRS.

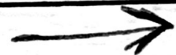
| DATE 19 <u>95</u> | RECORDING TACH TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE <u>808.2</u> | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.) |
|---|---------------------------|------------------|---|--|
| 4-13 | | | | OIL CHANGED NEW FILTER INSTALLED CHAMPION CH 45109, NEW FUEL HOSE INSTALLED AT DIST CHECK MAGNETO TIMING 22° BTDC. COMPRESSION CHECKED #1 CYL. 73/80 #2 71/80 #3 73/80 #4 74/80 #5 75/80 #6 75/80 CLEAN GAPPED SPARK PLUGS, SET .015 GAP CHECKED INTAKE & EXHAUST SYSTEM CHECKED IGNITION HARNESS ENGINE'S RAN UP FOUND OK, ALL AD'S C/W THRU 9505 |
| <p>I certify that this aircraft ^{ENGINE} has been inspected in accordance with a ANNUAL inspection and was determined to be in airworthy condition."</p> | | | | |
| <p>Date <u>4-13-95</u> License No. <u>A&P1046134 I.A.</u></p> | | | | |
| <p>Signature <u>Louis J. Terrell</u></p> | | | | |
| | | | | |
| | | | | |
| | | | | |

| DATE | TACH RECORDING TIME | TODAYS FLIGHT | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS <small>ENTRIES MUST BE ENDORSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (SEE BACK PAGES FOR OTHER SPECIFIC ENTRIES.)</small> |
|---------------------------|------------------------|---------------|-----------------------|---|
| 19 ⁹⁶ 11/96 | 347.8 | TSM04 | 10328 | Performed A 100 hour engine service / inspection per FAR 43 App. D And manufacturers manuals. Ran Engine, drained oil, cleaned screen, Replaced oil FILTER, replaced SPARK PLUGS (12). Serviced engine per maint manual recommendations. Serviced with Aeroshell 50 wt Detergent oil. Air Filter cleaned. Ran engine. NO Leaks noted, All indications Normal. I certify That This engine WAS inspected I.A.W. a less than inspection and was Found To be in Airworthy condition Alex K Endop AOP 219847112 |

| DATE 19 ⁹⁷ | 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.) |
|--------------------------|---------------------------|------------------|-----------------------------|---|
| 7/1/97 | | | | Performed A 100hr engine/service in conjunction with Annual Insp |
| Hobbs- | 407.2 | | | This date Per FAR 43 App D and MANUFACTURERS MANUALS RAN |
| TOTAL- | 3361.6 | | | engine. All services and checks due at this time per manual |
| Tsmolt- | 1093.2 | | | complied with. RAN engine. All pressures and indications |
| | | | | Normal. No leaks apparent. I certify that this engine has |
| | | | | inspected I.A.W. A 100hr./Annual Insp and was found to be |
| | | | | in Airworthy condition all Rul 219847112 FA. |
| 24 JUL 98 | 635.2 | | 1321.2 | SMOH Eng. Insp. For GENERAL condition, oil |
| | | | | DRAINED, FILTER checked (OK) & changed, |
| | | | | SERVICED 12 qts AEROSHELL 15-50. REMOVED |
| | | | | plugs, CLEANED, GAPPED, POINTED & RE-INSTALLED |
| | | | | (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.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 24 JUL 98 | 635.2 | | 1321.2 | (Cont.) GEA AND REPLACED GEA. Ign. checked. I CERTIFY THAT THIS ENGINE WAS inspected IAW A 100 hr inspection and was determined to be in an Airworthy condition. <u>W/H</u> IA 54326037 |
| | | | | |
| 2/10/99 | 649.5 | | 1335.5 SMOH | DRAINED OIL AND CHANGED FILTER. CUT Filter open - NO METAL FOUND! SERVICED ENGINE WITH 12 qts OF ACRO SHELL 15W-50 AND INSTALLED CHAMPION CH 48109 OIL FILTER. WASHED DOWN ENGINE AND LEAK CHECKED. <u>ATP</u> 305569359 |

| DATE 19 <u>99</u> | RECORDING TACH TIME <i>Hobbs</i> | 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.) |
|----------------------|---|------------------|-----------------------------|---|
| 5/10/99 | 665.0 | | 1351.0 SMOH | REMOVED #4 CYLINDER DUE TO LOW COMPRESSION. INSTALLED NEWLY OVERHAULED CERMI-NIL CYLINDER FROM TRIAD AVIATION. (SEE GREEN TAG) INSTALLED NEW RINGS, NEW EXHAUST VALVE, NEW SEALS AND GASKETS ALSO REPLACED INTAKE RUBBER TUBES AND EXHAUST GASKETS ON THE LEFT SIDE OF THIS ENGINE. REMOVED ALL ROCKER COVERS AND BEAD BLASTED AND PAINTED THEM WITH CONTINENTAL GOLD. REINSTALLED WITH NEW GASKETS. REMOVED AND CLEANED ALL FUEL INJECTOR NOZZLES, INSTALLED 6 NEW |



