

THE
adlogTM

AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**LEFT
ENGINE
MAINTENANCE
RECORDS**



ENGINE MAINTENANCE RECORDS

Log No. 2

Aircraft Registration No. N7048U

Engine Manufacturer Continental

Model IO-470-VO

Serial No. 171209-R

Date installed on aircraft 3/22/1999

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|--|
| <input type="checkbox"/> Right | <input checked="" type="checkbox"/> Left |
| <input type="checkbox"/> Front | <input type="checkbox"/> Rear |



(All applicable information must be filled in)

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SKYLINE
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776 N Bell Ave, Chesterfield, MO
(636) 532-2435

- 1) Removed oil sump plug, drained oil and removed used oil filter. Cut open used filter and inspected contents, no metal noted. Reinstalled drain plug with a new crush gasket, p/n AN900-11. Installed a new CH48108-1 oil filter and serviced engine with 12 qts of Aeroshell 15W-50 oil.
- 2) **Complied with AD96-12-22** by inspecting the oil filter adapter in accordance with AD text, no defects noted. **Next inspection due @ACTT: 3271.1**
- 3) Performed ground run for operations and leak check, no leaks or defects noted.
- 4) **Complied with AD-72-14-08 R1** by inspecting the condition of all flammable fluid-carrying flexible hose assemblies in the engine compartment. **Next inspection due @ ACTT: 3231.1**

[illegible]

LEFT ENGINE

Date: 9/13/2006
Reg: N7048U
Model: IO-470-VO

HOBBS: 401.9
ACTT: 3225.7

S/N: ~~171260-R~~ ^{END}
171209-R

ETT: 986.5

SKYLINE

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776 N Bell Ave, Chesterfield, MO
(636) 532-2435

Performed an **annual inspection** in accordance with FAR 43 Appendix D:

- 1) Removed used oil filter. Cut open used filter and inspected contents, no metal noted. **Installed a new CH48110-1 oil filter.** Oil change was accomplished 8.1 hours before annual inspection, owner refused oil replacement at annual. See log entry dated 6/26/06.
- 2) Complied with **AD 96-12-22** by inspection of the oil filter adapter in accordance with paragraph (b). No evidence of oil leakage, misalignment, or torque putty cracks noted. **Next inspection is due at the next oil filter removal or at ACTT 3275.7 / AC Hobbs 451.9**
- 3) Performed a differential compression check: 1) 60/80, 2) 76/80, 3) 62/80, 4) 72/80, 5) 70/80, 6) 75/80. Master orifice reading was 32/80.
- 4) Removed, cleaned, inspected, and gapped the spark plugs. Rotated and reinstalled the plugs using new gaskets, p/n M-674.
- 5) Performed ground run for operations and leak check, no leaks or defects noted.

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

Rodney D. Getter
Rodney D. Getter
A&P 392782196 IA

LEFT ENGINE

Date: 04/16/2007

HOBBS: 444.8

ETT: 1029.4

Reg: N7048U

ACTT: 3266.6

Model: IO-470-VO

S/N: 171260-R

SKYLINE

AERONAUTICS
776 N Bell Ave, Chesterfield, MO
(636) 532-2435

- 1) Removed oil sump plug, drained oil and removed used oil filter. Cut open used filter and inspected contents, no metal noted. Reinstalled drain plug with a new crush gasket, p/n AN900-11. **Installed a new CH48108-1 oil filter** and serviced engine with 12 qts of Aeroshell 15W-50 oil.
- 2) **Complied with AD96-12-22** by inspecting the oil filter adapter in accordance with AD text Found torque low. Removed adapter and inspected threads. No defects noted. Reinstalled saftied and applied torque stripe. **Next inspection due @ACTT: 3366.6 or next filter change.**
- 3) Performed ground run for operations and leak check, no leaks or defects noted.
- 4) **Complied with AD-72-14-08 R1** by inspecting the condition of all flammable fluid-carrying flexible hose assemblies in the engine compartment. **Next inspection due @ ACTT: 3366.6.**

Jason Green
Jason Green
A&P 2716350

LEFT ENGINE

Date: 11/01/2007

HOBBS: 488.0

ETT: 1072.6

Reg: N7048U

ACTT: 3311.8

Model: IO-470-VO

S/N: 171209-R



Metro Aviation Group

1249 Airport Dr. Sullivan, MO 63080
(314) 267-6782

Performed an **annual inspection** in accordance with FAR 43 Appendix D:

