

ENGINE LOG BOOK



DATE

Reg: N9777Y

McClelland Aviation

Date: 2/7/2014

2655 Robert Fowler Way

4376.3

Model: Continental IO-470-N1

San Jose, CA 95148

Tach:

4376.3

SN: CS 96333R

Hobbs:

695.6

TTE: 2167.8 TSMOH: 0.0

Maintenance Record (Engine)

BRT.
FWD.

Installed engine IO-470-N1, S/N CS 96333R on N9777Y after overhaul by Mid Valley Aviation W/O # 3608 see Mid Valley engine overhaul entry for details. Magnetoes, fuel pump, fuel control and spider valve installed by Mid Valley. Installed engine with new with new Lord isolation mounts P/N J7518-2, new mounts bolts and lock nuts. Installed previous exhaust stacks and muffler. Installed vacuum pump with new gasket. Installed generator and adjusted drive belt per specs. Replaced firewall forward flexible fluid carrying hoses with new firesleeved from Aviall W/O # 0014383321. Replaced mixture control rod end at mixture control arm with new. Adjust engine control cables per Beech specs. Installed owner supplied D Shannon engine baffle kit STC SA01165CH, in accordance with D Shannon drawings #D SP-1M97-1 Rev NC dated 05/15/2010. Placed instruction for Continued airworthiness in aircraft records. Test ran and leak checked. Pulled right magneto and reset E gap, installed with new gasket and timed to engine IAW TCM service manual. C/W AD 96-12-22 oil filter adapter assy per instructions next due at filter change. All AD's checked thru 11-24. I certify that this Engine has been inspected in accordance with a 100 Hour/Annual inspection and has been determined to be in airworthy condition

Mike McClelland A&P 3481 3941A

TOTALS

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

Reg: N9777Y

Model: Continental IO-470-N1

SN: C/S 96333R

TTE: 2217.4 TSMOH: 49.6

McClelland Aviation

2655 Robert Fowler Way

San Jose, CA 95148

Date: 10/7/2014

TTA: 4425.9

Tach: 4425.9

Hobbs: 750.8

Maintenance Record (Engine)

Changed oil and oil filter. Inspected oil filter no contaminates found. Cleaned, gapped, tested and rotated all spark plugs. Checked mag timing and found to be within specs. Serviced with phillips 20-50W. C/W AD 96-12-22 oil filter adapter, no defects noted next due at filter change. Test ran and leak checked. Returned to service.


Terry Nguyen A&P2747466

Reg: N9777Y

Model: Continental IO-470-N1

SN: C/S 96333R

TTE: 2259.0 TSMOH: 91.2

McClelland Aviation

2655 Robert Fowler Way

San Jose, CA 95148

Date: 5/15/2015

TTA: 4467.5

Tach: 4467.5

Hobbs: 796.9

Maintenance Record (Engine)

Changed oil and oil filter. inspected oil filter no contaminates found. Compressions (#1) 40/80; (#2) 62/80; (#3) 62/80; (#4) 77/80; (#5) 62/80; (#6) 78/80. Removed cylinders #'s 1,2,3 and 5. Replaced cylinders #1,2,3 and 5 with ECI Serviceable Cerminil with new ECI pistons and ring sets P/N EC 654650 CW, #1 S/N 10585-5, #3 S/N 10585-2 and #5 S/N 10585-1. #2 serviceable chrome with new ECI iron ring set P/N CC106. All work in accordance with TCM overhaul/service manual. Cleaned, gapped, tested and rotated all spark plugs. Tested all high tension leads. Serviced engine with Aeroshell 100 mineral oil. Test ran and leak checked. C/W AD 96-12-22 oil filter adapter assy per instructions next due at filter change. All AD's checked thru 15-09. I certify that this Engine has been inspected in accordance with a 100 Hour inspection and has been determined to be in airworthy condition.


Mike McClelland A&P3481394

Reg: N9777Y

Model: Continental IO-470-N1

SN: C/S 96333R

TTE: 2312.4 TSMOH: 144.6

McClelland Aviation
2655 Robert Fowler Way
San Jose, CA 95148**Maintenance Record (Engine)**

Date: 9/22/2015

TTA: 4520.9

Tach: 4520.9

Hobbs: 851.0

SECTION
RENCE
ATA

Changed oil and oil filter. Inspected oil filter no contaminants found. Cleaned, gapped, tested and rotated all spark plugs. Checked mag timing and found to be within specs. Serviced with phillips 20-50W. C/W AD 96-12-22 oil filter adapter, no defects noted next due at filter change. Test ran and leak checked. Returned to service.

