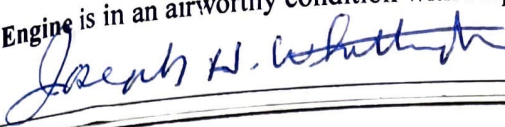
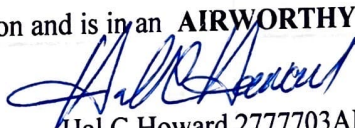
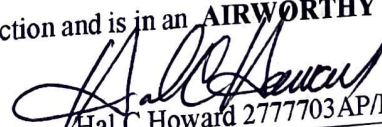


AIRCRAFT TECHNICAL LOGS


Section 1. AIRFRAME

Corvallis Aero Service 5695 SW Airport Place Corvallis, OR. 97333
N308DC DIAMOND DA20-C1 S/N C0358 TACH: 1804.6 DATE: 11/10/2020
Alternator not working, Removed and installed new alternator P/N 887-251, R&R New Drive V Belt P/N 22-24-2412-20-01, Also R&R Propeller
I certify that this Engine is in an airworthy condition with respect to the work performed.
W/O# 20-8457  Joseph H Whittington A&P 3464471


Corvallis Maintenance Service 5695 SW Airport Place Corvallis, OR. 97333
Engine Continental IO-240-B3B S/N 650165 ETT: 3938.3 TSMOH: 1618.9
N308DC DIAMOND DA20-C1 S/N C0358 TACH: 1831.6 AFTT: 3938.3 DATE: 6/30/2021
A 100hr inspection was performed per FAR 43 Appendix D requirements using Manufactures Maintenance Manual checklist as a guide.
Drained and Serviced with 6qts XC 20W50 oil. Installed new AA48108-2 oil filter, filter inspection good.
Cleaned, Inspected, Tested and rotated all spark plugs, no discrepancies noted.
Installed new induction filter, p/n BA-235E. R/R Tanis Heater element #3 cyl, TTP2771-115/50.
Compressions #1 50/80 #2 73/80 #3 73/80 #4 65/80. Minimum compression 46/80 by calibrated orifice per TCM SB M84-15. Cleaned and inspected all fuel injector nozzles. Adjusted timing on Right Mag.
C/W SID97-3C Fuel pressure checks, Adjusted Idle mixture and Idle RPM..
AD's current thru Bi-weekly 2021-13 no new.
Ground run Good.
I certify that this Engine has been inspected IAW a 100 HR Inspection and is in an **AIRWORTHY** condition with respect to the work performed.
W/O# 21-0077  Hal C Howard 2777703AP/IA

Corvallis Maintenance Service LLC 5695 SW Airport Place Corvallis, OR. 97333
Engine Continental IO-240-B3B S/N 650165 ETT: 3970.7 TSMOH: 1651.3
N308DC DIAMOND DA20-C1 S/N C0358 TACH: 1864 AFTT: 3970.7 DATE: 8/19/2022
A 100hr inspection was performed per FAR 43 Appendix D requirements using Manufactures Maintenance Manual checklist as a guide.
Drained and Serviced with 6qts XC 20W50 oil. Installed new AA48108-2 oil filter, filter inspection good.
Cleaned, Inspected, Tested and rotated all spark plugs, no discrepancies noted.
Installed new induction filter, p/n BA-235E.
Compressions #1 62/80 #2 64/80 #3 76/80 #4 67/80. Minimum compression 45/80 by calibrated orifice per TCM SB M84-15.
AD's current thru Bi-weekly 2022-17 no new.
Ground run Good.
I certify that this Engine has been inspected IAW a 100 HR Inspection and is in an **AIRWORTHY** condition with respect to the work performed.
W/O# 22-089  Hal C Howard 2777703AP/IA

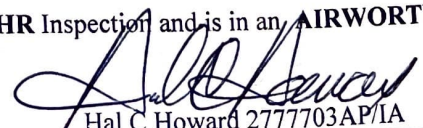
ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD 					

Willamette Aviation Service, LLC	23115 Airport Rd. NE	Aurora, OR 97002
Make: DIAMOND INC	Model: DA 20-C1	Reg. No.: N308DC
Date: 10/03/19	S/N: C0358	Tach Time: 1705.80
Engine Log	Type: IO240B(3)	S/N: 650129
	Total Time: 3812.5	SOH: 1493.1

Complied with a 100 hour inspection IAW 14 CFR Part 43 Appendix D, and by referencing applicable checklists and inspection documents provided in TCM M/M (M-O) change 6 dated 9-30-2018 and TCM Operators Manual (OI-6). Cylinder Compression Check Results: #1 60/80, #2 70/80, #3 78/80, #4 60/80. All compression's within limits. Drained oil and removed oil filter, installed new oil filter P/N AA48108-2 and saftied, serviced engine with 6 quarts of AeroShell 15W50, inspected used oil filter element - no defects noted. Removed spark plugs, inspected, serviced, rotated and reinstalled each with new gasket P/N M-674 with reference to Champion Service Manual V6-R. Checked and adjusted LH and RH magneto timing at 26° BTDC. Performed leak check on exhaust system - no defects noted. Removed Fuel injector nozzles and primer nozzles from engine and cleaned nozzles in ultra sonic cleaner with Hopes #9 solvent. Installed Fuel injector and primer nozzles and torqued to 55 in/lb in accordance with TCM M/M (M-O) Change 6 dated 9-30-2018. Removed #3 Cylinder assembly from aircraft engine in accordance with TCM M/M Chapter 10. (M-O) Change 6 dated 9-30-2018. Installed new #3 cylinder assembly p/n 658601A3BP, s/n AC18KB838 to aircraft engine in accordance with TCM M/M Chapter 10. (M-O) Change 6 dated 9-30-2018. Ground run, ops and leak check good. Checked AD's through biweekly 2019-21, No new AD's apply. I certify that this engine was inspected in accordance with a 100 hour inspection and was determined to be in an airworthy condition as of this date. Stephen J. Griffin A&P 3288434 

Corvallis Aero Service	5695 SW Airport Place	Corvallis, OR. 97333
Engine Continental IO-240B S/N 650165	ETT: 862.9	TSMOH: 1543.63
N308DC Diamond DA20-C1 S/N C0358	TACH: 1756.2	AFTT: 3862.9 DATE: 2/20/2020
Drained and Serviced with 6qts XC 20W50 Oil. Installed new CH48108-1 oil filter, filter inspection good. Ground check good		
I certify that this Engine is in an AIRWORTHY condition with respect to the work performed.		
W/O# 20-8226	Clayton Anderson 4297401AP	

Corvallis Aero Service	5695 SW Airport Place	Corvallis, OR. 97333
Engine Continental IO-240-B3B S/N 650165	ETT: 3899.3	TSMOH: 1579.9
N308DC DIAMOND DA20-C1 S/N C0358	TACH: 1792.6	AFTT: 3899.3 DATE: 5/4/2020
A 100hr inspection was performed per FAR 43 Appendix D requirements using Manufactures Maintenance Manual checklist as a guide.		
Drained and Serviced with 6qts XC 20W50 oil. Installed new CH48108-1 oil filter, filter inspection good.		
Cleaned, Inspected, Tested and rotated all spark plugs, no discrepancies noted.		
Installed new induction filter, p/n BA-235E. 500hr inspection performed on both mags by AEC. Mags were installed, timed to engine and tested good.		
Compressions #1 72/80 #2 74/80 #3 76/80 #4 77/80.		
C/W SID97-3C Fuel pressure checks, Adjusted Unmetered pressure to within limits.		
AD's current thru Bi-weekly 20-09 no new.		
Ground run Good.		
I certify that this Engine has been inspected IAW a 100 HR Inspection and is in an AIRWORTHY condition with respect to the work performed.		
W/O# 20-8297		
 Hal C Howard 2777703AP/IA		

TOTAL TH
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SINCE MFG.

