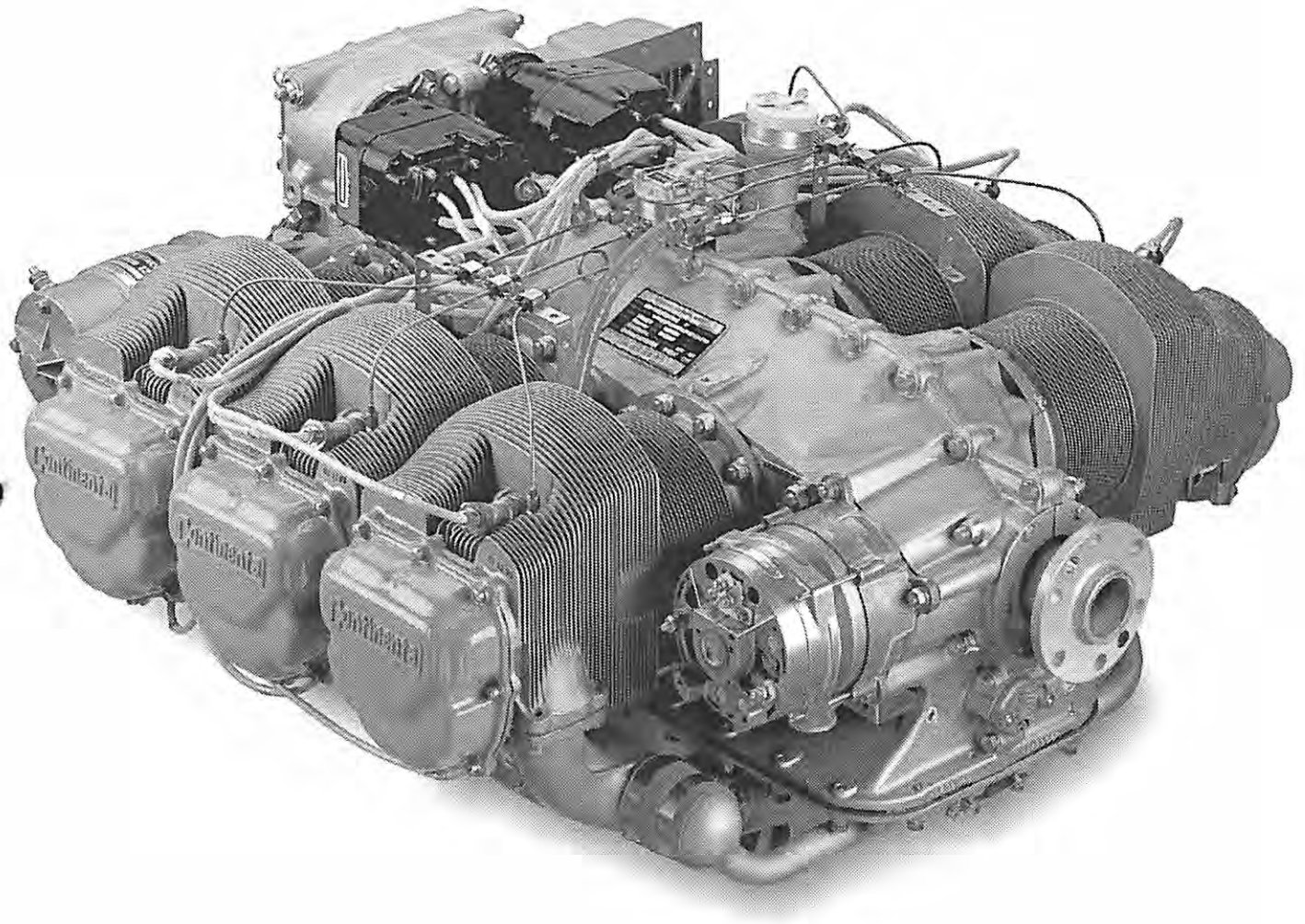
LEFT

# ENGINE LOG BOOK




CONTINENTAL

TM

## Teledyne Continental Motors, Inc.

Form No. ELB-01

wo: WO_429

Engine L · page 1 of 1

1562.4 SNEW ~~SMOH~~

Aero Design Aircraft Services · 14135687300

Date

Brought Forw

rd

ons,

**N7345R** **CONT MOTOR, I0-470 SERIES, S/N: ENGINE-L SN TBD** **March 18, 2023**

TACH:4163.4HRS, DRAINED OIL, CUT OPEN FILTER, INSTALLED NEW AA48108-2 OIL FILTER, SERVICED ENGINE WITH 11 QTS X/C 20W-50

Jared Mancini A&P 4373769 Jared Mancini

wo: WO_494

Engine L · page 1 of 1

Aero Design Aircraft Services · 14135687300

**N7345R** **CONTINENTAL, I0-470-L21, S/N: 298321-R** **September 01, 2023**
TACH: 4190.2

HOBBS: 4190.2HRS, TSN: 1589.2HRS, PERFORMED 500HR MAG INSPECTION ON BOTH MAGS, RETIMED BOTH MAGS TO ENGINE, DRAINED OIL, CUT OPEN FILTER, NO DEFECTS NOTED, INSTALLED NEW AA48108-2 OIL FILTER, SERVICED ENGINE WITH 10QTS VICTORY 20W-50, CHECKED COMPRESSIONS #1) 68 #2) 60 #3) 68 #4) 62 #5) 62 #6) 60, CLEANED AND GAPPED SPARK PLUGS, REPLACED AIR FILTER, GROUND RAN AIRCRAFT AND CHECKED FOR NORMAL OPERATION, ALL ADS CHECKED THROUGH 9/1/2023, INSPECTED THIS ENGINE PER FAR 43 APPENDIX D (100HR INSPECTION), I CERTIFY THIS ENGINE HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.

Jared Mancini A&P 4373769 Jared Mancini

wo: WO_494

Engine L · page 1 of 1

Aero Design Aircraft Services · 14135687300

**N7345R** **CONTINENTAL, IO-470-L21, S/N: 298321-R** **September 01, 2023**
TACH: 4190.2

HOBBS: 4190.2HRS, TSN: 1589.2HRS, ALL ADS CHECKED THROUGH 9/1/2023, INSPECTED THIS ENGINE PER FAR 43 APPENDIX D (ANNUAL/100HR), I CERTIFY THIS ENGINE HAS BEEN DETERMINED TO BE IN AIRWORTHY CONDITION.

Brian Rice IA 3272916 Brian Rice

# ...vice and Maintenance Record

...ions, Airworthiness Directives, Special Inspections,
...ervice Bulletins

N7345R
May 16, 2020 4009.8 hobbs 1408.8 SMOH lt engine