| 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.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| | CON'T → | | | CHAMPION SPARK PLUGS. REMOVED, CLEANED AND REPAINTED OIL SEPARATOR. LUBED ALL ENGINE CONTROLS. CLEANED ENGINE AND RAN UP - NO LEAKS DETECTED ops ✓ OK. Chris in ATP 305569359 |
| 9/15/99 | [Hobbs - 684.0] | [SMOH - 1370] | | Completed Inspection of Eng. For overall condition. Compression check was #1) 75/80 #2) 77/80 #3) 69/80 #4) 78/80 #5) 64/80 #6) 77/80. CLEANED AND GAPPED Plugs, Replaced 6 with new plugs of same type. DRAINED oil AND CUT OPEN FILTER - NO METAL FOUND. SERVICED WITH 12 qts INSTALLED NEW CHAMPION CH-48109 OIL FILTER. CONT → |

| 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 | | | | <p>OF ACROSTELL 100 W (Plus). Replaced Blanket Air Filter Assy. # BA-6205. Checked Mag. Points AND Timing, Replaced Condenser in Right MAG. I Certify THAT THIS Engine WAS Inspected IAW A 100 Hr Inspection AND WAS determined TO be in an Airworthy Condition. SEE AD Compliance List for complete STATUS OF AD!</p> <p>Chris J. Jiri IA 305569359</p> |
| 11/8/99 | | | | <p>(Hobbs-6920) (SMOH-1378) Removed TACH Generator AND Replaced with overhauled unit from Kelly Instruments Inc. (SEE 8130-3). Ran Engine, Leak checked AND ops checked OK!</p> <p>Chris J. Jiri IA 305569359</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.) |
|-------|---------------------------|------------------|-----------------------------|---|
| 2000 | | | | |
| 4/500 | 710.0 | (SMOH 1396) | | DRAINED OIL AND SERVICED WITH 10 QUARTS OF ACOSHELL 50 W PLUS. WASHED DOWN ENGINE AND LEAK CHECKED. Chris ATP 305569359 |
| 7/24 | 722.0 | (SMOH 1408) | | Replaced 2 Fuel Lines in RIGHT ENG Compartment with new HOSES from Piedmont Aviation. HOSES WERE SHOWING SIGNS OF WEAR. Chris ATP 305569359 |

| 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.) |
|--------------|----------------------------------|------------------|-----------------------------|---|
| 8/22/00 | (Hobbs - 732.0) (SMOH - 1418) | | | Completed inspection of engine for overall condition. Compression check was #1) 65/80 #2) 66/80 #3) 67/80 #4) 74/80 #5) 25/80 #6) 72/80 Removed #5 cylinder and took to TRIAS engine shop for repair. Replaced exhaust valve guide, lapped valve seats, honed cylinder wall and installed and fitted new rings cleaned and gapped spark plugs. Drained oil and serviced with 11 qts of AcosHall 100 W(PLUS). Checked oil filter and installed new Champion CH-48109. Replaced beckett air filter Assy. BA-6205. Checked mag timing. Replaced broken exhaust clamp. I certify that this eng was inspected IAW AN 100 H.E. Ins. and was determined to be in an Airworthy condition. <i>[Signature]</i> JA 305556435 |

| 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.) |
|--------------|---------------------------|------------------|-----------------------------|--|
| 1-12-01 | 742.9 | | 2561.7 | S.M.A.H. 2561.7 0.00 Major overhauled this Engine this Date as per TCM manual V 30039A. Eng Disassembled and all parts cleaned & checked. Connecting rods, Rocker arms rechecked rechecked & certified by AEA. Crankcase repaired by AEA Aviation Inc. Oil cooler O.H. by Pacific Oil Cooler Service Inc. Rebuilt crankshaft with AEA Reconditioned crankshaft. New VCR crankshaft. P/N 649875, S/N N005A346 installed. 602 (634961A9BP) cyl assemblies installed. Fuel Flow Divider & Fuel control Valve O.H. by Horton Aero Service. Fuel pump replaced by TCM Rebuilt pump Assy. P/N 646212-2A2, S/N 6002A193R. Fuel Nozzles clean & Flow checked. Both magnetos O.H. as per TCM |

| 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.) |
|--------------|---------------------------|------------------|-----------------------------|--|
| | | | | <p>Manual X 40000. Alternator replaced with Aero Electric, Inc. Alternator p/n 1100723AY, S/N A138925. Starter replaced with Electro-syntr, Inc. rebuilt Starter N° 646275-1, S/N A110270. Steel parts magnafluxed by Horton Aero Service. See Attached list of new parts installed. Eng reassembled with all new gaskets & seals & 7cm intake & exhaust. All fuel & oil hoses made up & installed firewall forward see station fittings. <u>Clad AD. 93-16-15</u> by installing new 653359 Fuel pump Coupling. Mag p/n & S/N are 10-349260-6 S/N C089 407FA & 10-349220-5 S/N C029417FA See Back of Book for AD & SB Compliance. Engine installed on Rt side N° 21VK with new Eng mt. Brackets & 12 qt Aeroshell 40 A.D. oil. Engine over</p> |