MAINTENANCE RECORD

10

REPAIRS, ADJUSTMENTS, MODIFICATIONS
TRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**

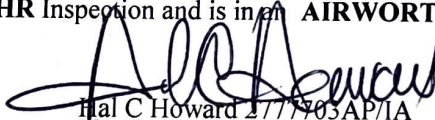
Engine Continental IO-240B S/N 650165 ETT: ~~1606.4~~ 3713.1 TSMOH: 1393.7
N308DC Diamond DA20-C1 S/N C0358 TACH: 1606.4 AFTT: 3713.1 DATE: 7/11/2019

A 100hr inspection was performed per FAR 43 Appendix D requirements using Manufactures Maintenance Manual checklist as a guide.
Drained and Serviced with 6qts A/S 15W50 oil. Installed new CH48108-1 oil filter, filter inspection good.
Cleaned, Inspected, Tested and rotated all spark plugs, no discrepancies noted.
Installed new induction filter, p/n BA-235E.
Compressions #1 63/80 #2 64/80 #3 48/80 #4 45/80. Low compressions on cylinders 3&4 are in specification per TCM SB03-3 using recommended equipment.
C/W SID97-3C Fuel pressure checks, no discrepancies noted.
Ground run Good.

AD's current thru Bi-weekly 19-14 no new.

I certify that this **Engine** has been inspected IAW a **100 HR** Inspection and is in an **AIRWORTHY** condition with respect to the work performed.

W/O# 19-7981


Hal C Howard 2777703AP/IA

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
N 308DC 7-19—2019 engine **Hobbs: 5034.7** **Tach: 1627.8** wo# 19-8025

. removed and replaced pn# 360-086sb ser # 1825 oil pressure sender switch . inop . removed pn# 360-086sb no ser# serviceable unit from N465US / installed on N308DC Ground ran aircraft / no leak,s noted OPS ck,ed correct. I approve that this engine has been repaired in accordance with the continental maintence manual and found to be in airworthy condition / only to the work performed / return to service.

Joel Maloney

A/P 2832715

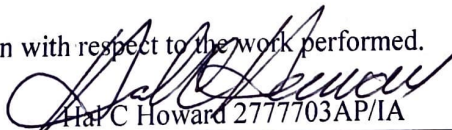
Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**

Engine Continental IO-240B S/N 650165 ETT: 3762.9 TSMOH: 1443.5
N308DC Diamond DA20-C1 S/N C0358 TACH: 1656.2 AFTT: 3762.9 DATE: 8/6/2019

Drained and Serviced with 6qts XC 20W50 Oil. Installed new CH48108-1 oil filter, filter inspection good.


I certify that this **Engine** is in an **AIRWORTHY** condition with respect to the work performed.

W/O# 19-8051


Hal C Howard 2777703AP/IA

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	Corvallis Aero Service	5695 SW Airport Place	Corvallis, OR. 97333
BROUGHT FORWARD	N308DC	OCT 26 2018	W/O 18-7732 hobb,s 4792.1 tack 1457.4
	drained engine oil / serviced with 6 qts A/S 15/50 wt oil / removed/ replaced engine oil filter with new CH 48108-1 . cut filter no metal noted : ops cked correct no leak,s.		
	return to service joel Maloney A/P 2832715 		

Willamette Aviation Service, LLC
Make: DIAMOND INC
Order No.: 81514
S/N: C0358
23115 Airport Rd. NE
Model: DA 20-C1
Tach Time: 1469.80
Aurora, OR 97002
Reg. No.: N308DC
Completed: 12/10/18
TTF:
Removed Oil Pressure Gauge/Sender and replaced with new Oil Pressure Gauge/Sender KIT P/N: 22-7930-10-00,
S/N: RC1901981, (See Authorized Release Certificate dated 05DEC2018), IAW AMM Chapter 79-00, page 207 and
209. Ops Check good. Chuck Hill A&P 3788928

willamette Aviation Service, LLC
 Make: DIAMOND INC
 Date: 03/01/19
Engine Log
 Complied with an Annual Inspection IAW 14 CFR Part 43 Appendix D, and with reference to applicable checklists and inspection documents provided by Continental Motors. Cylinder Compression Check Results: #1 64/80, #2 62/80, #3 62/80, #4 66/80. All compression's within limits. Drained oil and removed oil filter, installed new oil filter P/N AA48108-2 and saftied, serviced engine with 6 quarts of AeroShell 15W50, inspected used oil filter element - no defects noted. Removed spark plugs, inspected, serviced, rotated and reinstalled each with new gasket P/N M-674 with reference to Champion Service Manual V6-R. Checked magneto timing. Checked AD's through Biweekly 2019-04. No new AD's found. I certify that this engine was inspected in accordance with an Annual Inspection and was determined to be in an airworthy condition as of this date. Marvin Coolidge

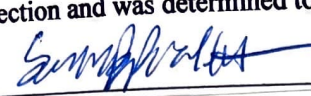
23115 Airport Rd. NE
 Model: DA 20-C1
 S/N: C0358
 Type: IO240B(3)

Aurora, OR 97002
 Reg. No.: N308DC
 Tach Time: 1506.80
 S/N: 650129

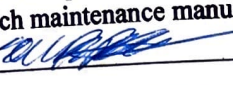
Marvin Coolidge


Corvallis Aero Service 5695 SW Airport Place Corvallis, OR. 97333
Engine Continental IO-240-B3B S/N 650165 ETT: 3661.6 TSMOH: 1342.2
N308DC Diamond DA20-C1 S/N C0358 TACH: 1554.9 AFTT: 3661.6 DATE: 04/12/2019
A 50hr inspection was performed Drained oil Serviced with 6qts Aeroshell 15W50. Installed new
CH48108-1 oil filter. Filter insp. Good.
I certify that this Engine has been inspected IAW a 50 HR Inspection and is in an **AIRWORTHY**
condition with respect to the work performed.
W/O# 19-7867
Hal C Howard 2777703AP/IA


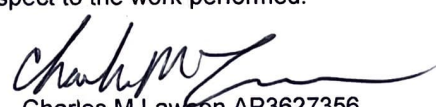
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Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
N:308DC TACH:1210.2 ETT:3316.9 ESMOH:997.5 DATE:4/9/2018
Completed 100-hour Inspection IAW 14 CFR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist guide. Compression #1 75 #2 /75, #3 71 and #4 77. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, No metal seen. Serviced with 6 qts AS 15W50. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Installed new induction filter, p/n BA235E. Checked idle mixture, and fuel pressures IAW TCM SID 97-3E. Next due, 1310.2 tach time. I certify that this Engine has been inspected IAW a 100 Hr Inspection and was determined to be in airworthy condition.
W/O:18-7484  Sam Padgett 3970492 AP

LICENCE
NUMBER

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
N:308DC TACH:1260.2 DATE:5/29/2018
Drained oil, installed new filter part #CH48108-1. Inspected oil filter for metal and none was found. Serviced engine with 6qts of AS15w50 oil. Ran up aircraft and no discrepancies found. Retorqued propeller bolts IAW sesenich maintenance manual, next due at 1310.2 tach time.
W/O:18-7553  Sam Padgett 3970492 AP

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
N:308DC TACH:1308.2 ETT:3414.9 ESMOH:1095.5 DATE:7/9/2018
Completed 100-hour Inspection IAW 14 CFR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist guide. Compression #1 64 #2 66, #3 64 and #4 66. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, No metal seen. Serviced with 6 qts AS 15W50. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Installed new induction filter, p/n BA235E. Checked idle mixture, and fuel pressures IAW TCM SID 97-3E. Next due, 1408.2 tach time. I certify that this Engine has been inspected IAW a 100 Hr Inspection and was determined to be in airworthy condition.
W/O:18-7599  Sam Padgett 3970492 AP

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR 97333**
N:308DC TACH:1357.6 HOBBS:4652.7 DATE: 08/15/2018
Removed and replaced Throttle cable and changed oil and oil filter.
CH48108-1 and 6 qts 15w50 oil. Performed engine run up, no leaks noted.
I certify that this Airframe is airworthy only with respect to the work performed.
Details on file W/O 18- 7646
 
Charles M Lawson AP3627356

Willamette Aviation Service, LLC

23115 Airport Rd. NE

Aurora, OR 97002

Make: DIAMOND INC
Date: 09/25/18

Model: DA 20-C1
S/N: C0358

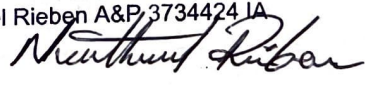
Reg. No.: N308DC
Tach Time: 1408.30

Engine Log

Type: IO240B(3)
Total Time: 3515.0

S/N: 650129
SOH: 1195.6

Complied with an annual inspection inspection IAW FAR 43 Appendix "D" and by referencing applicable checklists and inspection documents provided in TCM M/M (M-0) section 6 dated January 26, 2018 and TCM Operator's Manual OI-6 dated. 10/31/2011. Checked AD's through 9-12-2018. Magneto timing within specification (26° BTDC LEFT)(26° BTDC RIGHT) Cylinder compressions were as follows: #1 (63/80) #2 (69/80) #3 (70/80) #4 (73/80) All compressions within specification. Maximum allowable leakage indicated (42/80) using "ETC model E2M differential compression equipment. Compression checks performed IAW TCM SB03-3. Drained oil, removed and inspected oil filter. No defects noted. Replaced oil filter with new filter P/N (Tempest) AA48108-2. Replenished engine oil with 6 quarts Phillips W100 IAW TCM Operator's Manual (OI-6). Sparkplugs removed, inspected, cleaned, gapped, and tested IAW TCM Operator's Manual (OI-6). I certify this Engine was inspected in accordance with an annual inspection and was determined to be in an Airworthy condition as of this date. Nathanael Rieben A&P 3734424 IA



MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

Corvallis Aero Service**5695 SW Airport Place****Corvallis, OR. 97333**

N 308DC

TACH: 911.5

DATE: 4-12-2017

Installed 2 new Tannis heaters on cyl #4 and #1, in center of cyl head between rocker box covers.
Zip tied wiring and secured with adel clamps.