Compressions taken: #1 75, #2 67, #3 70, #4 65, #5 73, #6 71. Spark plugs cleaned and gapped. Mag timing checked. Oil change not due at this time. Installed new air filter element. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA

Michael J Fahey

Sept 28, 2020 4030 Hobbs
Oil and filter changed
(12) Aeroshell 15w50
(1) Tempest AA48108-2.
filter inspected, no
anomolies noted.

Michael J Fahey AP3531709

N7345R TCM IO-470-L21 Left Engine S/N 298321-R
Mar 14, 2021 4059.8 Hobbs

Installed Shadin Company Fuel Flow Transducer IAW instructions provided with unit (see FAA form 337 this date). Ops checked good

Michael J Fahey AP3531709IA

Michael J Fahey

April 11, 2021 Hobbs 4068.0
OIL & FILTER CHANGED
11 QTS Aeroshell 15W50
Tempest AA 48108-2
Filter Insp - Clean
Cody Welch
A&P 3715455592

N7345R TCM IO-470-L21 Left Engine S/N 298321-R
June 6, 2021 4074.7 Hobbs 1473.7 SMOH

Compressions taken: #1 70, #2 68, #3 73, #4 66, #5 73, #6 70. Installed 12 new spark plugs (Champion RHB32E). Mag timing checked. Oil change not due at this time. Installed new air filter element. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA

Michael J Fahey

Sept 3, 2021 Hobbs 4107.5
Oil & FILTER CHANGED
10 QTS aeroshell 15W50
Tempest 48108-2
Filter Insp Clean
Cody Welch
A&P 3715455592
1,506.5 SMOH

# Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

ANNUAL

| Date | Total Time Hrs. | Total Time Min. | Time Since Last Overhaul Hrs. | Time Since Last Overhaul Min. |
|---|---|---|---|---|
| Brought Forward → | | | | |

ENGINE MODEL
ENGINE S/N (L):
REG. NO: N7345R
WORK ORDER: 8723-03-2022

**Kalamazoo Aircraft, Inc.**
Repair Station No. K9AR289N
2729 E Milham Rd
Portage, MI 49002
Phone: (269) 381-0790

DATE: 06/27/2022
A/C TSN: 4524
ENG TT (L): 829.4
HOBBS: 4134.2

**Left Engine Entries**

INSTALLED NEW INBD EXHAUST STACK AND TAILPIPE WITH NEW GASKETS, DRILLED EGT PROBE HOLES, CONNECTED WIRES, RAN, LEAK AND OPS CHECKED GOOD.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this certified repair station.