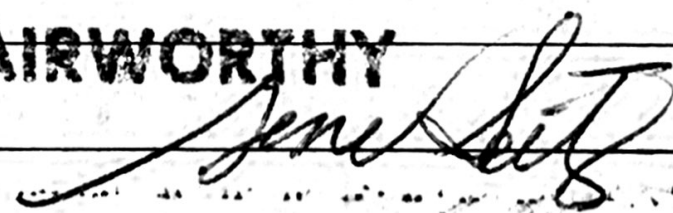
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| | | | | | | | | |
|----|--------------|--------------------------|----|--------------|-----------------|---|-------------|-------------|
| 1 | 401885 | Stud | 12 | MS20500-428 | Exh Nut | 4 | J10778-16 | Mount Kit |
| 7 | 530346 | Bolt | 12 | MS24665-229 | Cotter Pin | 6 | 10-349652 | Screw |
| 2 | 531178 | Retainer-Mag Drive | 2 | M35756-8 | Key | 6 | 10-53397 | Washer |
| 1 | 629422U | Mag Drive Gear-used | 6 | SA530658 | Bushing | 2 | 10-400623 | Bearing |
| 1 | 629726OHC | Camshaft-Certified | 36 | SA531001 | Nut-cyl base | 2 | 10-357592 | Seal |
| 1 | 630693-12.14 | Thru-Bolt | 6 | SA536379 | Bolt-crank gear | 2 | 10-50752 | Felt washer |
| 1 | 630943-5.31 | Thru-Bolt | 1 | SA537721 | Bearing-Needle | 2 | 10-163374 | Felt strip |
| 1 | 630943-6.19 | Thru-Bolt | 12 | SA628109 | Nut-conn rod | 2 | 10-92815-37 | Snap ring |
| 2 | 631972 | Clamp | 12 | SA628488 | Lifter | 2 | 10-92815-62 | Snap ring |
| 1 | 632977U | Oil Pump Body-used | 12 | SA629340 | Bolt-conn rod | 1 | 10-349276 | Condenser |
| 2 | 633240 | Gasket | 6 | SA630046 | Piston pin | 1 | 646275-1R | Starter |
| 1 | 639305 | Vernathern | 12 | SA630826 | Rod bearing | 1 | 501867 | Locktab |
| 8 | 641931-10.75 | Thru-Bolt | 4 | SA631088-.44 | Bolt-cam gear | 1 | 534715 | Snap ring |
| 1 | 646212-2A2R | Fuel Pump-OHC exchange | 4 | SA638172 | Cushion-mag | 1 | AN123862 | O'Ring |
| 1 | 649895 | Crankshaft & CWT Assy | 1 | SA641250 | Seal-crank | 1 | X13041 | Bearing |
| 12 | 652129 | Bushing-rocker arm | 2 | SA641909 | Lockplate | 1 | 534685 | Bearing |
| 12 | 652541 | Nut-cyl base (12pt) | 10 | SA642917-1 | Hose | 1 | 641368 | Bearing |
| 24 | 653188 | Thrust washer-rocker arm | 1 | SA646550A1 | Gasket Set | 1 | 630899 | Bearing |
| 1 | 653359 | Coupling-fuel pump | 1 | SA646591A1 | Main brg set | | | |
| 1 | 654961A9BP | New Cylinder Kit (6ea) | 4 | SA649205 | Bolt-gear face | | | |
| 1 | CH48109 | Oil Filter | 1 | M1740 | Harness | | | |


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| 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.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 11-21-01 | HOURS 814.7 | | | Blow By #1) 70 #2) 72 #3) 74 #4) 66 #5) 71 #6) 77 OVER 80, Oiled oil & FILTER (CH 48109) PUT IN 1/3 100 W, Washed Engine; cleaned fuel nozzles, REPLACED AIR FILTER. (BA6209), cleaned & gapped SPARK PLUGS, INSTALLED M-20 AIR/OIL SEPARATOR S/C SA02033AT (See 337) on LEFT side of eng. Removed both wings & overhauled due to 4 year time limit DATE <u>11-21-01</u> TOTAL TIME TO DATE <u>2634.0</u> <u>5molt 71.8</u> I CERTIFY THAT THIS <u>Engine</u> HAS BEEN <u>INSPECTED</u> IN ACCORDANCE WITH A <u>100 HR</u> INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. <u>Sam J. Bradley</u> <u>AP 2231996 IA</u> |