W/O 17-6997

Andrew Van Hoosen AP 3669691 IA

Corvallis Aero Service**5695 SW Airport Place****Corvallis, OR. 97333**

N308DC

TACH: 959.9

DATE: 5/18/2017

Installed new crankcase breather hose, p/n MIL-H6000-3/4. Drained oil. Installed new oil filter, p/n CH48108-1. Checked filter for metal, none seen. Serviced with 6 qts AS15W50. Ops check good.

W/O 17-7037

Ronald Enck AP 3460446

Corvallis Aero Service**5695 SW Airport Place****Corvallis, OR. 97333**

N308DC

TACH: 1010.6

ETT: 3117.3

SMOH: 797.9

DATE: 6/30/17

Completed 100HR Inspection IAW 14 CFR 43 Appendix D requirements using Diamond DA20-C1 100 Hr checklist as a guide. Compression: Cyl 1) 70/80 Cyl 2) 75/80 Cyl 3) 72/80 Cyl 4) 75/80. Drained oil and removed oil filter, cut and inspected filter for metal, no metal seen. Installed new oil filter p/n CH48108-1 and serviced engine with 5QT A/S W15W-50 oil. Installed 8 new RHM38E spark plugs. Checked magneto timing and found in spec.. Removed and cleaned engine oil pressure relief valve and installed with new gasket p/n AN900-14. Installed engine air filter P/N BA 235E. Cleaned gascolator, no debris found. Completed fuel idle, fuel mixture and fuel pressure inspection i/a/w TCM SID97-3E and found ok, next due tach time of 1110.6 Performed run up and leak check with no leaks found. I certify that this Engine has been inspected IAW a 100 Hr Inspection and was determined to be in airworthy condition.

W/O: 17-7129

Don Lyall AP 3396518

Corvallis Aero Service**5695 SW Airport Place****Corvallis, OR. 97333**

N308DC

TACH: 1060.5

DATE: 7/31/2017

Drained oil. Removed filter and installed new, p/n CH48108-1. Checked filter for metal, none seen. Serviced with 6 qts AS15W50. Ops check good.

W/O: 17-7195

Ronald Enck AP 3460446

Corvallis Aero Service**5695 SW Airport Place****Corvallis, OR. 97333**

N308DC

TACH: 1110.4

ETT: 3217.1

ESMOH: 897.7

DATE: 10/19/2017

Completed 100-hour inspection IAW 14 CFR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist guide. Compression #1 70/80, #2 72/80, #3 72/80, and #4 70/80. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, No metal seen. Serviced with 6 qts AS 15W50. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Removed, cleaned and re-installed oil pressure relief valve. Installed new induction filter, p/n BA235E. Installed new EGT probe, p/n 015-001. Installed new electric fuel pump, p/n 5367-00-1. Checked idle mixture, and fuel pressures IAW TCM SID 97-3E. Adjusted unmetered pressure and mixture rise. Next due 1210.4 tach or 10/31/2018. I certify that this Engine has been inspected IAW a 100 Hr Inspection and was determined to be in airworthy condition.

W/O: 17-7294

Ronald Enck AP3460446IA

Corvallis Aero Service**5695 SW Airport Place****Corvallis, OR. 97333**

N308DC

TACH: 1160.3

DATE: 02/01/2018

Performed 50 hour oil change. Drained oil, changed oil filter installed new filter P/N CH48108-1, serviced oil with 6qt 15 w 50 oil, torqued prop bolts to 31.5 foot pounds, and ran up engine no leaks found at this time.

W/O 18-7420

Chelsea Curry-Olsen AP 4028641

TOTAL THIS PAGE

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PREVIOUS SUMMARYTOTAL
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Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N#: 308DC TACH: 710.9 ETT: 2817.4 ESMOH: 498.2 DATE: 8/26/2016
Completed 100-hour inspection IAW 14 CFR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist guide. Compression #1 72/80, #2 73/80, #3 73/80, and #4 75/80. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, No metal seen. Serviced with 6 qts AS 15W50. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Removed, cleaned and re-installed oil pressure relief valve. Installed new induction filter, p/n BA235E. Installed new starter vibrator, p/n 10-400570-1. Checked idle mixture, and fuel pressures IAW TCM SID 97-3E. Next due 810.9 tach or 8/31/2017. I certify that this Engine has been inspected IAW a 100 Hr Inspection and was determined to be in airworthy condition.
W/O: 15-6151 16-6747 Ronald Enck AP3460446

LICENC
NUMBER

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC TACH: 760.9 DATE: 9/13/2016
Drained oil. Removed filter and installed new, p/n CH48108-1. Checked filter for metal, none seen. Serviced with 6 qts AS15w50. Ops check good.
W/O: 16-6798 Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC TACH: 810.9 ETT: 2917.4 ESMOH: 598.2 DATE: 11-8-2016
Completed Inspection IAW 14 CFR 43 Appendix D requirements using Manufactures Maintenance Manual checklist guide. Compression results:-1) 72/80 2) 72/80 3) 76/80 4) 77/80. Removed, cleaned gapped, inspected, tested sparkplugs and rotated and reinstalled with new gaskets. Drained engine oil and removed and cut and inspected oil filter (no metal found at this time) removed and inspected engine oil suction screen (no metal found at this time), removed, cleaned and inspected oil pressure relief valve, installed with new gasket AN900-14. installed new oil filter PN(ch49108-1) and serviced engine with 6 Qts AS 15W50 oil. Pressurize exhaust system for crack bubble test inspection, no cracks found at this time. Cleaned fuel filter finger screen. Perform 500Hr mag inspection; Remove disassemble and inspect mags Replaced contact breaker points LH main PN(M3637) and retard PN(M3637) RH main PN(3081) and brushes, PN(K3215) installed mags with new gaskets PN(LW12681) Timed mags to specs. Installed new induction air filter PN(Ba235E). Washed down engine and firewall with stodard solvent. Perform run-up and leak check, ops check satisfactory, no leaks noted. I certify that this Engine has been inspected IAW a 100 Hr Inspection and was determined to be in airworthy condition.
W/O: 16-6849 Andrew Van Hoosen AP 3669691 IA

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC TACH: 861.0 DATE: 1/16/2017
Drained oil. Removed filter and installed new, p/n CH48108-1. Checked filter for metal, none seen. Serviced with 6 qts AS15w50. Ops check good.
W/O: 17-6916 Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC TACH: 910.6 ETT: 3017.3 ESMOH: 697.9 DATE: 04/10/2017
Completed Inspection IAW 14 CFR 43 Appendix D requirements using Manufactures Maintenance Manual checklist guide. Compression results:-1)72/80 2)73/80 3)73/80 4)73/80 Removed, cleaned gapped, inspected, tested sparkplugs and rotated and reinstalled with new gaskets. Drained engine oil and removed and cut and inspected oil filter (no metal found at this time) installed new oil filter PN(CH48108) and serviced engine with 5 QT AS15W50 oil. Pressurize exhaust system for crack bubble test inspection, no cracks found at this time. Removed, cleaned and inspected fuel injectors, reinstalled with anti-seize. Cleaned fuel and gascolator. Installed new Tannis heater element PN(2771) in cyl no 2 and moved the other 3 to location between rocker box covers. Installed new oil pressure gauge and sender PN(22-7930-10-00) SN(RC1701893). Installed new up-dated oil pressure relief valve springs, PN(637083) and PN(539619), torque cap to 200 INLB. Timed mags to specs. Washed down engine and firewall with stodard solvent. CW TCM SID97-3C fuel system adjustment and setup by following steps described in CH 21 sec 23-2 a A-M. Perform run-up and leak check, ops check satisfactory, no leaks noted. I certify that this Engine has been inspected IAW a 100 Hr Inspection and was determined to be in airworthy condition.
W/O: 17-6997 Andrew Van Hoosen AP 3669691 IA

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N#: 308DC TACH: 461.8

DATE: 10/15/2015

Drained oil. Changed oil filter, p/n CH48108-1. Checked filter for metal, none seen. Serviced with 6 qts AS15W50. Ops check good.