Terry Nguyen
Terry Nguyen A&P2747466

Reg: N9777Y

Model: Continental IO-470-N1

SN: C/S 96333R

TTE: 2359.1 TSMOH: 191.3

McClelland Aviation
2655 Robert Fowler Way
San Jose, CA 95148**Maintenance Record (Engine)**

Date: 7/1/2016

TTA: 4567.6

Tach: 4567.6

Hobbs: 902.9

Changed oil and oil filter. inspected oil filter no contaminants found. Compressions (#1) 77/80; (#2) 68/80; (#3) 76/80; (#4) 75/80; (#5) 77/80; (#6) 72/80. Cleaned, gapped, tested and rotated all spark plugs. Checked magneto timing and set to specs. Tested all high tension leads. Serviced engine with Phillips 20-50W. Test ran and leak checked. C/W AD 96-12-22 oil filter adapter assy per instructions next due at filter change. All AD's checked thru 16-12. I certify that this Engine has been inspected in accordance with an Annual/100 Hour inspection and has been determined to be in airworthy condition

Mike McClelland A&P3481394IA

TOTALS

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

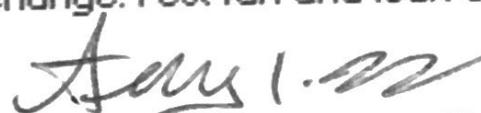
Reg: N9777Y
Model: Continental IO-470-N1
SN: C/S 96333R
TTE: 2415.0 TSMOH: 247.2

McClelland Aviation
2655 Robert Fowler Way
San Jose, CA 95148

Date: 1/4/2017
TTA: 4623.5
Tach: 4623.5
Hobbs: 958.8

Maintenance Record (Engine)

Changed oil and oil filter. Inspected oil filter no contaminants found. Cleaned, gapped, tested and rotated all spark plugs. Checked mag timing and found to be within specs. Serviced with phillips 20-50w. C/W AD 96-12-22 oil filter adapter, no defects noted next due at filter change. Test ran and leak checked. Returned to service.



Terry Nguyen A&P2747466

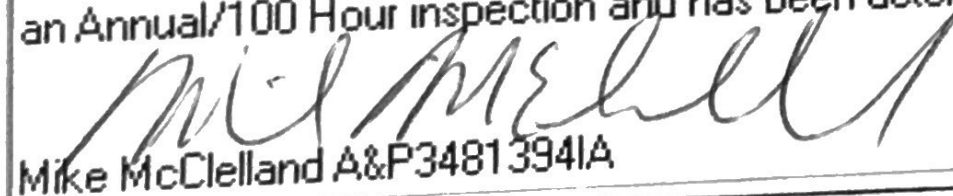
Reg: N9777Y
Model: Continental IO-470-N1
SN: C/S 96333R
TTE: 2462.6 TSMOH: 294.8

McClelland Aviation
2655 Robert Fowler Way
San Jose, CA 95148

Date: 6/2/2017
TTA: 4704.1
Tach: 470.9
Hobbs: 1009.5

Maintenance Record (Engine)

Changed oil and oil filter. inspected oil filter no contaminants found. Compressions (#1) 75/80; (#2) 72/80; (#3) 76/80; (#4) 76/80; (#5) 74/80; (#6) 77/80. Cleaned, gapped, tested and rotated all spark plugs. Checked magneto timing and set to specs. Tested all high tension leads. Serviced engine with Phillips 20-50w. Test ran and leak checked. C/W AD 96-12-22 oil filter adapter assy per instructions next due at filter change. All AD's checked thru 17-11. I certify that this Engine has been inspected in accordance with an Annual/100 Hour inspection and has been determined to be in airworthy condition



Mike McClelland A&P3481394IA

Reg: N9777Y
Model: Continental IO-470-N1
SN: C/S 96333R
TTE: 2513.7 TSMOH: 345.9

McClelland Aviation
2655 Robert Fowler Way
San Jose, CA 95148

Date: 8/23/2017
TTA: 4755.2
Tach: 522.0
Hobbs: 1066.0

SECTION
REFERENCE
DATA

Maintenance Record (Engine)

Changed oil and oil filter. Inspected oil filter no contaminates found. Cleaned, gapped, tested and rotated all spark plugs. Checked mag timing and found to be within specs. Serviced with phillips 20-50W. C/W AD 96-12-22 oil filter adapter, no defects noted next due at filter change. Test ran and leak checked. Returned to service.