noted in
unit 18

| 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.) |
|---------------------------------------|---------------------------|--|-----------------------------|--|
| 1-2-03 | HOBBY | 867.4 | | CHANGED OIL & FILTER, PUT IN AT 5000W, WASHED ENGINE, CLEANED SPARK PLUGS, CHECKED MAG. POINTS & TIMING, REPLACED AIR FILTER, CLEANED FUEL NOZZLES, BLOW BY #1) 72 #2) 72 #3) 70 #4) 74 #5) 74 #6) 74 OVER 80, ADJUSTED FUEL PRESSURE & MIXTURE AS PER M/M |
| DATE 1-2-03 | | TOTAL TIME TO DATE 2686.7 | | |
| I CERTIFY THAT THIS | | ENGINE | | |
| IN ACCORDANCE WITH A | | 100HR | | |
| AND WAS DETERMINED TO BE IN AIRWORTHY | | INSPECTION | | |
| CONDITION. | |  ADP 21180062 | | |

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| DATE | RECORDING | TOTAL | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS |
|------|--|--------------------------------|--|
| 19__ | Date: May 6, 2005 Reg. #N71VK | Model IO-520-C Hobbs: 967.5 | S/N 125816-7C TSMOH: 224.6 |
| | <p>Performed 100 hour inspection IAW FAR 43 Appendix D using Beechcraft C55 inspection guide. Compressions checked as follows: #1 60/80, #2 67/80, #3 61/80, #4 66/80, #5 79/80, #6 71/80. Installed new gaskets on left exhaust risers. Drained oil, cut open filter, no metal found. Installed new filter and serviced engine with Phillips XC 20w50 oil. Performed run-out check and dye penetrant inspection of crankshaft flange, no defects noted. All ground runs and leak checks good.</p> | | |
| | <p>I certify this engine has been inspected IAW a 100 hour inspection and was determined to be in airworthy condition.</p> | | |
| | <p>Signed  _____ Vernon Hampton A&P 431417955IA</p> | | |

| DATE 2006 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.) |
|--------------------|---------------------------|------------------|-----------------------------|--|
| 9-19-06 | Hobbs: 1008.5 | | | Ran blow by's #1) 62, #2) 66, #3) 64 , #4) 58, #5) 68, #6) 63 all over 80 ps. Changed air filter. Removed, cleaned, inspected, regapped, tested & reinstalled spark plugs. Removed cleaned, inspected, and reinstalled fuel injector nozzles & inlet screen. CW 4yr. overhaul to both Magneto, reinstalled and tuned to Engine. Lubricated all Engine controls, washed and ran Engine. No leaks noted. Ran up good. Amuly/Smith #2826822 |

DATE 9-19-06 TOTAL TIME TO DATE 2827.8 (smoth: 265.6)

I CERTIFY THAT THIS Engine HAS BEEN INSPECTED

IN ACCORDANCE WITH A Annual INSPECTION

AND WAS DETERMINED TO BE IN AIRWORTHY

CONDITION:

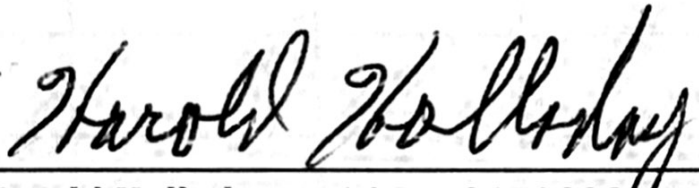
Amuly/Smith #2826822

| 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.) |
|--------------|---------------------------|------------------|-----------------------------|---|
| 8-21-17 | 1246:108.2 | | | Installed new coil in LT MAG, also checked gear at this time. |

Brandon Lillis A&P 2699680

Engine Log N71VK Phillips, Eddie
12/15/2015

RIGHT ENGINE Current Time: 301.7 Hobbs: 1044.6
Cleaned, gapped and tested spark plugs. Checked exhaust system for cracks and leaks. Checked ok. Changed oil and replaced oil filter, using Phillips X-Country 20/50 oil, furnished by Eddie Phillips. Installed Champion #109 oil filter. Replaced air filter using Brackett #BA6205 air filter.
Pulled spinner off, checked prop hub; Installed fuel flow distributor diaphragm #626536.
Compression Differential: (1) 75/80 (2) 78/80 (3) 75/80 (4) 76/80 (5) 76/80 (6) 76/80. Replaced valve cover gaskets on (4) cylinder. Set timing on both magnetos.
I certify that this engine has been inspected IAW a 100 Hr/Annual Inspection and was determined to be in an airworthy condition.


Harold Holladay A&P # 3173828

Engine Log N71VK

Compression Differential: (1) 72 (2) 60 (3) 72 (4) 62 (5) 76 (6) 64.

Cleaned and tested spark plugs. Checked magneto timing. Checked engine timing.

Checked fuel screens.. Replaced air filter, using P/N BA6205

Sent oil sample to Laboratory for inspection, using oil sample kit.