W/O: 15-6360

Ronald Enck AP 3460446

BRC
FORWARD

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC TACH: 512.0

ETT:2618.5

ESMOH:298.9

DATE: 12/29/15

Completed 100HR Inspection IAW 14 CFR 43 Appendix D requirements using Manufactures Maintenance Manual checklist guide. Compression : Cyl 1)72/80 Cyl 2)75/80 Cyl 3) 78/80 Cyl 4) 78/80. Drained oil and removed oil filter, cut and inspected filter for metal, no metal seen. Installed new oil filter PN(CH48108) and serviced engine with 6QT A/S 15-W50 oil. Removed, cleaned, gapped, inspected tested, and installed sparkplugs with new gaskets, PN(M674). Timed mags to 26 Deg. Removed and cleaned engine oil pressure control valve and installed with new gasket PN(AN900-14) Installed engine air filter P/N BA 235E. Cleaned fuel bowl no debris found. Performed run up and leak check with no leaks found. Completed fuel idle, fuel mixture and fuel pressure inspection IAW TCM SID97-3E and found ok. Next due tach time of 612.0. I certify that this Engine has been inspected IAW a 100 Hr Inspection and was determined to be in airworthy condition.

W/O: 15-6435

Don Lyall
Don Lyall IA3396518

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH: 562.0

DATE: 3-18-2016

Drained oil, checked filter for metal, and found none. Installed CH48108-1 filter and serviced with 5 qts Aeroshell W15-W50. Performed engine run up no leaks noted.

WO:16-6520

Don Lyall
Don Lyall AP3396518

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC TACH: 611.2

AFTT: 2717.7

DATE: 5/24/16

Completed 100 HR Inspection IAW 14 CFR 43 Appendix D requirements using Diamond DA20-C1 100 Hr checklist as a guide Replaced vacuum regulator filter p/n B3-5-1. Serviced brake reservoirs with hydraulic fluid. Inspected fuel bowl and cleaned screen. Adjusted nose wheel castor friction to 11 pounds pull force. Installed new brake linings p/n 066-10600 with rivets 105-00200 in both main wheel brakes. Cleaned, inspected and greased main wheel bearings. Installed new tire p/n 072-312-0 and tube p/n 092-308-0 on left main wheel. Serviced all tires with air. Removed rudder for inspection next due at 811.2 tach time. Tightened alternator belt. Installed p/n 4811-1-1-2 wing root tape on left wing. Completed fuel flow test and fuel system checked ok. Completed aircraft run up all systems performed ok, no fuel or oil leaks noted. I certify that this Aircraft has been inspected IAW and 100 HR Inspection and was determined to be in airworthy condition.

W/O:16-6612

Don Lyall
Don Lyall AP 3396518

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH: 634.8

DATE: 6/22/2016

Checked idle, mixture, and fuel pressures IAW TCM SID 97-3E. Adjusted mixture, idle, and unmetered fuel pressure.

W/O 16-6656

Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH:661.4

DATE:7/20/2016

Drained engine oil, removed oil filter, cut open and inspected oil filter, (no metal found at this time), installed new oil filter PN(CH48108), service engine with 6Quarts of AS 15W50. Performed run-up and leak check. No leaks found and operation normal.

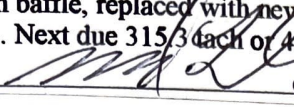
W/O16-6709

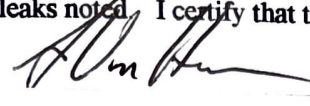
Andrew Van Hoosen
Andrew Van Hoosen AP 3669691 IA


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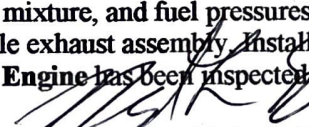
Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
N308DC TACH: 215.3 DATE: 4/1/2014
Removed cowls and inspected after engine break-in flight. No leaks seen. Found loose bolt on alternator and re-torqued. Found missing nut on baffle, replaced with new. Ground ran and set fuel idle mixture, and fuel pressures IAW TCM SID 97-3E. Next due 315.3 tach or 4/1/2016.
W/O 15-6066

Ronald Enck AP 3460446

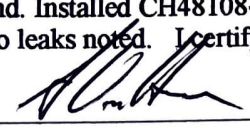
Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
N308DC TACH: 221.8 DATE: 4-10-15
Drained oil, checked filter for metal no metal found. Installed CH48108-1 filter and serviced with 6 qts Aeroshell 80. Performed engine run up no leaks noted. I certify that this engine is airworthy with respect to the work performed.
W/O 15-6069

Andrew Van Hoosen 3669691


Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
N#: 308DC TACH: 237.2 DATE: 5/1/2015
Drained oil. Changed oil filter, p/n CH48108-1. Checked filter for metal, none seen. Serviced with 6 qts AS15W50. Ops check good.
W/O: 15-6095

Ronald Enck AP 3460446

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
N#: 308DC TACH: 291.1 DATE: 6/1/2015
Drained oil. Changed oil filter, p/n CH48108-1. Checked filter for metal, none seen. Serviced with 6 qts AS15W50. Ops check good.
W/O: 15-6127

Ronald Enck AP 3460446

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
N#: 308DC TACH: 312.7 ETT: 2419.2 ESMOH: 100.0 DATE: 7/15/2015
Completed 100-hour inspection IAW 14 CFR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist guide. Compression #1 77/80, #2 78/80, #3 78/80, and #4 76/80. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, No metal seen. Serviced with 6 qts AS 15W50. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Removed, cleaned and re-installed oil pressure relief valve. Installed new induction filter, p/n BA235E. Adjusted right magneto to 26 degrees BTDC. Checked idle mixture, and fuel pressures IAW TCM SID 97-3E. Next due 412.7 tach or 7/15/2016. Installed serviceable exhaust assembly. Installed new o-ring in oil quick drain, p/n MS28778-011. I certify that this Engine has been inspected IAW a 100 Hr Inspection and was determined to be in airworthy condition.
W/O: 15-6151

Ronald Enck AP3460446

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
N308DC TACH: 362.7 DATE: 8-6-15
Drained oil, checked filter for metal no metal found. Installed CH48108-1 filter and serviced with 6 qts Aeroshell W 15W-50. Performed engine run up no leaks noted. I certify that this engine is airworthy with respect to the work performed.
W/O 15-6254

Andrew Van Hoosen 3669691

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
N308DC TACH: 412.4 ETT: 2518.9 ESMOH: 199.3 DATE: 9-17-15
Completed 100HR Inspection IAW 14 CFR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist guide. Compression: Cyl 1 71/80 Cyl 2 71/80 Cyl 3 75/80 Cyl 4 76/80. Drained oil and removed oil filter, cut and inspected filter for metal, no metal seen. Installed new oil filter PN(CH48108) and serviced engine with 6QT AS 15-W50 CC oil. Removed, cleaned, gaped, inspected tested, and installed sparkplugs, new gaskets, PN(M674). Installed engine air filter P/N BA 235E. Cleaned fuel bowl no debris found.
I certify that this Engine has been inspected IAW a 100 Hr Inspection and was determined to be in airworthy condition.
W/O: 15-6305

Andrew Van Hoosen AP 3669691

TACH OR
RECORDING
METER TIME

DESCRIPTION OF WORK PERFORMED

SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK



EAGLE ENGINES

FAA Repair Station NO3R717L

Repair Order: 19137-02-2015

Engine Make: Continental

Serial No.: 650165

Date: 2/25/2015

Engine Model: IO-240-B

Total Time: SMOH: -0-

1. Engine has been Major Overhauled using factory new Continental Motors Inc., Cylinders.
2. This engine has been disassembled, Cleaned, Inspected and Re-assembled in accordance with all applicable FAA Regulations and Manufacturer's current overhaul manual M-6.
3. Crankcase certified by Nickson's Machine Shop, Magneto(s) and Harness by Champion, Sparkplugs by Tempest, Starter by Sky-Tec, Throttle Body, Flow Divider and Fuel Pump by Aircraft Accessories of Oklahoma.
4. The following airworthiness directives have been complied with: None apply at this time.
5. See front of log for A.D. listing details.
6. See rear of log for maintenance releases.
7. Engine test run satisfactory.
8. Engine not installed by Eagle Engines.
9. Nothing follows.