- 1) Removed oil sump plug, drained oil and removed used oil filter. Cut open used filter and inspected contents, no metal noted. Reinstalled drain plug with a new crush gasket, p/n AN900-11. **Installed a new CH48108-1 oil filter** and serviced engine with 10 qts of Aeroshell 15W-50 oil.
- 2) Complied with **AD 96-12-22** by inspection of the oil filter adapter in accordance with paragraph (b). Evidence of torque putty cracks noted and the torque was not within the 50 through 60-foot pound limit. Removed the adapter and filter assembly and inspected the threads of the adapter assembly and engine for signs of damaged or cracked threads; No evidence of thread damage or cracks found. Reinstalled adapter and filter assembly and torqued to 60-foot pound limit. Apply torque putty between the engine filter adapter assembly, nut, and oil pump housing as specified in **Figure 1** of this AD. **Next inspection is due at the next oil filter removal or at ACTT 3361.8 / AC Hobbs 538.0**
- 3) Performed a differential compression check: 1) 60/80, 2) 76/80, 3) 62/80, 4) 72/80, 5) 70/80, 6) 75/80. Master orifice reading was 32/80.
- 4) Removed and replaced 12 ea. RHB32E spark plugs with new due to condition.
- 5) Performed ground run for operations and leak check, no leaks or defects noted.

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

Rodney D. Getter
Rodney D. Getter
A&P 307782106 IA

Date: 7/25/2008, Aircraft: N7048U, Type: 310N, S/N: 310N0171 Hobbs 529.7

ACTT: 3,353.5

Engine

DRMING WORK

Replaced left engine vacuum pump w/new, p/n AA3216CW; s/n N39529. Ops check good.
Re-bushed and shimmed right gear scissors.

The aircraft, engine, propeller, or appliance identified above was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was determined airworthy and approved for return to service. Pertinent details of the repair are on file at this repair station under W/O # 08-37331 dated 7-25-08, signed [Signature]

Indianapolis Aviation, Inc./Indianapolis Metropolitan Airport
9913 Willowview Road, Fishers IN 46038
FAA Approved Repair Station #AIHR-109C

LEFT ENGINE

Date: 11/01/2008

HOBBS: 539.2

ETT: 1123.8

Reg: N7048U

ACTT: 3363.0

Model: IO-470-VO

S/N: 171209-R



Metro Aviation Group

1249 Airport Dr. Sullivan, MO 63080
(314) 267-6782

- 1) Removed oil sump plug, drained oil and removed used oil filter. Cut open used filter and inspected contents, no metal noted. Reinstalled drain plug with a new crush gasket, p/n AN900-11. Installed a new CH48108-1 oil filter and serviced engine with 10 qts of Aeroshell 15W-50 oil.
- 2) Complied with AD 96-12-22 by inspection of the oil filter adapter in accordance with paragraph (b). No evidence of oil leakage, misalignment, or torque putty cracks noted. Next inspection is due at the next oil filter removal or at ACTT 3463.0 / AC Hobbs 639.2
- 3) Performed ground run for operations and leak check, no leaks or defects noted.

[Signature]
Jason D Moellinger
A&P 3121407

LEFT ENGINE

Date: 12/19/2008

HOBBS: 547.3

ETT: 1131.9

Reg: N7048U

ACTT: 3371.1

Model: IO-470-VO

S/N: 171209-R



Metro Aviation Group

1249 Airport Dr. Sullivan, MO 63080
(314) 267-6782

Performed an annual inspection in accordance with FAR 43 Appendix D:

- 1) Per owners request the oil and filter was not changed at this time. See log entry dated 11/01/2008 ACTT: 3363.0 for current oil change information.
- 2) Performed a differential compression check: 1) 75/80, 2) 77/80, 3) 73/80, 4) 72/80, 5) 75/80, 6) 76/80.
- 3) Removed and replaced 1 ea. RHB32E spark plugs with new due to condition.
- 4) Complied with AD 2007-04-19 R1 (effective May 07, 2007), This AD is not applicable per Superior Air Parts, Inc. (SAP), cylinder assemblies, manufactured between April 2005 and November 2005 are not installed. No further action required.
- 5) Performed ground run for operations and leak check, no leaks or defects noted.

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

[Signature]
Rodney D. Getter
A&P 392782196 IA

LEFT ENGINE

Date: 02/15/2008

HOBBS: 518.0

ETT: 1102.6

Reg: N7048U

ACTT: 3341.8

Model: IO-470-VO

S/N: 171209-R



Metro Aviation Group

1249 Airport Dr. Sullivan, MO 63080
(314) 267-6782

- 1) Removed and replaced left alternator drive belt with a new, p/n 539547-31.19.
- 2) Serviced engine with 2 qts of Aeroshell 15W-50 oil.