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

Harold Holladay A&P 3173828

Harold Holladay A&P 3173828

July 11, 2019

INS, TESTS, REPAIRS AND ALTERATIONS

NAME, RATING AND CERTIFICATE NUMBER OF
E BACK PAGES FOR OTHER SPECIFIC ENTRIES.)

Date: August 01, 2019 Hobbs: 1058.7 SMOH: 315.8

Checked fuel injection system.

Compression Differential: (1) 75/80 (2) 78/80 (3) 75/80 (4) 76/80 (5) 76/80 (6) 76/80. Inspected exhaust system for cracks & leaks - none found. Cleaned engine and ran engine up before replacing cowling.

Researched applicable AD's: No applicable AD's were found to be due on this engine at this time.

I certify that this engine has been inspected in reference to a 100 Hr Inspection and was determined to be in an airworthy condition.

Harold Holladay A&P 3173828 IA
August 01, 2019

August 01, 2019

D ALTERATIONS
TIFICATE NUMBER OF
R SPECIFIC ENTRIES.)

Right Engine LogBook N71VK
Continental IO-520-C Serial #: 125816-7C
Hobbs: 1088.5 SMOH: 345.6

Performed 100 hr inspection - Cleaned, gapped and tested spark plugs. Checked fuel injection system.

Compression Differential: (1) 69 (2) 62 (3) 73 (4) 63 (5) 75 (6) 65. Inspected exhaust system for cracks & leaks - none found.

Researched applicable AD's: No applicable AD's were found to be due on this engine at this time.

I certify that this engine has been inspected in reference to a 100 Hr Inspection and was determined to be in an airworthy condition.

Harold Holladay A&P 317828 IA
Date: 20 August 2020

Harold Holladay A&P 3178828 IA
Date: 20 August 2020

Date: 20 August 2020

LOG BOOK ENTRIES.

Right Engine LogBook N71VK

Continental IO-520-C Serial #: 125816-7C

Hobbs: 1170.8 TT (Airframe): 4071.1 SMOH (Right Engine) : 427.9

Performed Annual Inspection -

Ran up Engine.

Compression Differential: (1)58 (2) 52 (3) 60 (4) 62 (5) 62 (6) 64

Checked and timed magnetos.

Cleaned, gapped and tested spark plugs. Checked fuel injection system. Cleaned and inspected fuel screens.

Inspected fuel and oil hoses.

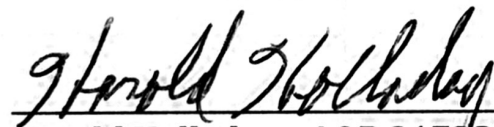
Inspected exhaust system for cracks & leaks - none found.

Changed oil and oil filter, using Phillips 20/50 Oil and Champion Oil Filter, P/N 48109-1

Replaced air filter element, using Brackett Air Filter Element, P/N 6205.

Researched applicable AD's: No applicable AD's were found to be due on this engine at this time.

I certify that this engine has been inspected in reference to an Annual Inspection and was determined to be in an airworthy condition.



Harold Holladay A&P 3173828 IA

Date: 12 November 2021

Engine Removed from Right location ON Airplane : Overhauled
And Moved to Left Side of Airplane. SEE Following
LOG BOOK ENTRIES.

Engine: Continental IO-520-C Serial # 125816-7C is now on Left Side

| DATE | RECORDING TACH TIME | TODAY TACH TIME | TOTAL TIME IN SERVICE | DESCRIPTION OF INSPECTIONS, TESTS, REPAIRS AND ALTERATIONS ENTRIES MUST BE ENDOSED WITH NAME, RATING AND CERTIFICATE NUMBER OF MECHANIC OR REPAIR FACILITY. (USE BACK PAGES FOR OTHER SERVICE ENTRIES.) |
|------|---------------------------|-----------------------|-----------------------------|---|
| 19__ | | | | LEFT ENGINE LOG BEGINS HERE |
| | | | | Left Engine Logbook N71VK |
| | | | | Hobbs: 1197.3 SMOH (Left Engine): 0.0 TT (Left Engine): 2933.8 |
| | | | | Left Engine: Continental IO-520-C Serial #: 1258167C Case # 642001 |
| | | | | Airframe: Beech Baron 95-C55 Serial #: TE-387 TT (Airframe): 4098.2 |
| | | | | Left Engine Note: Removed Left Engine, a Continental IO-520-CB2B Serial#: 244447-R, from left engine location of N71VK. Replaced engine at left engine location on airplane with overhauled engine that had been previously removed from the right engine location of N71VK. I overhauled the removed right engine, then installed this overhauled engine into the Left Engine location. I transferred the Left Engine Logbook from Right Engine location to Left Engine location. |
| | | | | <u>The engine now in the Left Engine Location of N71VK is:</u> |
| | | | | <u>Continental IO-520-C, Serial # 1258167C, Case # 642001</u> |
| | | | | Overhaul of Engine: Continental IO-520-C Serial#: 1258167C: |
| | | | | Cleaned and disassembled engine in preparation for overhaul. Re-assembled engine, in reference to Continental Aircraft Engine Overhaul Manual, and in reference to Teledyne Continental Service Bulletin M89-7R1, using the following parts: |
| | | | | TCM Crankcase, case # 642001 , repaired by Crankcase Services Inc, Sand Springs, OK; FAA Repair Station # H1HR0960, Authorized Release Certificate #: CSI-35810. |