EAGLE ENGINES
REPAIR STATION No. NO3R717L
20208 CHARLANNE DRIVE
REDDING, CA 96002

WORK ACCOMPLISHED: ENGINE OVERHAUL

THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS REPAIRED
AND INSPECTED IN ACCORDANCE WITH CURRENT FEDERAL AVIATION
REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE.
PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS AGENCY UNDER

WORK ORDER # 19137-02-2015

INVOICE # 19137-02-2015 DATED: 02/25/2015

SIGNED  (AUTHORIZED INDIVIDUAL)

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N#: 308DC TACH: 212.7 ETT: 2319.2 ESMOH: 0.0 DATE: 3/31/2015

Engine removed and sent for overhaul. Installed engine IAW Diamond MM Chap. 71-00 after overhaul by Ameritech, WO# 19137-02-2015, with all new fuel and oil hoses, scat tubes, breather hose, new engine mounts and bolts. Serviced engine with 7 quarts of AS80W mineral oil. Installed new right magneto to replace bad one from overhaul, p/n 4309, s/n 14100113. Verified engine timing at 26 degrees BTDC. Pre-oiled engine. Ground ran and set fuel idle mixture, and fuel pressures IAW TCM SID 97-3E. Next due 312.7 tach or 3/31/2016. I certify that this Engine has been inspected IAW a 100 Hr Inspection and is airworthy with respect to the work performed.

W/O: 15-5924

Ronald Enck AP3460446

TOTAL

TOTAL
PREVIOUS

TO
SINCE

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N#: 308DC

TACH: 2098.5

DATE: 6/16/2014

Drained oil. Changed oil filter. Checked filter for metal, none seen. Serviced with 6 qts AS15W50. Ops

check good.

WO: 14-5678

Ronald Enck AP 3460446

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NU

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH: 41.7

ETT: 2148.2

DATE: 7-29-14

Completed Inspection I/A/W FAR 43 Appendix D requirements using Manufactures Maintenance Manual checklist. Compression Test completed: #1) 67/80 #2) 75/80 #3) 54/80 #4) 65/80 Note: prior to staking the valves #3) was 20/80 and #4) 54/80. Drained oil checked filter for metal none noted. Installed new filter p/n CH48108-1. Serviced with W15-50 oil. Removed, cleaned, gapped, tested spark plugs and reinstalled. Removed cleaned and reinstalled fuel injectors. Checked idle mixture and fuel pressures i/a/w TCM SID 97-3E found satisfactory. Installed engine air filter P/N BA 235E. Cleaned fuel bowl no debris found. Cleaned engine with solvent performed run up systems checked ok. I certify that this Engine has been inspected I/A/W a 100 HR Inspection and is airworthy with respect to the work performed. Engine returned to service.

WO#:14-5742

Don Lyall 3396518AP

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N 308DC

TACH: 91.6

DATE: 9-1-14

Drained oil, checked filter for metal, no metal found. Installed CH48108-1 filter and serviced with 6 qts Aeroshell W 15 W-50. Performed engine run up no leaks noted.

WO:14-5817

Don Lyall AP3396518

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH: 141.5

ETT: 2248

SMOH:N/A

DATE: 10-17-14

Completed Inspection I/A/W all applicable sections of FAR 43 Appendix D requirements and Manufactures Maintenance Manual 100Hr Checklist. Compression Test completed: #1)68 /80 #2) 71/80 #3) 67/80 #4)71 /80. Drained oil checked filter for metal no abnormal metal found. Installed new oil filter p/n CH48108 -1 and added 6qts Aeroshell W15-50. Magneto timing checked, found OK. Removed, cleaned, checked, rotated and reinstalled spark plugs. Installed new air filter p/n BA 235. Checked for exhaust leaks. Cleaned engine with solvent. Performed engine run up. No fuel or oil leaks noted. I certify that this Engine has been inspected I/A/W a 100 HR Inspection and is airworthy with respect to the work performed. Engine returned to service.

WO#:14-5846

Andrew Van Hoosen A&P 3669691

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N:308DC

TACH:157.6

DATE: 11/25/14

Remove oil pressure relief valve from engine and clean and inspect. Reinstall with new crush washer PN(AN900-14) and torque to 205 inlb. Run up and confirm proper oil pressure and leak free operation.

I certify that this Aircraft is airworthy with respect to the work performed. Aircraft returned to service.

W/O14-5931

Andrew Van Hoosen AP 3669691

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N 308DC

TACH: 188.7

DATE: 12-30-14

Drained oil, checked filter for metal, and found ok. Installed CH48108-1 filter and serviced with 6 qts Aeroshell W15W-50. Installed serviceable EGT probe p/n 015-001 in #2 exhaust stack Performed engine run up no leaks noted. Systems operated normal.

WO:14-5952

Andrew Van Hoosen AP3669691

MAINTENANCE

5695 SW Airport Place Corvallis, OR. 97333
ETT: 1848.5 ESMOH: N/A DATE: 11/22/2013

Completed 100-hour inspection IAW 14 CFR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist guide. Compression #1 74/80, #2 74/80 #3 42/80 then up to 63/80 after stacking exhaust valve, and #4 73/80. Removed, cleaned, gapped, and re-installed spark plugs with new gaskets, p/n M674. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, found ok. Removed, cleaned and re-installed oil pressure relief valve. Filled with 6 qts AS 15W50. Installed new induction filter, p/n BA235E. **Removed fuel nozzles, cleaned and re-installed. Performed 500 hr inspection on both magnetos.** Installed new distributor block and gear assy, p/n K3822, both magnetos. Installed new contact point kit, p/n M3081 and distributor gear, p/n M3827, in right magneto. Re-installed on engine and timed to 26 degrees BTDC. Checked idle mixture, and fuel pressures IAW TCM SID 97-3E. Adjusted idle mixture and idle RPM. I certify that this **Engine** has been inspected IAW a 100 Hr Inspection and is airworthy with respect to the work performed.

W/O: 13-5416

Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH: 1869.6

DATE: 12/17/2013

Replaced terminals to alternator connector and reassembled connector. Removed cylinder #2 due to sticky exhaust valve. Sent to Premier Aircraft for repair. Re-installed cylinder with new gaskets. Drained oil. Changed oil filter, p/n CH48108-1. Serviced with 6 qts AS80W mineral oil. Removed muffler and sent for repair. Re-installed muffler with new gaskets, p/n 630365, and new nuts, p/n 22022. Run-up and ops check good, no leaks seen.

W/O: 13-5437

Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N#: 308DC

TACH: 1920.3

DATE: 2/3/2014

Drained oil. Changed oil filter. Checked filter for metal, none seen. Serviced with 6 qts AS15W50. Ops check good. Installed winterization kit.

W/O: 14-5504

Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH: 1948.5

ETT: 1948.5

DATE: 3-14-14

Completed Inspection I/A/W FAR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist. Compression Test completed: #1) 75/80 #2) 78/80 #3) 74/80 #4) 73/80 Drained oil checked filter for metal none noted. Installed new filter p/n CH48108-1. Serviced with W20-50 oil. Removed, cleaned, gapped, tested spark plugs and reinstalled. Cleaned fuel bowl no debris found.

I certify that this **Engine** has been inspected I/A/W a 100 HR Inspection and is airworthy with respect to the work performed. Engine returned to service.

WO#: 14-5536

Don Lyall 33965181A

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N#: 308DC

TACH: 1998.8

DATE: 4/16/2014

Drained oil. Changed oil filter, p/n CH48108-1. Checked filter for metal, none seen. Serviced with 6 qts AS15W50. Ops check good. I certify that this **Engine** is airworthy with respect to the work performed.

W/O: 14-5609

Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH: 2048.4

ETT: 2048.4

ESMOH: N/A

DATE: 5/15/2014

Completed 100-hour inspection IAW 14 CFR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist guide. Compression #1 72/80, #2 77/80, #3 71/80, and #4 74/80. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, found ok. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Removed, cleaned and re-installed oil pressure relief valve. Filled with 6 qts AS 15W50. Installed new induction filter, p/n BA235E. Adjusted both magnetos to 26 degrees BTDC. Checked idle mixture, and fuel pressures IAW TCM SID 97-3E. I certify that this **Engine** has been inspected IAW a 100 Hr Inspection and is airworthy with respect to the work performed.