DATE: 06/27/2022 SIGNED: James R Michalka
Certified Repair Station No. K9AR289N

Work Order: 8723-03-2022
Printed by EBis 3 (datcomedia.com)

Hobbs 4134.8
7-14-22 OIL & FILTER CHANGE
10 QTS AEROSHELL 15W-50
TEMPEST 48108-2 FILTER CK OKAY
Cody Welch 3715455592 A&P

N7345R TCM IO-470-L21 Left Engine S/N 298321-R
Aug 6, 2022 4134.8 Hobbs 1533.8 SMOH

Inspected Engine IAW Beechcraft Baron Shop Manual. Compressions taken: #1 68, #2 60, #3 68, #4 58, #5 72, #6 68. Mag timing checked. Drained engine oil and removed oil filter. Installed new oil filter and added 11 qts Aeroshell 15W50 engine oil. Installed new air filter element. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA

Michael J Fahey

N7345R TCM IO-470-L21 Left Engine S/N 298321-R
Oct 22, 2022 4137.5 Hobbs 1536.5 SMOH

Removed fuel servo (P/N 629770A13, S/N A06GA341R) and re-installed after repair by G&N under work order 75278. Run-up and leak checked, adjusted idle speed and mixture. Above work performed IAW Beechcraft Baron Shop Manual.

Michael J Fahey AP3531709IA Michael J Fahey

| Date | Total Time | | Time Since Last Overhaul | |
|---|---|---|---|---|
| | Hrs. | Min. | Hrs. | Min. |
| Brought Forward → | | | | |
| SEPT 27, 2015 @ 3672.7 Hobbs | | | | |
| Changed oil with 11 qts 15W50 | | | | |
| Installed new Champion 48108 | | | | |
| FILTER LK. CK. OK | | | | |
| Cody Welch 3715545592 A&P | | | | |

## Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

N7345R
Apr 16, 2016 3713.4 hobbs 1112.4 SMOH lt engine

Compressions taken: #1 72, #2 56, #3 72, #4 66, #5 72, #6 70. Spark plugs cleaned and gapped. Mag timing checked. Drained engine oil and removed oil filter. Installed new Champion Ch48108-1 oil filter and added 12 qts Aeroshell 15W50 engine oil. Removed lt exhaust riser and re-installed after repair by Dawley Exhaust. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA

Michael J Fahey

**CONRAD AERO**
**1200 Flight Line Dr. Unit 516 Three Rivers, MI 49093**
**Phone: (269) 279-6000**

N7345R Left Engine

Date: 7-14-16 Hobbs Time: 3751.7
Changed oil 10 qts Aeroshell 15w50, changed oil filter & inspected (no metal), cleaned & gapped spark plugs, Test run & leak checked good.

A&P 3657290 IA

Nov 25, 2016 3793.7 hobbs
Drained engine oil and removed oil filter. Installed new Champion CH48108-1 oil filter and added 12 qts Aeroshell 15w50
Michael J Fahey AP3531709IA



## ce and Maintenance Record

ıs, Airworthiness Directives, Special Inspections, ice Bulletins

N7345R
Apr 1, 2017 3803.9 hobbs 1202.9 SMOH lt engine

Compressions taken: #1 72, #2 46, #3 70, #4 60, #5 76, #6 71. Spark plugs cleaned and gapped. Mag timing checked. Oil drained and (12) qts of Phillips 20W50 Mineral added. Filter not changed. #2 cylinder removed and re-installed after repair by Michigan Aviation (see form 8130-3, Michigan Aviation, dated Feb 23, 2017). Installed new air filter element. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA

May 19, 2017 3821.2 Hobbs
DRAINED ENGINE OIL & CHANGED FILTER (CH48108-1
ADDED 11 QTS AEROSHELL 15W50
LEAK CHECKED OK
Cody Welch A&P 3715545592

SEPT 9, 2017 3852.1 Hobbs
DRAINED ENGINE OIL & CHANGED FILTER (CH48-108)
ADDED 11 QTS AEROSHELL 15W50
LEAK CHECKED OK
Cody Welch A&P 3715545592

N7345R
May 8, 2018 3892.3 hobbs 1291.3 SMOH lt engine

Compressions taken: #1 69, #2 65, #3 72, #4 68, #5 73, #6 70. Spark plugs cleaned and gapped. Mag timing checked. Drained engine oil and removed oil filter. Installed new champion CH48108-1 oil filter and added 12 qts Aeroshell 15W50 engine oil. Installed new air filter element. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA

11-20-18 @ 3,933.7 Hobbs

Changed Oil 11 Qts Aeroshell 15W50
Removed Champion 48108-1 Filter; Cut and Inspected- No Metal.
Installed Tempest 48108-1. Leak Checked OK.

Cody F Welch A&P 371-54-5592

N7345R
Apr 20, 2019 3948.3 hobbs 1347.3 SMOH lt engine

Compressions taken: #1 71, #2 64, #3 74, #4 68, #5 72, #6 68. Spark plugs cleaned and gapped. Mag timing checked. Oil change not due at this time. Installed new air filter element. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA

July 7, 2019 Hobbs 3969.7
Changed oil 11 qts Aeroshell 15W50
Removed filter Cut & Insp. No metal
Installed Champion 48108-1 ops
CK OK Cody Welch A&P 3715545592

JAN 4, 2020 Hobbs 3995.9 DRAIN, changed oil 10 qts 15W50
changed Filter Champ 48108-1 Sent Sample to Blackstone ops CK OK
Cody Welch 3715545592

| Date | Total Time | | Time Since Last Overhaul | | **Engine Service and Maintenance Record** Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|---|---|---|---|---|---|
| | Hrs. | Min. | Hrs. | Min. | |
| Brought Forward → | | | | | |

N7345R
Nov 6, 2013 3484.2 hobbs 883.2 SMOH

Drained engine oil and removed oil filter. Installed new Champion CH48108-1 oil filter and added 10 qts Aeroshell 15W50 engine oil. Replaced lower spark plugs with new.

Michael J Fahey AP3531709IA Michael J Fahey

N7345R
Mar 12, 2014 3516.0 hobbs 915.0 SMOH lt engine

Compressions taken: #1 72, #2 60, #3 75, #4 69, #5 74, #6 73. Spark plugs cleaned and gapped. Mag timing checked. Installed new air filter element. Drained engine oil and removed oil filter. Installed new Champion CH48108-1 oil filter and added 11 qts Aeroshell 15W50 engine oil. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA
Michael J Fahey

AUG 9, 2014 3561.8 Hobbs
Drained oil, Removed FILTERS
Added 11 qts Aeroshell 15W50 plus
installed CH 48108-1 FILTER
Leak check OK Cudy Walsh 371545592 A&P

December 10, 2014 3603.7 Hobbs
DRAINED OIL, Removed FILTER Added
11 QTS Aeroshell 15W 50, Installed new
CH 48108 FILTER Cudy Walsh 371545592 A&P



| Date | Total Time | | Time Since Last Overhaul | | **Engine Service and Maintenance Record** Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|---|---|---|---|---|---|
| | Hrs. | Min. | Hrs. | Min. | |
| Br | | | | | |

N7345R
Mar 25, 2015 3613.0 hobbs 1012.0 SMOH lt engine

Compressions taken: #1 72, #2 68, #3 76, #4 68, #5 72, #6 70. Spark plugs cleaned and gapped. Mag timing checked. Oil and filter not due at this time. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA
Michael J Fahey

June 4 2015 3640.7 hobbs
Starter Removed. Installed overhauled unit provided by
NJN Aircraft. (MHJ4003-L S/N B70973) ops checked
Michael J Fahey AP3531709

Aug 21, 2015 3657.6 hobbs
Vacuum pump Removed. Overhauled unit installed
(4A2Cw, S/N 163662) Core fee $1303, Kapco, dated
3/26/2015) ops checked.
Michael J Fahey AP3531709

**McCLELLAN AIRCRAFT MAINTENANCE, INC.** *4270 Torrey Rd. Flint, MI 48507*

07/06/15 Tach: 3645.4 N7345R Baron LEFT

Removed left engine starter drive adapter and sent to Poplar Grove Airmotive for overhaul, reinstalled unit..
Returned aircraft to service.
----------END----------

William R. Youngs A&P 2896057 I.A.