Terry Nguyen A&P2747466



Above All Aviation Maintenance
101 Hartley Place
Santa Barbara, CA 93117

Make: BEECH
Order No.: 46761
S/N: D-7160
Engine Log

Model: P35

Tach Time: 556.40
Type: IO470N1B

Reg. No.: N9777Y
Completed: 11/07/17
TTAF:
S/N: CS96333R

Complied with AD 96-12-22 by inspection, checked torque on adapter nut and applied torque putty. installed new CH48109-1 oil filter. performed ground run leak check no discrepancies noted aircraft returned to service.

Ken Lewis 

A&P 3321458

November 7, 2017

END

TOTALS

All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

Reg: N9777Y
Model: Continental IO-470-N1
SN: C/S 96333R
TTE: 2563.5 TSMOH: 395.7

McClelland Aviation
2655 Robert Fowler Way
San Jose, CA 95148

Date: 3/30/2018
TTA: 5222.3
Tach: 571.8
Hobbs: 1122.8

Maintenance Record (Engine)

Changed oil and oil filter. inspected oil filter no contaminates found. Compressions (#1) 77/80; (#2) 62/80; (#3) 76/80; (#4) 74/80; (#5) 75/80; (#6) 76/80. Cleaned, gapped, tested and rotated all spark plugs. Checked magneto timing and set to specs. Tested all high tension leads. Serviced engine with Aeroshell 15-50W. Replaced right hand muffler P/N K701-05 and left hand muffler K701-04 with new from Knisley. Mufflers installed with new hardware. Test ran and leak checked. C/W AD 96-12-22 oil filter adapter assy per instructions next due at filter change. All AD's checked thru 18-06. I certify that this Engine has been inspected in accordance with a 100 Hour inspection and has been determined to be in airworthy condition


Terry Nguyen A&P27427466

Reg: N9777Y
Model: Continental IO-470-N1
SN: C/S 96333R
TTE: 2595.8 TSMOH: 428.0

McClelland Aviation
2655 Robert Fowler Way
San Jose, CA 95148

Date: 7/1/2018
TTA: 5254.6
Tach: 604.1
Hobbs: 1160.0

Maintenance Record (Engine)

Changed oil and oil filter. inspected oil filter no contaminates found. Compressions (#1) 76/80; (#2) 60/80; (#3) 78/80; (#4) 77/80; (#5) 77/80; (#6) 72/80. Cleaned, gapped, tested and rotated all spark plugs. Checked magneto timing and set to specs. Tested all high tension leads. Serviced engine with Phillips 20-50W. Test ran and leak checked. C/W AD 96-12-22 oil filter adapter assy per instructions next due at filter change. All AD's checked thru 18-12. I certify that this Engine has been inspected in accordance with an Annual/100 Hour inspection and has been determined to be in airworthy condition


Mike McClelland A&P3481394IA

Reg: N9777Y
Model: Continental IO-470-N1
SN: C/S 96333R

McClelland Aviation
2655 Robert Fowler Way
San Jose, CA 95148

Date: 5/6/2019
TTA: 5301.7
Tach: 651.2
Hobbs: 1216.1

DATE

BRT.
FWD

TTE: 2642.9 TSMOH: 475.1

Maintenance Record (Engine)

Changed oil and oil filter. Inspected oil filter no contaminants found. Cleaned, gapped, tested and rotated all spark plugs. Checked mag timing and found to be within specs. Serviced with Aeroshell 15-50W. C/W AD 96-12-22 oil filter adapter, no defects noted next due at filter change. Test ran and leak checked. Returned to service.

Terry L. Nguyen

Terry Nguyen A&P2747466

5-24-19	:	:	658:6	REMOVED propeller, exhaust AND Flexible Fuel
	:	:	:	Lines to LIFT ENGINE AND Replace INTAKE tube
	:	:	:	FROM MASS AIR detector to REAR intakes. Reinstalled
	:	:	:	everything per Beech & TCM manuals test ran
	:	:	:	& leak checked, returned to service.
	:	:	:	<i>Terry L. Nguyen</i> A&P 2747466
	:	:	:	
	:	:	:	
	:	:	:	
TOTALS	:	:	:	All repairs, inspections, alterations must be endorsed by a certificated mechanic or repair agency with name, rating and cert. no.