W/O: 14-5635

Ronald Enck AP 3460446

Corvallis, OR.

N#: 308DC

TACH: 1500.0

DATE: 4/29/2013

Corvallis, OR. 97333

Drained oil. Changed oil filter. Checked filter for metal, none seen. Serviced with 6 qts AS15W50. Torqued prop bolts. Ops check good. I certify that this Engine is airworthy with respect to the work performed.

W/O: 13-5052

Ronald Enck AP 3460446

TURE

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N#: 308DC

TACH: 1549.1

ETT: 1549.1

ESMOH: N/A

DATE: 5/24/2013

Completed 100-hour inspection IAW 14 CFR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist guide. Compression #1 72/80, #2 74/80, #3 73/80, and #4 75/80. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, none seen. Removed, cleaned and re-installed oil pressure relief valve. Filled with 6 qts AS 15W50. Installed new induction filter, p/n BA235E. Removed and cleaned fuel nozzles and reinstalled. Removed and repaired weld on muffler. Re-installed with 3 new exhaust stacks, #1 p/n DC0001-2B, #2, p/n DC0001-5B, and #3, p/n DC0001-3B and new gaskets, p/n 630365. Installed new cabin heat scat tube. Cleaned injectors in MEK and re-installed. Checked idle mixture, and fuel pressures IAW TCM SID 97-3E Adjusted idle mixture and idle RPM. I certify that this Engine has been inspected IAW a 100 Hr Inspection and is airworthy with respect to the work performed.

W/O: 13-5081

Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH: 1599.2

DATE: 6-6-13

Drained oil, checked filter for metal no metal found. Installed CH48108-1 filter and serviced with 6 qts Aeroshell W 15W-50. Performed engine run up no leaks noted. I certify that this engine is airworthy with respect to the work performed.

WO 13-5126

Don Lyall AP3396518

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH: 1648.9

ETT: 1648.9

ESMOH: N/A

DATE: 7/19/2013

Completed 100-hour inspection IAW 14 CFR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist guide. Compression #1 72/80, #2 71/80, #3 69/80, and #4 72/80. Installed new spark plugs, p/n RHM38E. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, found ok. Removed, cleaned and re-installed oil pressure relief valve. Filled with 6 qts AS 15W50. Installed new induction filter, p/n BA235E. Checked idle mixture, and fuel pressures IAW TCM SID 97-3E Adjusted idle mixture and idle RPM. I certify that this Engine has been inspected IAW a 100 Hr Inspection and is airworthy with respect to the work performed.

W/O: 13-5193

Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N#: 308DC

TACH: 1698.8

DATE: 8/14/2013

Drained oil. Changed oil filter. Checked filter for metal, none seen. Serviced with 6 qts AS15W50. Ops check good. I certify that this Engine is airworthy with respect to the work performed.

W/O: 13-5248

Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH: 1748.8

ETT: 1748.8

ESMOH: N/A

DATE: 10/3/2013

Completed 100-hour inspection IAW 14 CFR 43 Appendix D requirements using Manufacturers Maintenance Manual checklist guide. Compression #1 74/80, #2 73/80, #3 74/80, and #4 72/80. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, found ok. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Removed, cleaned and re-installed oil pressure relief valve. Filled with 6 qts AS 15W50. Installed new induction filter, p/n BA235E. Adjusted left magneto to 26 degrees BTDC. Checked idle mixture, and fuel pressures IAW TCM SID 97-3E. Adjusted idle RPM. I certify that this Engine has been inspected IAW a 100 Hr Inspection and is airworthy with respect to the work performed.

W/O: 13-5342

Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N#: 308DC

TACH: 1800.1

DATE: 10/21/2013

Torqued prop bolts IAW Doc. W69EK7-CF. Key F. Next due, 1850.1 tach hours.

W/O: 13-5370

Ronald Enck AP 3460446

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		INSTALLATIONS, INSPECTIONS, NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLE
	HRS.	MIN.	HRS.	MIN.	
BROUGHT FORWARD →					(This Entry extend I was using SpT in Log Book see Page 2)
19 APR 11	738.1				Chaff on RH Engine mount member. Verified chaff greater than 10% of the wall thickness.
	TACH				R. Jellison AEP, CA 376748
12-5-12	1341.9				CHANGED ENG. OIL & FILTER. REFILLED WITH AS 15W 50 OIL. CHECKED FILTER FOR METAL. NONE FOUND. Junc. VAC
					AFP262315679

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N#: 308DC

TACH: 1341.4

DATE: 12-27-2012

Tested plugs, no problem seen. Cleaned plugs and re-installed with new gaskets, p/n M674. Cleaned gascolator. No problem seen. Drained 1 quart of fuel, no contamination seen. Checked timing. No problem seen. Checked fuel pressures. Enriched idle mixture and increased idle RPM. Increased high-metered pressure. I certify that this Engine is airworthy with respect to the work performed.

W/O: 12-4877

Ronald Enck AP 3460446

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N#: 308DC

TACH: 1351.3

ETT: 1351.3

ESMOH: N/A

DATE: 1/04/2013

Completed 100-hour inspection IAW 14 CFR 43 Appendix D requirements using Manufactures Maintenance Manual checklist guide. Compression #1 75/80, #2 75/80, #3 67/80, and #4 75/80. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, none seen. Removed, cleaned and re-installed oil pressure relief valve. Filled with 6 qts AS 15W50. Installed new induction filter, p/n BA235E. Removed and cleaned fuel nozzles and reinstalled. Removed both magnetos and performed 500-hour inspection on both. Installed new distributor block and gear assembly, p/n K3822 on right mag. Installed new cotter pin, p/n M2556, left mag. Re-installed and timed to engine. Checked idle mixture, and fuel pressures IAW TCM SID 97-3E. Adjusted idle mixture and idle RPM. Installed new Adel clamps on engine breather tube. I certify that this Engine has been inspected IAW a 100 Hr inspection and is airworthy with respect to the work performed.

W/O: 12-4882

Ronald Enck AP 3460446

Corvallis Aero Service 5695 SW Airport Place Corvallis, OR. 97333

N308DC

TACH: 1401.7

DATE: 3-6-13

.Drained oil, checked filter for metal, found none. Serviced engine with 5 qts A/S 15/W50 and installed CH48108-1 filter. Performed engine run up no leaks noted. I certify that this engine is airworthy with respect to the work performed.

WO#13-4984

Don Lyall AP3396518

Corvallis Aero Service

5695 SW Airport Place

Corvallis, OR. 97333

N308DC

TACH:1449.6

ETT:1449.6

DATE: 4-3-13

Completed Inspection I/A/W FAR 43 Appendix D requirements using Manufactures Maintenance Manual checklist. Compression Test completed: #1) 69/80 #2) 73/80 #3) 59/80 #4)72/80 Drained oil checked filter for metal none noted. Installed new filter p/n CH48108-1 and added 6qts Aeroshell 15W-50. Removed, cleaned, gapped, tested spark plugs and reinstalled Cleaned fuel bowl and reassembled with new gasket p/n ORO 375.

I certify that this Engine has been inspected I/A/W a 100 HR Inspection and is airworthy with respect to the work performed. Engine returned to service.

WO#:13-5017

Don Lyall 3396518IA

TOTAL SINCE

Corvallis Aero Service**5695 SW Airport Place****Corvallis, OR. 97333**

N#: 308DC **TACH:** 1053.7 **ETT:** 1053.7 **ESMOH:** N/A **DATE:** 5/11/12
Completed 100-hour inspection and 1000-hour requirements IAW 14 CFR 43 Appendix D requirements using Manufactures Maintenance Manual checklist guide. Compression #1 73/80, #2 67/80, #3 70/80 after staking, #4 74/80. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, none seen. Filled with 6 qts AS 15W50. Installed new induction filter, p/n BA235E. Removed and cleaned fuel nozzles and reinstalled. Installed new exhaust riser, cylinder #2, p/n DC0001-5B. Installed new exhaust stud, cylinder #2, p/n 402044. Installed new bolt at bottom of alternator, p/n 22-2412-00-01. I certify that this Engine has been inspected IAW a 100 Hr Inspection and is airworthy with respect to the work performed. All applicable AD's thru (2012-08) and all applicable ICA's have been C/W.
W/O: 12-4486

Ronald Enck
Ronald Enck AP 3460446

LICENCE
NUMBER**Corvallis Aero Service****5695 SW Airport Place****Corvallis, OR. 97333**

N#: 308DC **TACH:** 1103.1 **DATE:** 6-8-2012
Changed engine oil and filter, refilled with Aeroshell 15W50 oil. Checked filter for metal none found. I certify that this aircraft is airworthy with respect to the work performed.