[Signature]
SCOTT CARPENTER
A&P 451352717

ETT: 1175.7




1249 Airport Dr. Sullivan, MO 63080
(314) 267-6782

- 1) Removed oil sump plug, drained oil and removed used oil filter. Cut open used filter and inspected contents, no metal noted. Reinstalled drain plug with a new crush gasket, p/n AN900-11. Installed a new CH48108-1 oil filter and serviced engine with 10 qts of Aeroshell 15W-50 oil.
- 2) Performed a differential compression check: 1) 50/80, 2) 72/80, 3) 70/80, 4) 73/80, 5) 68/80, 6) 70/80.
- 3) Complied with **AD 96-12-22 (effective July 31, 1996)** by inspection of the oil filter adapter in accordance with paragraph (b). No evidence of oil leakage, misalignment, or torque putty cracks noted. **Next inspection is due at the next oil filter removal or at ACTT 3514.9 / AC Hobbs 691.1.**
- 4) Complied with **AD 2009-19-07C2 (effective October 7, 2009)** per AD does not apply per EQ3 cylinders are not installed. No further action required.
- 5) Complied with **AD 2009-24-52E (effective November 18, 2009)** per AD does not apply by Excluded Engines Par. (f) with in AD. Engine was manufactured or rebuilt before June 19, 2009, and has not had any hydraulic lifters replaced after June 19, 2009. No further action required.
- 6) Removed, cleaned, inspected, and gapped the spark plugs. Rotated and reinstalled the plugs using new gaskets, p/n M-674.
- 7) Performed ground run for operations and leak check, no leaks or defects noted.

Rodney D. Getter
Rodney D. Getter
A&P 392782196 JA

5/28/2011					
Hobbs: 632.9				Removed #1 And #5 Cyls	
Engine TT: 1217.5				and Shipped To Rotor Brake Automotive	
				For Repair (see yellow tag). Installed	
				Repaired #1 and #5 Cyls Per M/M.	
				Cleaned and Gaped all Spark Plugs. Checked	
				MAG. Trimming and adjusted Engine idel speed.	
				Removed and Replaced oil filter, Cut filter,	
				no metal found. Compression Check:	
				#1 O.H. #2 $\frac{80}{72}$ #3 $\frac{80}{70}$ #4 $\frac{80}{72}$	
				#5 O.H. #6 $\frac{80}{70}$	
				Mark Mays AIP 3418738	
8-29	1217.5	632.9		I Certify This engine has	
2011				been inspected in accordance with	
				an Annual inspection and determined	
				to be in an airworthy condition.	
				<i>[Signature]</i> 264739191A	
				SUB-TOTALS this page	
				TOTALS -Carry forward to next page	

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
University of Central Missouri Date: 8/7/2012 Model: IO-470-VO				Left Engine ETT: 1274.9 Hobbs: 690.3
<p>Performed an annual inspection in accordance with FAR 43 Appendix D using Cessna 310N Service Manual Inspection chart as a guideline:</p> <ol style="list-style-type: none"> 1. Performed compression check #1 74/80, #2 75/80, #3 72/80, #4 77/80, #5 75/80, #6 75/80 2. Drained oil, removed oil filter, installed drain plug with new crush gasket P/N MS35769-11, Installed new oil filter CH48108-1 and serviced with 12 qts of Phillips X/C 20W50. Inspected old filter element, no metal noted. 3. Removed, cleaned, inspected and gapped spark plugs. Rotated and reinstalled using new M-674 gaskets. 4. Checked Magneto timing. 5. <u>C/W AD 96-12-22</u> by inspection of Cessna Oil Filter Adapter, no evidence of leaks, misalignment or cracked torque putty. <u>Due again at next filter change.</u> 6. <u>C/W AD 84-26-02</u> by visual inspection of Paper Induction Filter, no defects noted at this time. <u>Next due 8/6/2013 or 3613.5 ACTT.</u> 7. Performed ground run for operation and leak check, no leaks or defects noted. <p>A.D. research check through 2012-15 using ATP Navigator.</p> <p>I certify that this engine has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.</p> <p> Paul Adams University of Central Missouri FAA Repair Station CMXR907C</p>				
				SUB-TOTALS this page
				TOTALS -Carry forward to next page