Reg: N9777Y

McClelland Aviation

Date: 7/3/2019

Model: Continental IO-470-N1

2655 Robert Fowler Way

TTA: 5309.1

SN: C/S 96333R

San Jose, CA 95148

Tach: 658.6

TTE: 2650.3 TSMOH: 482.5

Maintenance Record (Engine)

Hobbs: 1224.9

Changed oil and oil filter. inspected oil filter no contaminants found. Compressions (#1) 75/80; (#2) 74/80; (#3) 78/80; (#4) 78/80; (#5) 77/80; (#6) 77/80. Cleaned, gapped, tested and rotated all spark plugs. Checked magneto timing and set to specs. Tested all high tension leads. Serviced engine with Aeroshell 15-50W. Test ran and leak checked. C/W AD 96-12-22 oil filter adapter assy per instructions next due at filter change. All AD's checked thru 19-13. I certify that this Engine has been inspected in accordance with an Annual/100 Hour inspection and has been determined to be in airworthy condition. Returned to service.


Mike McClelland A&P3481394IA

Reg: N9777Y

McClelland Aviation

Date: 8/7/2020

Model: Continental IO-470-N1

2655 Robert Fowler Way

TTA: 5348.6

SN: C/S 96333R

San Jose, CA 95148

Tach: 698.1

TTE: 2689.8 TSMOH: 522.0

Maintenance Record (Engine)

Hobbs: 1272.7

Changed oil and oil filter. inspected oil filter no contaminants found. Compressions (#1) 77/80; (#2) 62/80; (#3) 76/80; (#4) 78/80; (#5) 68/80; (#6) 77/80. Cleaned, gapped, tested and rotated all spark plugs. Checked magneto timing and set to specs. Tested all high tension leads. Serviced engine with Aeroshell 15-50W. Test ran and leak checked. C/W AD 96-12-22 oil filter adapter assy per instructions next due at filter change. All AD's checked thru 20-15. I certify that this Engine has been inspected in accordance with an Annual/100 Hour inspection and has been determined to be in airworthy condition. Returned to service.


Mike McClelland A&P3481394IA

Mid Valley Aviation

1000 Airport Road

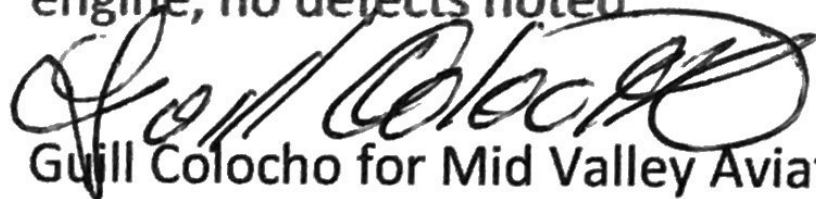
Los Banos, CA. 93635

Tach @ Removal 709.8
Tach @ Installation 709.9
NEED to ADD 11.8 Hrs to TSM & TT

Date 08/12/2021 Engine Model Continental IO470N S/N 96333 TSMH 522.00 TT 2689.8
TSM 533.8 TT 2701.6

Engine repair due to a crack in the crank case.

Disassembled, cleaned, removed the crack case due to a crack on top by cylinder #2 area, installed a serviceable crank case, P/N 642179 inspected the crank case by visual, dimensional and fluorescent liquid penetrant inspection method SE-1209. crank case found in satisfactory condition. Reassembled, the engine with new rod bearings, main bearings, rod bolts and nuts, seals and gaskets, installed a new set of through bolts. installed a overhauled fuel pump P/N 638154-9R S/N 1027704RB, complied with SB 96-10B Installed a O/H starter motor, P/N ES646238-2, S/N H-VO63468, performed a 500 Hrs. Magnetos inspection in accordance with the Slick magnetos O/H manual, installed new contact sets. Magnetos P/N 6310 S/N 12010852, 120110853. Installed new spark plugs. All AD,s has being revised for compliance. test run the engine, no defects noted



Guill Colocho for Mid Valley Aviation A&P level II NDT inspector. 2415314

I certify that this engine has been repaired in accordance with the continental engine overhaul manual instructions, and current F.A.A. regulations and was determined to be in airworthy condition.