WO# 12-4557

Jim Vick
Jim Vick 262315679AP

Corvallis Aero Service**5695 SW Airport Place****Corvallis, OR. 97333**

N#: 308DC **TACH:** 1153.1 **ETT:** 1153.1 **ESMOH:** N/A **DATE:** 7/06/12
Completed 100-hour inspection IAW 14 CFR 43 Appendix D requirements using Manufactures Maintenance Manual checklist guide. Compression #1 74/80, #2 74/80, #3 54/80, and #4 72/80. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, none seen. Filled with 6 qts AS 15W50. Installed new induction filter, p/n BA235E. Removed and cleaned fuel nozzles and reinstalled. Installed new gasket, p/n 655704, on rocker cover, exhaust, #3 cylinder. I certify that this Engine has been inspected IAW a 100 Hr Inspection and is airworthy with respect to the work performed.
W/O: 12-4598

Ronald Enck
Ronald Enck AP 3460446

Corvallis Aero Service**5695 SW Airport Place****Corvallis, OR. 97333**

N#: 308DC **TACH:** 1190.3 **DATE:** 8/6/2012
Removed oil pressure relief valve, cleaned and polished valve and housing, reinstalled with new gasket. Performed engine run up, oil temp and pressure was satisfactory for flight. I certify this engine is airworthy with respect to the work performed.
WO12-4652

Don Lyall
Don Lyall AP 3396518

Corvallis Aero Service**5695 SW Airport Place****Corvallis, OR. 97333**

N#: 308DC **TACH:** 1202.3 **DATE:** 8/10/2012
Drained oil. Changed oil filter. Checked filter for metal, none seen. Serviced with 6 qts AS15W50. Torqued prop bolts. Ops check good. I certify that this Engine is airworthy with respect to the work performed.
W/O: 12-4665

Ronald Enck
Ronald Enck AP 3460446

Corvallis Aero Service**5695 SW Airport Place****Corvallis, OR. 97333**

N#: 308DC **TACH:** 1252.3 **ETT:** 1252.3 **ESMOH:** N/A **DATE:** 9/11/2012
Completed 100-hour inspection IAW 14 CFR 43 Appendix D requirements using Manufactures Maintenance Manual checklist guide. Compression #1 73/80, #2 74/80, #3 68/80, and #4 74/80. Removed, cleaned, gapped, and reinstalled spark plugs with new gaskets. Drained oil, installed new oil filter, p/n CH48108-1. Checked filter for metal, none seen. Filled with 6 qts AS 15W50. Installed new induction filter, p/n BA235E. Removed and cleaned fuel nozzles and reinstalled. Installed new clamp on exhaust expansion joint, p/n DC0001-005. I certify that this Engine has been inspected IAW a 100 Hr Inspection and is airworthy with respect to the work performed.
W/O: 12-4724

Ronald Enck
Ronald Enck AP 3460446

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL		NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE
	HRS.	MIN.	HRS.	MIN.	

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**

N#: N308DC TACH: 855.1 PTT: 855.1 DATE: 7-26-2011
 Completed Inspection IAW all applicable sections of FAR 43 Appendix D requirements using Manufactures Maintenance Manual 100Hr inspection checklist as a guide. Installed neww induction air filter. Cleaned, gapped, tested, rotated and installed spark plugs with new gaskets. Compression Results: 1) 71/80 2) 74/80 3) 70/80 4) 73/80. Installed new alternator bracket. Retimed left magneto to engine. Fuel system set up IAW applicable sections of TCM SID97-3E. Washed down engine, ground ran, ops and leak checked ok. I Certify that this ~~Engine~~ ^{Engine} has been Inspected IAW a 100 HR Inspection and is Airworthy with respect to the work performed. All applicable AD's Thru (2011-14) and all applicable ICA's have been C/W.

Mike B
 Rick Brisby AP3101824IA

W/O 11-4041

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**

N#: 308DC TACH: 903.8 DATE: 8/16/2011
 Drained oil, inspected oil filter, no metal found.. Installed new CH48109-1oil filter and filled with 5 qts AS 15W50. Performed run up engine checked OK.
 I certify that this **Powerplant** is airworthy with respect to the work performed.

Jim Vick
 Jim Vick AP262315679

W/O: 11-4131

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
 N#:308DC TACH: 954.4 ETT: 954.4 SMOH: N/A DATE:12-15-2011

Completed Inspection I/A/W FAR 43 Appendix D requirements. Compression test: 1 75/80 #2) 70/80 #3) 71/80 #4) 70/80.Replaced alternator belt. Changed eng. Oil and filter. Refilled with 5qts. Aeroshell 15W50 oil. Inspected Filter for metal,none found. Cleaned, Gapped, tested plugs and rotated all plugs. C/W TCM SID97-3E dated 6/17/2008. IAW M/M chap. 22 sec.23-2. Replaced battery. C/W 50torque check of prop. Bolts.
 I certify that this **Engine** has been inspected I/A/W a 100 HR Inspection and is airworthy with respect to the work performed. Engine returned to service.

Jim Vick
 Jim Vick 262315679AP

WO#:42-4279

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
 N#308DC TACH: 955.1 DATE:12 /29/2011

Removed and cleaned oil press relief valve, used scotch brite to smooth out surfaces on plunger. Checked oil pressure with external gage. Oil press after warm up checked ok; idle @ 27psi at 1300 and higher gage indicated 55psi. Cleaned engine with solvent. After engine run up no leaks noted. I certify this engine is airworthy with respect to the work performed.

Don Lyall
 Don Lyall AP3396518

WO# 11-4310

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**
 N#308DC TACH: 1004.4 DATE:4 /6/2012
 Drained oil, checked filter for metal, no metal found. Installed new oil filter p/n CH48108-1and added 6qts Aeroshell 15/50. Checked prop torque found ok. Performed engine run up no leaks noted. I certify this engine is airworthy with respect to the work performed.

Don Lyall
 Don Lyall AP3396518

WO# 12-4433

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**

N#308DC **TACH: 753.7** **DATE: 4/28/2011**

Installed new spark plugs p/n RHM38E. Removed both mags and performed 500 Hr inspection i/a/w Slick Service instructions. Installed on each mag: New Dist. Block gear and brush set p/n K3822 and points (p/n M3637two in left mag) and (p/n M3081 Rt mag) . New timing gear p/n M3827 on right mag. Performed test run on each mag. checked ok. Installed and timed to engine. Performed engine run up both mags preformed satisfactory for flight. I certify this engine is airworthy with respect to the work performed.

WO# 11-3902

Don Lyall
Don Lyall AP 3396518

LICENCE
NUMBER

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**

N#:308DC **TACH:755.3** **ETT:755.3** **DATE: 5-6-11**

Completed Inspection I/A/W FAR 43 Appendix D requirements using Manufactures Maintenance Manual checklist. Compression Test completed: #1) 79/80 #2) 77/80 #3) 72/80 #4)77/80 Drained oil checked filter for metal none noted. Installed new filter p/n CH48108-1 and added 5qts Aeroshell W100. Removed fuel injectors cleaned and reinstalled. Cleaned fuel bowl installed with new gasket p/n 462-049. I certify that this **Engine** has been inspected I/A/W a **100 HR** Inspection and is airworthy with respect to the work performed. Engine returned to service.

WO#:11-3926

Don Lyall
Don Lyall 3396518IA

TACH 772.2 5-26-11 CHANGED ENGINE OIL REFILLED
WITH AEROSHELL 15-50 W OIL. Turc VOR APR 262315679

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**

N#: N308DC **TACH: 793.9** **DATE: 6-3-2011**

Removed oil pressure relief valve and checked for obstructions and any particles under valve seat. Checked ok. Installed new oil pressure sender p/n 22-7930-00-04 and oil pressure gauge p/n 22-7930-01-00. Ran engine with calibrated test gauge. Oil pressure checked ok. I Certify that this Aircraft is Airworthy with respect to the work performed.