No. _____

DATE

N# 7048U

DATE 11/8/2013

HOBBS 715.6

E.T.T.. 1300.2

100 HOUR INSPECTION COMPLETED THIS DATE. ALL WORK ACCOMPLISHED IN ACCORDANCE WITH FAR 43. AND ELT CK. I.A.W. FAR 91.207 (d) CHECKED AND CLEANED ALL SCREENS. CLEANED, GAPPED AND TESTED SPARK PLUGS. CHECKED MAGS AND TIMING. SERVICED WITH (12) TWELVE QTS. PHILLIPS #20W50 WT OIL. REPLACED OIL FILTER. REPAIRED ENGINE BAFFLE BEHIND #2 CYLINDER. REPLACED BAFFLE SPRINGS AT #2 CYLINDER. REPOSITIONED ENGINE BREATHER TUBE. CREATED STANDOFF & SECURED LEFT ENGINE THROTTLE & MIXTURE CABLES IN ENGINE COMPARTMENT. REMOVED ENGINE INBOARD EXHAUST--SENT TO AEROSPACE WELDING FOR OVERHAUL--REINSTALLED OVERHAULED EXHAUST, W/O #155625. C.W.A.D. 96-12-22 ENGINE OIL FILTER ADAPTER BY INSPECTION E.D. 07/31/1996. C.W.A.D. 72-14-08 R1 BY INSPECTION OF FLEXIBLE FLUID LINES IN NACELLE. C.W.A.D. 2004-21-05 HEATER DECAY TEST (HEATER HOBBS 673.8) E.D. 11/19/2004. C.W.A.D. 2004-25-16R1 HEATER FUEL SHUT OFF VALVE E.D. 06/20/2005. A.D. CHECK THRU 2013-23. THE END. XXXXXXXXXXXXXXXXXXXXXXXX

3 WORK

#1 70	#2 72	#3 70	#4 74	#5 76	#6 70
80	80	80	80	80	80

COMPRESSION CHECK

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

WORK ORDER # 201300336



REPAIR STATION CMXR907C

N# 7048U

DATE 12/8/2014

HOBBS 739.00

E.T.T.. 1323.6

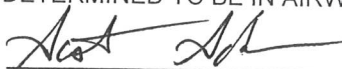
100 HOUR INSPECTION COMPLETED THIS DATE. ALL WORK ACCOMPLISHED IN ACCORDANCE WITH FAR 43. AND ELT CK. I.A.W. FAR 91.207 (d) CHECKED AND CLEANED ALL SCREENS. CLEANED, GAPPED AND TESTED SPARK PLUGS. CHECKED MAGS AND TIMING. REPLACED ENGINE OIL COOLER TO ADAPTER GASKET. SERVICED WITH (12) TWELVE QTS. PHILLIPS #20W50 WT OIL. REPLACED OIL FILTER. A.D. CHECK THRU 2014-25. THE END. XXXXXXXXXXXXXXXX

#1 72	#2 70	#3 75	#4 69	#5 75	#6 68
80	80	80	80	80	80

COMPRESSION CHECK

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

WORK ORDER # 201400528



REPAIR STATION CMXR907C

N# 7048U

DATE 1/7/2016

HOBBS 760.5

E.T.T.. 1345.1

100 HOUR INSPECTION COMPLETED THIS DATE. ALL WORK ACCOMPLISHED IN ACCORDANCE WITH FAR 43. AND ELT CK. I.A.W. FAR 91.207 (d) CHECKED AND CLEANED ALL SCREENS. CLEANED, GAPPED AND TESTED SPARK PLUGS. CHECKED MAGS AND TIMING. REPLACED FUEL MANIFOLD WITH P/N 631351 -10, S/N I244320CR. REPLACED CYLINDER #5 ROCKER BOX COVER GASKET. SERVICED WITH (12) TWELVE QTS. PHILLIPS #20W50 WT OIL. REPLACED OIL FILTER. A.D. CHECK THRU 2016-01. THE END. XXXXXXXXXXXXXXXX

#1 76	#2 74	#3 68	#4 68	#5 71	#6 71
80	80	80	80	80	80

COMPRESSION CHECK

I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

WORK ORDER # 201500572



REPAIR STATION CMXR907C



18600 Edison Ave.
Chesterfield, MO 63005
(636) 536-1341

ORMED—
I PERFORMING WORK

Left Engine

Date: 2/6/2017

Hobbs: 775.1

ETT: 1359.7

Reg: N7048U

ACTT: 3596.9

Model: IO-470-VO

S/N: 171209-R

Performed an Annual inspection in accordance with FAR 43 app. D.