June 4, 2015 3640.7
Changed oil 11qts
15W50. Installed
New champion 48108
FILTER. Leak CK OK
Cudy Walsh 371545592 A&P

## rvice and Maintenance Record

ections, Airworthiness Directives, Special Inspections, Service Bulletins

N7345R
Feb 2, 2012 3171.8 hobbs 570.8 SMOH lt engine

AD2012-03-06C—DNA- no work performed on fuel servo after May/2010. Compressions taken: #1 76, #2 70, #3 76, #4 68, #5 74, #6 74. Spark plugs cleaned and gapped. Mag timing checked. Oil and filter not due at this time. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA

N7345R
Jan 6, 2012 3165.0 hobbs 564.0 SMOH

Drained engine oil and removed oil filter. Installed new Champion CH48108-1 oil filter and added 12 qts Aeroshell 15W50 engine oil.

Michael J Fahey AP3531709IA

N7345R
Apr 1, 2012 3210.5 hobbs 609.5 SMOH

Drained engine oil and removed oil filter. Installed new Champion CH48108-1 oil filter and added 11 qts Aeroshell 15W50 engine oil.

Michael J Fahey AP3531709IA

**CONRAD AERO**
**1200 Flight Line Dr. Unit 516 Three Rivers, MI 49093**
**Phone: (269) 279-6000**

N7345R
Date: 6-21-2012
Left Engine Log Entry
Model: Cont IO-470
Hobbs Time: 3250.3

Drained oil and removed filter, cut open filter no metal found. Installed new CH48-108-1 filter and put 11qts of Aero Shell 15W50 oil in engine. Ground ran engine no leaks noted. This engine has been worked on IAW the Beechcraft B-55 MM and is deemed airworthy at this time, and is hereby approved for return to service.

A&P 3142013 IA

Hobbs 3317.4 Drained Oil, Removed Filter & replaced with CH48108 + 12 qts Aeroshell 15W50, Leak Check OK
A&P371545592

| Date | Total Time | | Time Since Last Overhaul | |
|---|---|---|---|---|
| | Hrs. | Min. | Hrs. | Min. |
| Brought Forward → | | | | |

## Engine Service and Maintenance Record

Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins

N7345R
Nov 16, 2012 3336.4 hobbs

Cleaned left engine fuel nozzles and FCU finger screen.

Michael J Fahey AP3531709IA

N7345R
Feb 3, 2013 3360.8 hobbs 759.8 SMOH lt engine

Compressions taken: #1 71, #2 68, #3 75, #4 65, #5 75, #6 68. Spark plugs cleaned and gapped. Mag timing checked. Drained engine oil and removed oil filter. Installed new Champion CH48108-1 oil filter and added 12 qts Aeroshell 15W50 engine oil. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA

N7345R
May 15, 2013 3410.1 hobbs 809.10 SMOH

Drained engine oil and removed oil filter. Installed new Champion CH48108-1 oil filter and added 12 qts Aeroshell 15W50 engine oil.

Michael J Fahey AP3531709IA

N7345R
Sept 4, 2013 3447.2 hobbs 846.2 SMOH left

Drained engine oil and removed oil filter. Installed new Champion CH48108-1 oil filter and added 10 qts Aeroshell 15W50 engine oil. Cleaned and gapped spark plugs.

Michael J Fahey AP3531709IA

**BEECH BARON N7345R**

August 4, 2009, s/n TC-1707, 2783.7 HOUR METER:

**Left Engine: drained oil following flight, replaced with 11 quarts Aeroshell 15W50 oil; replaced Champion CH-48108 oil filter, torqued & saftied, test ran for leaks, noting none; the aircraft is approved for return to service.**

**Geoffrey Applegate – Owner, Operator SMEL 550.02.9281**

I CERTIFY that this ENGINE has been inspected in accordance with a ANNUAL inspection, and was determined to be in Airworthy Condition.

MECHANIC Michael K Fahey

A & P 3138625

MICHIGAN AVIATION COMPANY

OAKLAND/PONTIAC AIRPORT, WATERFORD, MICH.