DATE RE

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The following parts were purchased from , or overhauled by, Aircraft Specialties Services, Tulsa, OK, FAA Repair Station DD2R764K:

Overhauled Continental Camshaft, P/N 629726 AE. Authorized Release Certificate #: ASI-175049.

Overhauled Continental VAR Crankshaft, Serial # 890532, repaired by Aircraft Specialties Services,

Authorized Release Certificate #: ASI-174968.

(6) Overhauled/repaired Continental Connecting Rods, Authorized Release Certificate #: ASI-175050.

(6) Overhauled Lifters, P/N 646277, Authorized Release Certificate #: ASI-175052

(6) Overhauled Lifters, P/N 628488, Authorized Release Certificate #: ASI-175051

(12) Overhauled/ repaired Continental Rocker Arms, Authorized Release Certificate: ASI-175053

Continental Gear, Inspected by Aircraft Specialties Services, W/O 273120. Authorized Release Certificate # ASI-175054.

(4) Refurbished Continental Counterweights

Internal Steel for 6 cylinders, magnafluxed by Aircraft Specialties in accordance with Overhaul Manual.

(See W/O #: 273120)

(16) Plates, P/N SA643629; (1) Plug, P/N 1287-1; (1) Dowel, P/N 536563; (6) Bushings, P/N 658731; (8)

Bushings,

P/N SA350998; (6) Bushings, P/N SA520129; (6) Bushings, P/N SA530658; (16) Lock Rings, P/N SA629104;

(16) Bushings, P/NSA639193; (2) Pins, P/N SA642626-103, (2) Pins, P/N SA643626-104; (4) Pins, P/N

SA643626-105

(12) Cotter Pins, P/N MS24665-22; (6) Screws, P/N SA536379; (1) Bearing, P/N SA537721; (12) Nuts,

P/N SA628109; (12) Rod Bolts, P/N SA629340, (4) Screws, SA631088-.44; (1) Major Overhaul Gasket Set,

P/N SA632429-A3; (1) Seal, P/N SA641250; (2) Plates, P/N SA641909; (12) Bearings, P/N SA642398; (1)

Bearing Set, P/N SA646592-A1; (4) Screws, P/N SA649205.

ONS
IMBER OF
ENTRIES.)

DATE

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The following parts were purchased from Air Power Inc, Arlington, TX:

(6) New Cylinder Assemblies, P/N SA52006, Serial #'s: 1612-526000014283; 1612-526000014284; 1612-526000014313; 1612-526000014314; 1612-526000014315; 1612-526000014316; (12) Piston Pins, P/N SA630046; (6) Gaskets, P/N 06E19769-1.00; Nuts, P/N NAS1805-4; Nuts, P/N AN315-5R>

AGENCY.

Prop Governor, P/N D210439, Serial # 804237, Overhauled by Aircraft Accessories, Tulsa, OK. FAA Repair Station RV3R829L, Authorized Release Certificate #: 062922.

Starter, P/N 646275-1, Serial # H-W032833

Starter Adapter, P/N 642083A12, Serial #51009, Overhauled by Aircraft Accessories, Tulsa, OK, FAA Repair Station RV3R829L, Authorized Release Certificate #: 062922.

Alternator, P/n 1100723, Serial #: A138925, Overhauled by Aircraft Accessories, Tulsa, OK, FAA Repair Station RV3R829L Authorized Release Certificate #:062322.

Overhauled Alternator Drive Coupling, P/N 646655, Serial # 2248, Authorized Release Certificate: 086987
The following parts were overhauled by Mike's Aircraft Fuel Metering Service, Tulsa, OK, FAA Repair Service #: HK2R875K, P/N 638154-2:

Overhauled Fuel Pump, P/N 638154-2, Serial #: D127903RB, Authorized Release Certificate #: 32044

Overhauled Fuel Control Valve, P/N 632916-2, Authorized Release Certificate #: 32044

Overhauled Flow Divider, P/N 631427-2, Authorized Release Certificate #: 32044

The following parts were overhauled by Pacific Oil Cooler, La Verne, Ca; FAA Repair Station RF3R813L

Overhauled Oil Cooler, P/N 1E1502, Serial# 1166,; Authorized Release Certificate #: 150878