W/O 11-3972

Rick Brisby
Rick Brisby AP3101824IA

Corvallis Aero Service **5695 SW Airport Place** **Corvallis, OR. 97333**

N#: 308DC **TACH: 608.5** **DATE: 6-9-2011**

Changed engine oil and filter. Inspected filter for metal, none found. Refilled with Aeroshell 15W-50 And filter p/n CH48108-1.. I certify that this aircraft is airworthy with respect to the work performed.

WO# 11-3989

Jim Vick
Jim Vick 262315679AP

DATE	TIME RUN		TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.

**BROUGHT
FORWARD**

N3080c

Tach. 518.2 - Changed oil & filter serviced with 6 qts. Aeroshell 20w50 & replaced oil filter with CH4808-1 filter. Run-up & checked for oil leaks.

3 May 10 Tach 588.0 N308DC
Compression check #1 74/80, #2 78/80, #3 76/80, #4 79/80,
Checked mag timing, changed oil and filter, serviced with 6 qts
15W50 aeroshell and new CH48108-1 filter, cleaned spark plugs,
Engine inspected in accordance with a 100 hour inspection.

Roy Fellows A&P, IA, 3376748

Rozellou

2 Jul 10 Tach 633.2 N308DC

Compression check, #1 74/80, #2 79/80, #3 76/80, #4 79/80, checked mag timing, cleaned spark plugs, inspected muffler, replaced induction air filter pn BA235, changed oil and filter, serviced with 6 qts Aeroshell 15W50, run up and leak check ok, retorqued propeller bolts. Engine Inspected in accordance with a 100 hour inspection.

Roy Fellows A&P, IA, 3376748

Roy Seller

17 Feb 11 Tach 737.0 N308DC

Changed oil and filter. Serviced with 6 qts. Aeroshell 15W50 and new CH48108-1 filter. Run up and leak checked ok.

Roy Fellows A&P, IA, 3376748

Roy Helms

CARRIED FORWARD

TOTAL THIS PAGE

**TOTAL FROM
PREVIOUS SUMMARY**

TOTAL
SINCE MFG.

REPAIRS, ADJUSTMENTS, MODIFICATIONS

ENTRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LIC
NU

21 Sept 09

Tach 434.9

N308DC

Compression check #1 77/80, #2 79/80, #3 77/80, #4 79/80, checked mag timing, cleaned spark plugs, changed oil and filter, serviced with 6 qts Phillips 20W50XC, retorqued propeller bolts, run up and leak check ok, engine inspected in accordance with a 100 hour inspection.

Roy Fellows A&P, IA, 3376748

Roy Fellows

Man For

23 Dec 09

Tach 492.8

N308DC

Compression check #1 76/80, #2 80/80, #3 77/80, #4 17/80, removed #4 cylinder for repair, checked mag timing, cleaned and gapped spark plugs changed oil and filter, serviced with 6 qts Aeroshell 100 mineral oil, run up and leak check ok, engine inspected in accordance with a 100 hour inspection.

Roy Fellows A&P, IA, 3376748

Roy Fellows

ENGINE SERVICE AND

[illegible]

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE INSTALLATIONS, INSPECTIONS,

9 May 08

Tach 171.4

N308DC

Compression check #1 78/80, #2 76/80, #3 79/80, #4 77/80.
Cleaned and gapped spark plugs, cleaned fuel injectors and fuel
screens. Changed oil and filter, serviced with 6 qts Aeroshell
15W50 and new CH48108-1 filter. Inspected exhaust muffler,
run-up and leak check OK. Engine inspected in accordance with
a 100 hr. inspection.

Roy Fellows A&P, IA 275643582

1st Jan 09

N308DC HOBBS 321.4

Changed oil and filter. Serviced with 6 quarts Aeroshell 15W50 and replaced oil filter with CH48108-1. Run-up and checked for oil leaks.

25 SEPT 08

TACH 233.4

N308DC

Changed oil and filter. Serviced with 6 qts Aeroshell 15W50 and new CH48108-1 filter. Run-up and leak check ok.

Roy Fellows A&P, IA 275643582

Rz Jellman

4 Jun 09

Tach 335.0

N308DC

4 Jun 09 Each 335.0 135000
Compression check #1 76/80, #2 80/80, #3 76/80, #4 80/80, checked
mag timing, cleaned spark plugs, cleaned fuel strainer, changed oil
and filter, serviced engine with 8 qts. Aeroshell 15W50 and new
CH48108-1 filter, cleaned fuel injector nozzles. Run up and leak
check ok. Engine inspected in accordance with a 100 hour inspect
tion.

Roy Johnson

Roy Fellows A&P, IA, 3376748

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM
PREVIOUS SUMMARY

TOTAL
SINCE MFG.

MAINTENANCE RECORD

1

REPAIRS, ADJUSTMENTS, MODIFICATIONS
TRIES. DRAW A DIAGONAL LINE THROUGH ANY UNUSED LINES IN DATE AND TIME COLUMNS.

SIGNATURE

LICENCE
NUMBER

DA
Q 42

DA
Q 42

MAXIMUM HOURS BETWEEN OVERHAULS _____ HOURS.

ENGINE SERVICE AND

DATE	TIME RUN		TIME SINCE OVERHAUL	
	HRS.	MIN.	HRS.	MIN.

NOTE: USE BOTH PAGES AND AS MANY LINES AS REQUIRED FOR COMPLETE INSTALLATIONS, INSPECTIONS,

BROUGHT FORWARD



0 0

ENGINE INSTALLED NEW ON DA20-C1

Engine installation inspected I.A.W. Diamond Aircraft Industries DA20-C1 W.I.S. Rev. E

Engine set-up and fuel system adjustment carried out I.A.W. TCM Maintenance Manual X30621A, Section 23.2 and TCM SID97-3C

Engine service with 6 qts. Of Philips 20W50 Type "M" engine oil. Fuel system set-up, ground runs carried out.

Engine break-in I.A.W. TCM Maintenance Manual Section 23-3,

FLIGHT TEST COMPLETED

JAN 20, 2006

2.6

HOURS BROUGHT FORWARD

18May07

Tach 80.8

N308DC

Compression check #1 75/80 #2 75/80 #3 77/80 #4 74/80, changed oil and filter, serviced with 6qts Aeroshell 15W50 and new CH48108-1, cleaned and gapped spark plugs, checked mag timing, replaced induction air filter PN BA235E, run-up and leak check ok, inspected engine in accordance with a 100hr inspection.

Roy Fellows A&P, IA 275643582

Roy Fellows

OCT 7, 2009

6 Nov 07

Tach 129.4

N308DC

Changed oil and filter. Serviced with 6 qts Aeroshell 15W50 and new CH48108-1 filter. Run-up and leak check ok.

Roy Fellows A&P, IA 275643582

Roy Fellows

CARRIED FORWARD

TOTAL THIS PAGE

TOTAL FROM PREVIOUS SUMMARY

TOTAL SINCE MFG.

ENGINE LOG

1. Make

CONTINENTAL

2. Model

IO-240-B

3. Specification

ETSO

4. Manufacturer's Serial
Number

650165

5. Date of Manufacture

6. Aircraft Inspection Cycle

The United States of America
Department of Transportation
Federal Aviation Administration
Washington, D.C.

No. E403575

Export Certificate of Airworthiness

This certifies that the product identified below and more particularly described in Specification (s)¹ of the Federal Aviation Administration, Numbered E-7SO has been examined and as of the date of this certificate, is considered airworthy in accordance with a comprehensive and detailed airworthiness code of the United States Government, and is in compliance with those special requirements of the importing country filed with the United States Government, except as noted below. This certificate in no way attests to compliance with any agreements or contracts between the vendor and purchaser, nor does it constitute authority to operate an aircraft.

Product: Aircraft Engine
Manufacturer: Teledyne Continental Motors
Mobile, Alabama U.S.A.
Model: IO240B
650165
Serial No.:
New ☒ Newly Overhauled ☐ See Note Below
Used Aircraft ☐
Country to which exported: Canada
Exceptions: None



Note: 1. This engine was treated 10/17/05 for one hundred eighty day corrosion protection.

Designated Manufacturing
M. E. Ward Inspection Representative

Signature of Authorized Representative

October 18, 2005

Date

DMIR CE501071

District Office or Designee Number

¹ For complete aircraft, list applicable specification or Type Certificate Data Sheet numbers for the aircraft, engine, and propeller. Applicable specifications or Type Certificate Data Sheet, if not attached to this export certificate, will have been forwarded to the appropriate governmental office of the importing country.