CRS NO. KL2R956K

Time in Service HOBBS 2922.2 TT 321.2

Date of Inspection FEB 9, 2010

PERFORMED ANNUAL INSPECTION I/A/W BEECHCRAFT 95-B55 INSPECTION GUIDE AD 2009-19-07 C2 EFF 10/7/09 EQ3 CYLINDERS D/N/H BY S/N AS PER MSB 09-1 REV B AND NO CYLINDERS REPLACED SINCE REMANUFACTURED. AD 2009-24-52 E EFF 11/18/2009 TCM ENGINES D/N/A ENGINES NOT MANUFACTURED OR REBUILT AFTER 6/19/09 AND NO WIRES HAVE BEEN REPLACED. 1. 72/80 2. 68/80 3. 72/80 4. 66/80 5. 75/80 6. 73/80. CHANGED OIL AND FILTER. SERVICED WITH 12 QTS AEROSHELL 15W50. CUT OPEN OLD FILTER, NO DEFECTS NOTED. OIL SAMPLE TAKEN. REPLACED BRACKETT AIR FILTER ELEMENT. ADJUSTED ALTERNATOR BELT TENSION. PERFORMED ALL ROUTINE MAINTENANCE. RAN ENGINE FOR OPS/LEAK CHECK, FOUND SATISFACTORY. ADS CHECKED THRU BI WEEKLY 2010-02

END

September 8, 2010, s/n TC-1707, 2985.4 HOUR METER: 2975.4 hours

**Left Engine: drained oil following flight, replaced with 11 quarts Aeroshell 15W50 oil; replaced Champion CH-48108 oil filter, torqued & saftied, test ran for leaks, noting none; the aircraft is approved for return to service.**

**Geoffrey Applegate – Owner, Operator SMEL 550.02.9281**

## ...e and Maintenance Record

...Airworthiness Directives, Special Inspections, ...e Bulletins

N7345R
Mar 12, 2011 3014.7 hobbs 413.7 SMOH lt engine

Compressions taken: #1 76, #2 70, #3 76, #4 74, #5 76, #6 74. Spark plugs cleaned and gapped. Mag timing checked. Drained engine oil and removed oil filter. Installed new Champion CH48108-1 oil filter and added 12 qts Aeroshell 15W50 engine oil. Inspected, lubed and ops checked engine controls. I certify that this Engine has been inspected in accordance with an annual inspection and was determined to be in airworthy condition.

Michael J Fahey AP3531709IA

N7345R
June 14, 2011 3055.3 hobbs 4543.0 SMOH 454.3

Drained engine oil and removed oil filter. Installed new Champion CH48108-1 oil filter and added 12 qts Aeroshell 15W50 engine oil.

Michael J Fahey AP3531709IA

ENGINE MODEL:
ENGINE S/N:
REG. NO: N7345R
WORK ORDER:
6530-07-2011

**Kalamazoo Aircraft, Inc.**
Repair Station No. K9AR289N
2729 E Milham Rd.
Kalamazoo, MI 49002
Phone: (269) 381-0790

DATE: 7/19/2011
~~A/C TSN: 3094.0~~
ENG TT:
HOBBS: ~~2601~~ 3075.3
ENG 494.3

**Engine Entries**

REMOVED STARTER ADAPTER, SENT TO POPLAR GROVE FOR OVERHAUL, INSTALLED OVERHAULED STARTER ADAPTER, OPS AND LEAK CHECKED GOOD.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this certified repair station.

DATE: 7/19/2011 SIGNED: James R Michalka Work Order: 6530-07-2011

James R Michalka
Certified Repair Station No. K9AR289N

Printed by EBis 3 (datcomedia.com)

9-15-2011 Hobbs Time: 3,121.1 Changed Oil with 12 Qts Aeroshell 15W50
Replaced Filter with CH48108-1 Cut Filter-No Metal Found
Cody F Welch A&P 371-54-5592

N7345R
Oct 13, 2011 3135.5 Hobbs

Installed new starter (MRB-7000, S/N H-L081469).
Installed 6 new spark plugs in lower position.
Installed cleaned serviceable plugs in upper position.