Overhauled Vernatherm, P/N VD210195, Serial # 135941

Kelly Ignition Harness, Red, P/N KA11740, Authorized Release 1933749-11

Magnetos, Overhauled by Aircraft Ignition Services, Honey Grove, TX:

Bendix, S6RN-1201, P/N 10-349220-5, Serial # F288910FR

Bendix, S6RN-1201, P/N 10-349220-5, Serial #C029417FR

(4) Engine Mount Kits,, P/N J-10778-16, FAA PMA ^A9A991D^A purchased from Herber Aircraft Service Co,

El Segundo, CA, Authorized Release Certificate #: JDM22135-81600226

Lycoming Oil Separator, L100 08-00571, purchased from Aircraft Spruce & Specialty, Corona, CA

Thru-Bolt, SA641931-10.75 purchased from Aircraft Specialties Services, Tulsa, OK. FAA Repair Station
DD2R764K

Champion Oil Filter, P/N 48109

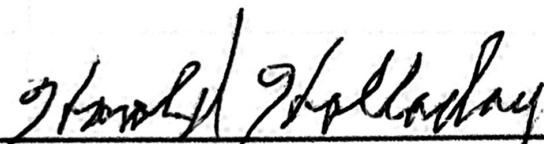
AeroShell 100 Oil, 10 qts

After engine was installed on airplane, it was pre-Oiled, using pressure tank.

Installed Left Propeller, using McCauley 2AF34C55-NO, Serial # 723874, overhauled by Lone Star Propeller,
Midland, TX, FAA Repair Station L79R116Y, Authorized Release Certificate 3572. (See propeller logbook.)

Test ran engine in reference to Teledyne Continental Service Bulletin M89-7R1. Recowled airplane. Test flew
Airplane, in reference to procedures on Page 3, Item B, articles 1-4 of Teledyne Continental Service Bulletin
M89-7R1.

**I certify that I have inspected this engine, that applicable Ads were researched and applicable Ads are
current, and that this Right Engine is in airworthy condition.**



Harold Holladay A&P 3173828 IA/ Date: 03 November 2022

Left Engine: IO-520-C Serial #: 1258167C SMOH (Left Engine): 14.8 TT (Left Engine): 2948.6

Performed Annual Inspection in reference to Part 43 Appendix (D) and Beechcraft Maintenance Checklist for Baron 55:

Ran up engine. Removed cowling.

Performed Compression Differential: (1) 74 (2) 74 (3) 74 (4) 75 (5) 76 (6) 73

Tested Spark Plugs. Checked Starter and Magnetos.

Removed old engine baffling. Installed new D'Shannon Engine Baffling, P/N DL87002OPTC in reference to STC SA0922)SC, issued to D'Shannon Products, LTD, 1309 County Road 134, Buffalo, MN 55313, using Instruction Manual Option C (Item 3) and using parts as listed by D'Shannon Products, P/N DL87002 OPTC, Serial # 190415-05, pages 1,2,&3 of DAC Packing List Engine Baron55 Baffle OPTC Complete. Filed 337 form for installation of new baffling with FAA, Oklahoma City, OK.

Copy of STC # SA09220SC, Parts List for kits, P/N DL87002 and Instructions for Continued Airworthiness for Beech 55 have been included in Airplane Logs for N71VK.

Changed Oil and Oil Filter, using 11 quarts AeroShell 100 (Mineral Oil) and Tempest Oil Filter, P/N 48108.

Checked Fuel Injection System; cleaned Fuel Filters. Checked all Fuel and Oil Lines.

Checked Exhaust System.

Inspected Air Filter; filter was found to be clean and in good condition.

Ran engine to check for leaks; no leaks found.

Replaced Cowling.

Researched applicable Ads and complied with the following applicable Ads:

70-14-07 (Fuel Pump Bypass Needle): PCW, Previously complied with at time of Engine Overhaul on 03 November 2022, at Hobbs: 1197.3 and SMOH (Left Engine): 0.0, by installation of overhauled Fuel Pump, P/N 638154-2, Serial # D127903RB.

72-24-03 (Oil Filter Adapter): CW; Complied with by removal of old Oil Filter Adapter. Replaced with used Teledyne Continental Oil Filter Adapter, P/N 632881, purchased from Enparts, Lancaster, TX, Invoice 00157547.