- 1) Drained oil, removed oil filter and opened. Inspected oil filter element, no metal found. Installed new AA48108-1 oil filter, and 12 quarts Phillips 20W50 x/c oil.
- 2) Compressions: 1)76/80 2)75/80 3)76/80 4)78/80 5)74/80 6)76/80
- 3) Removed cleaned and inspected fuel injectors.
- 4) Checked mag to engine timing.
- 5) Removed cleaned gapped and rotated spark plugs.
- 6) C/W AD 96-12-22 - Effective date 7/31/96 by visual inspection of oil filter adapter. No discrepancies noted at this time. Due again at 875.1 hours or next oil filter change.
- 7) AD2016-16-12 Effective date 9/15/2016. Found N/A after researching log book. This engine was not rebuilt at Continental Motors, San Antonio.
- 8) Ran engine for an operational and leak check. No defects noted.

Pertinent details are on file under WO# 17-2271

I certify this engine has been inspected in accordance with an **Annual** inspection per FAR 43 app D. and is approved for return to service.

Daryl Hanus A&P33091461A

Daryl Hanus



18600 Edison Avenue
Chesterfield, MO 63005
(636) 778-4400

Left Engine

Date: 5/8/2018

Registration: N7048U

Aircraft Hobbs: 785.9

Aircraft TT: 3607.7

Model: IO-470-VO

S/N: 171209-R

ETT: 1370.5

TSO: 1370.5

Performed an Annual inspection in accordance with FAR 43 appendix d.:

- 1) C/W AD 96-12-22 - Effective date 7/31/96 by visual inspection of oil filter adapter. No discrepancies noted at this time. Due again at 875.1 hours or next oil filter change.
- 2) Drained oil, removed oil filter and opened. Inspected oil filter element, no metal found. Installed new AA48108-1 oil filter, and 11 quarts Phillips 20W50 x/c oil.
- 3) Compressions: #1 76/80 - #2 70/80 - #3 74/80 - #4 72/80 - #5 70/80 - #6 72/80
- 4) Removed cleaned and inspected fuel injectors.
- 5) Checked mag to engine timing.
- 6) Removed and cleaned all spark plugs. Gapped and installed new P/N RHB32E at bottom #1, #3 & #4 and top #3 & #4. Gapped and reinstalled remaining original plugs.
- 7) Installed new #1 engine Floscan transducer P/N 11-08072.
- 8) Ran engine for an operational and leak check. No defects noted.

Pertinent details reference AD compliance record dated 5/8/18 and work order 18-2506.


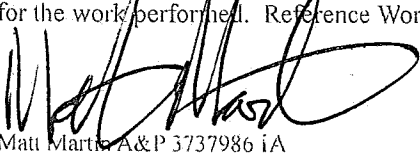
I certify this engine has been inspected in accordance with an **Annual** inspection per FAR 43 appendix d. and is approved for return to service for the work performed.

John J Meyers

John J Meyers A&P 1746048751A

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TOTALS-Carry forward to next page

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
		18600 Edison Avenue Chesterfield, MO 63005 (636) 778-4400			
Left Engine					
Date: 8/7/2019					
Registration: N7048U		S/N: 310N0171		Aircraft Hobbs: 793.3	Aircraft TT: 3615.1
Model: 1O-470-VO		S/N: 171209-R		ETT: 1377.9	TSO: 1377.9
Performed an Annual inspection in accordance with FAR 43 appendix d :					
1) C/W AD 96-12-22 amendment 39-9665 effective date 7/31/96. "oil filter adapter", by visual inspection of oil filter adapter. No discrepancies noted at this time. Next due at 893.3 Hobbs or next oil filter change.					
2) Drained oil. Removed oil filter and cut open. Inspected oil filter element, no metal found. Installed new AA48108-1 oil filter, and 11 quarts Phillips 20W50 x/c oil.					
3) Compressions: #1 78/80, #2 61-80, #3 70/80, #4 70/80, #5 78/80, #6 70/80. Pressure of the day 41.					
4) Removed cleaned and inspected fuel injectors.					
5) Checked mag to engine timing.					
6) Removed and cleaned all spark plugs. Gapped and installed new P/N RHB32E at top #1, #2 & #5. Gapped and reinstalled remaining original plugs.					
7) Ran engine for an operational and leak check. No defects noted.					
This engine was repaired in accordance with the current regulations of the FAA and is approved for return to service for the work performed. Reference Work Order 19-2789.					
 Matt Martin A&P 3737986 iA					
					SUB-TOTALS this page
					TOTALS -Carry forward to next page