Michael J Fahey AP3531709

| Date | Total Time Hrs. | Total Time Min. | Time Since Last Overhaul Hrs. | Time Since Last Overhaul Min. | **Engine Service and Maintenance Record** Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|---|---|---|---|---|---|
| Brought Forward | | | | | |

**AIRCRAFT LOGBOOK ENTRY**
**BEECH BARON N7345R**

**November 18, 2006, s/n TC-1707, 2624 HOUR METER**

**Left Engine: drained oil following flight, replaced with 11 quarts Aeroshell 15W50 oil; replaced Champion CH-48108 oil filter, torqued & saftied, test ran for leaks, noting none; the aircraft is approved for return to service.**

**Geoffrey Applegate – Owner, Operator SMEL 550.02.9281**

Continental(Left) IO-470L SER#298321CS-R
December 2, 2006 TACH 2642.2

This date removed starter clutch assembly and replaced with new part# 643259A18 assembly, test ran engine after work performed, all systems check good.
A&P 3036572

**BEECH BARON N7345R**

**May 4, 2007 , s/n TC-1707, 2675.4 HOUR METER:**

**Left Engine: drained oil following flight, replaced with 11 quarts Aeroshell 15W50 oil; replaced Champion CH-48108 oil filter, torqued & saftied, test ran for leaks, noting none; the aircraft is approved for return to service.**

**Geoffrey Applegate – Owner, Operator SMEL 550.02.9281**

**AIRCRAFT LOGBOOK ENTRY**
**BEECH BARON N7345R**

**September 2, 2007 , s/n TC-1707, 2743.4 HOUR METER:**

**Left Engine: drained oil following flight, replaced with 11 quarts Aeroshell 15W50 oil; replaced Champion CH-48108 oil filter, torqued & saftied, test ran for leaks, noting none; the aircraft is approved for return to service.**

**Geoffrey Applegate – Owner, Operator SMEL 550.02.9281**

| Date | Total Time Hrs. | Total Time Min. | Time Since Last Overhaul Hrs. | Time Since Last Overhaul Min. | **Engine Service and Maintenance Record** Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|---|---|---|---|---|---|
| Brought Forward → | | | | | |
| I CERTIFY that this ENGINE has been Inspected in accordance with a ANNUAL Inspection, and was determined to be in Airworthy Condition MECHANIC A & P 3271569 | | | | | PERFORMED A ANNUAL INSP I/A/W BEECH SS LONG FORM. AD 2005-12-06 EFF. 7/19/05 MAG. INPHASE. D.N.A. BY MAKE OF ENGINE COMPRESSIONS. 1) 77/80 2) 77/80 3) 77/80 4) 77/80 5) 69/80 6) 77/80 DID NOT CHANGE OIL OR FILTER ELEMENT DUE TO HAS CLN OIL. REPLACED BRACKET AIR/OIL ELEMENT. ALL ROUTINE MAINT. PERFORMED, ADS CHECKED THRU BI-WEEKLY 200-24. ENGINE RUN FOR OPS/LEAK CHECK. FOUND SATISFACTORY |
| MICHIGAN AVIATION CO. OAKLAND COUNTY INT'L AIRPORT – WATERFORD, MICHIGAN CRS No. KL2R956K | | | | | |
| Time in Service | Hobbs 2753.1 | | TT 1521 | | |
| Date of Inspection | DEC 1 2007 | | | | |
| | | | | | END |

**July 24, 2008, s/n TC-1707, 2794.0 HOUR METER:**

**Left Engine: drained oil following flight, replaced with 11 quarts Aeroshell 15W50 oil; replaced Champion CH-48108 oil filter, torqued & saftied, test ran for leaks, noting none; the aircraft is approved for return to service.**