77-13-22 (Crankcase Cracks): RECURRING- PCW, Previously complied with on 03 Nov 2022, at time of Engine Overhaul (Hobbs): 1197.3 & SMOH (Left Engine): 0.0, by installation of Overhauled Crankcase, serial # 642001, Repaired by Crankcase Services, FAA Repair Station H1HR0960, Authorized Release Certificate:CSI-35810. **AD is due every 100 hrs TIS; next due at Hobbs: 1297.3 - Continued on Next Page>>>>**

ALTERATIONS

**CATE NUMBER OF
SPECIFIC ENTRIES.)**

-Continued from previous page -

DATE

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TO
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SE

80-01-04 (Rebarrelled Cylinder Assemblies): PCW , previously complied with at time of Engine Overhaul on 03 Nov 2022 at Hobbs: 1197.3 & SMOH (Left Engine): 0.0, by installation of six new Superior Cylinder Assemblies, P/N SA52006-A20P, Serial #'s 1612-526000014283; 1612-526000014284; 1612-526000014313; 1612-526000014314, 1612-5260000143145, 1612-526000014316, purchased from Air Power Inc, Arlington, TX

86-13-04 (Cylinder Assemblies Pressure Test): PCW , previously complied with at time of Engine Overhaul on 03 Nov 2022 at Hobbs: 1197.3 & SMOH (Left Engine): 0.0, by installation of six new Superior Cylinder Assemblies, P/N SA52006-A20P, Serial #'s 1612-526000014283; 1612-526000014284; 1612-526000014313; 1612-526000014314, 1612-5260000143145, 1612-526000014316, purchased from Air Power Inc, Arlington, TX.

93-10-02 (Missing Cylinder Valve Retainer Key): PCW , previously complied with at time of Engine Overhaul on 03 Nov 2022 at Hobbs: 1197.3 & SMOH (Left Engine): 0.0, by installation of six new Superior Cylinder Assemblies, P/N SA52006-A20P, Serial #'s 1612-526000014283; 1612-526000014284; 1612-526000014313; 1612-526000014314, 1612-5260000143145, 1612-526000014316, purchased from Air Power Inc, Arlington, TX. Cylinder Key placement was checked at time of installation.

95-03-14 (Engine Mount Bracket Cracks): PCW , previously complied with at time of Engine Overhaul on 03 Nov 2022 at Hobbs: 1197.3 & SMOH (Left Engine): 0.0; checked for cracks, no cracks found. Sanded and painted metal mounts, then installed 4 new rubber support mounts, P/N J-10788-16, Authorized Release Certificate # 81600226, purchased from Herber Aircraft Service, El Segundo CA.

97-26-17 (Airmelt Process Crankshafts): PCW , previously complied with at time of Engine Overhaul on 03 Nov 2022 at Hobbs: 1197.3 & SMOH (Left Engine): 0.0; engine is equipped with a VAR Crankshaft, Serial # 890532, repaired by Aircraft Specialties Services, Authorized Release Certificate #: ASI 174968. AD will become due if crankshaft is removed or changed.

99-19-01 (Crankshaft Cheek Cracks): PCW , previously complied with at time of Engine Overhaul on 03 Nov 2022 at Hobbs: 1197.3 & SMOH (Left Engine): 0.0; engine is equipped with a VAR Crankshaft, Serial # 890532, repaired by Aircraft Specialties Services, Authorized Release Certificate #: ASI 174968.

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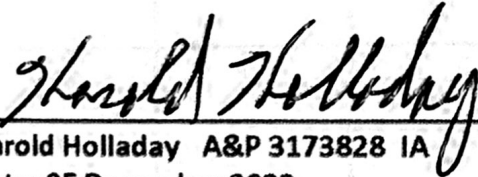
10-11-04 (Hydraulic Lifter Face Wear): PCW , previously complied with at time of Engine Overhaul on 03 Nov 2022 at Hobbs: 1197.3 & SMOH (Left Engine): 0.0, by installation of 12 overhauled Continental Lifters, Authorized Release Certificates: ASI-175051 & ASI-175052.

14-05-29 (SAP Cast Cylinder Assemblies): PCW , previously complied with at time of Engine Overhaul on 03 Nov 2022 at Hobbs: 1197.3 & SMOH (Left Engine): 0.0, by installation of six new Superior Cylinder Assemblies, P/N SA52006-A20P, Serial #'s 1612-526000014283; 1612-526000014284; 1612-526000014313; 1612-526000014314, 1612-5260000143145, 1612-526000014316, purchased from Air Power Inc, Arlington, TX.

22-04-04 (Oil Filter Adapter): CW; Complied with by removal of old Oil Filter Adapter. Replaced with used Teledyne Continental Oil Filter Adapter, P/N 632881, purchased from Enparts, Lancaster, TX, Invoice 00157547.

22-16-03 (S-1200 Series Magneto Roller Bearings): PCW , previously complied with at time of Engine Overhaul on 03 Nov 2022 at Hobbs: 1197.3 & SMOH (Left Engine): 0.0, by installation of 2 overhauled magnetos, Bendix S6RN-1201, P/N 10-349220-5, Serial #: F288910FR and Bendix S6RN-1201, P/N 10-349220-5, Serial # CO29417FR, Overhauled by Aircraft Ignition Services, Honey Grove, TX

I certify that the Left Engine of N71VK has been inspected in reference to an Annual Inspection and is in Airworthy Condition.


Harold Holladay A&P 3173828 IA
Date: 05 December 2022

NCE.