**Geoffrey Applegate – Owner, Operator SMEL 550.02.9281**

| | | | | | |
|---|---|---|---|---|---|
| I CERTIFY that this ENGINE has been Inspected in accordance with a ANNUM Inspection, and was determined to be in Airworthy Condition MECHANIC A & P 3271569 | | | | | PERFORMED A ANNUM INSP I/A/W BEECH INSP. GUIDE. AD 2007-04-19R1 D.N.A PLANE NOT INST. COMPRESSIONS 1) 78/80 2) 72/80 3) 71/80 4) 70/80 5) 78/80 6) 74/80 CHANGED OIL & FILTER USING 12 QTS AEROSHELL 15W50. OPENED OLD FILTER NO DEBRIS FOUND. ALSO SENT OUT SPARE. REPLACED BRACKET AIR FILTER ELEMENT. INSTALLED E-I HEAT PROB ON SUMP. PERFORMED ALL ROUTINE MAINT. ADS CHECKED THRU BI-WEEKLY 2008-25. RAN ENGINE FOR OPS/LEAK CHECK FOUND SATISFACTORY. |
| MICHIGAN AVIATION CO. OAKLAND COUNTY INT'L AIRPORT – WATERFORD, MICHIGAN CRS No. KL2R956K | | | | | |
| Time in Service | Hobbs 2828.1 | | TT 227.1 | | |
| Date of Inspection | JAN. 1 2009 | | | | |
| | | | | | END |

## Service Information

Service Bulletins and Technical Publications are available on a direct mail basis from the factory. Orders must be prepaid. Send for order form or call 334-438-3411, publications department, for information.

## Engine Returns

All returned engines are to be shipped with this log book Directly to:

**Teledyne Continental Motors**
**Abbeville Industrial Park**
**Suite 159**
**Abbeville, AL 36310**

**USE ONLY FUEL CONFORMING TO ASTM D910**
***USE OF AUTOMOTIVE GAS IS NOT APPROVED.***

**Teledyne Continental Motors, Inc.**
*A Teledyne Technologies Company*
**Printed: 08/04/2006**

**This engine model IO470L21 , Serial No. 298321 - R was manufactured on08/03/2006 by Teledyne Continental Motors in accordance with approved design data and the applicable requirements of Part 21 of the Federal Aviation Regulation. The approved design data for this engine incorporates all changes required by applicable Airworthiness Directives and Teledyne Continental Motors Service Bulletins.**

TCM 19

TELEDYNE CONTINENTAL MOTORS
A TELEDYNE TECHNOLOGIES COMPANY
PRODUCTION CERTIFICATE NO. 508

| Date | Total Time Hrs. | Total Time Min. | Time Since Last Overhaul Hrs. | Time Since Last Overhaul Min. | **Engine Service and Maintenance Record** Installations, Inspections, Airworthiness Directives, Special Inspections, Modifications and Service Bulletins |
|---|---|---|---|---|---|

TTAF: 3694.6 Date: 05 Sep 06
TSMO: 0.0 Model: IO-470 L21 S/N: 298321-R
Hobbs: 2601.0

Installed factory zero time engine, S/N 298321-R on N7345R in left position with:
1. All new engine mounts and bolts.
2. All new integrated fire sleeve hose kits by Precision Hose, Tulsa, OK.
3. Overhauled propeller by H & S Propeller Shop, Waterford, MI.
4. Overhauled propeller governor by Aircraft Systems, Rockford, IL.
5. Overhauled exhaust system by Dawley Aviation, Burlington, WI.
6. New alternator (supplied with engine).

The following items also completed during engine change:
1. Baffles were cleaned, painted and new silicone style seals installed. Replaced left rear baffle with new.
2. Removed engine mount frame, cleaned, removed corrosion, prepped and painted silver.
3. Vacuum pump installed in "as is" condition.
4. Made necessary repairs to air box assembly, including replacement of plastic alternator recess panel and filter cover.

Serviced engine with 12 qts. Aeroshell 100 mineral oil and performed run-up and leak check in accordance with CSB 97-3 and M89-7. All operational and leak checks determined satisfactory.

For Michigan Aviation Repair Station # KL2R956K

Signed: Howard R. Howell

Engine Total Time: 0.0 Date: 05 Sep 06
Total Time A/C: 3694.6 Hobbs: 2601.0

Performed annual inspection on left engine in accordance with Beechcraft Model 55 Inspection Guide and Maintenance Manual following engine installation. Performed all routine maintenance. Aircraft run up for operation and leak check, determined satisfactory. AD's checked thru bi-weekly 2006-16.

----------END----------

I certify that this ~~propeller~~ ENGINE MD. has been inspected in accordance with an annual inspection and determined to be in an airworthy condition.
For Michigan Aviation CRS # KL2R956K

Michael K. Denney A&P 3138695

10-9-06 Hobbs 26203 TSMO 20.3 Changed Points & Condensor in Rt. mag. Set Points per TCM manual. Run up & OPS Check okay. — End — Michael Denney A&P 3736418 76 For Michigan Aviation KL2R956K