Continental IO-470-N

SN-96333
Gail Colocino
A/P 2415314Mid Valley
8/12/2021

AD#	Subject	Amdt #	Eff Date	Recurring
67-31-05	Superseded By 72-20-02			
70-14-07	Fuel Injection Pump Bypass Needle <i>already accomplished</i>	39-2014	11/22/74	
72-20-02	H Type Cylinder Assemblies <i>N/A by cylinder p/w</i>	39-1974	10/02/74	Yes*
79-05-09	Oil Pressure Relief Valve Housing <i>N/A by engine S/N</i>	39-3426	03/12/79	
88-03-06	Oil Filter <i>N/A by oil filter p/w</i>	39-5888	04/15/88	
91-19-03	Collapsed Oil Filter Elements <i>N/A by filter cod</i>	39-8030	09/29/91	
93-10-02	Missing Cylinder Valve Retainer Key <i>all keys installed</i>	39-8603	08/12/93	
94-14-12	Superseded By 95-21-15			
95-21-15	Detonation Due To Low Octane <i>already accomplished</i>	39-9402	11/28/95	
97-15-01	Superseded By 97-21-02			
97-21-02	Side Loading Of Pistons <i>already accomplished</i>	39-10155	10/27/97	
98-01-08	Exhaust Roller Rocker Arms <i>already accomplished</i>	Priority Letter	12/23/97	
98-17-11	Crankshafts Installed by Nelson Balancing Service <i>N/A</i>	39-10713	10/19/98	
99-09-17	Superseded By 99-19-01			
99-19-01	Crankshaft Cheek Cracks <i>N/A by engine S/N</i>	39-11290	09/30/99	
00-08-51	Superseded By 00-23-21			
00-23-21	Crankshaft Connecting Rod Journal Failure <i>N/A by crankshaft p/w</i>	39-11994	12/12/00	
07-04-19 R1	Superior Air Parts Cylinder Assemblies <i>N/A NO Superior Installed</i>	39-15005	05/07/07	
09-19-07	EQ3 Cylinder Head Cracks <i>N/A NO EQ3 cylinder Installed</i>	39-16023	10/07/09	Yes
09-24-51 E	Superseded By 09-24-52 E			
09-24-52 E	Superseded By 10-11-04			
10-11-04	Hydraulic Lifter Face Wear <i>N/A by Hydraulic lifter p/w</i>	39-16309	06/16/10	
12-03-06	AVStar Fuel Servo Diaphragm <i>N/A NO servo Installed</i>	39-16947	02/24/12	
5-16-12	AEC/CMI Cylinder Assemblies <i>N/A NO AEC/CMI cylinder Installed</i>	39-18610	09/15/16	

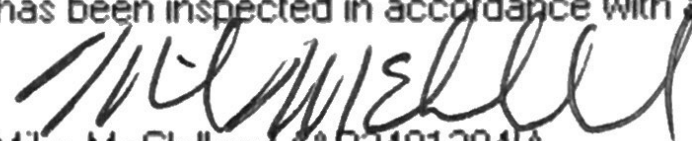
Reg: N9777Y
Model: Continental IO-470-N1
SN: C/S 96333R
TTE: 2701.6 TSMOH: 533.8

McClelland Aviation
2655 Robert Fowler Way
San Jose, CA 95148

Maintenance Record (Engine)

Date: 9/4/2021
TTA: 5360.4
Tach: 709.9
Hobbs: 1287.6

Removed propeller and engine due to crack in engine case. Installed engine after case replacement by Mid Valley Aviation see previous entry for details. Engine baffle seals. Installed propeller governor with new gasket P/N MS9144-01. Installed all previously used accessories not installed by Mid Valley. Compressions (#1) 77/80; (#2) 62/80; (#3) 76/80; (#4) 78/80; (#5) 68/80; (#6) 77/80. Cleaned, gapped, tested and rotated all spark plugs. Magnetos had fresh 500 hour inspection when installed by Mid Valley. Tested all high tension leads. Engine had oil in it from test run. Test ran and leak checked. C/W AD 96-12-22 oil filter adapter assy per instructions next due at filter change. All AD's checked thru 21-17. I certify that this Engine has been inspected in accordance with an Annual/100 Hour inspection and has been determined to be in airworthy condition. Returned to service.


Mike McClelland A&P3481394IA

Reg: N9777Y
Model: Continental IO-470-N1
SN: C/S 96333R
TTE: 2705.4 TSMOH: 537.6

McClelland Aviation
2655 Robert Fowler Way
San Jose, CA 95148

Maintenance Record (Engine)

Date: 12/9/2022
TTA: 5364.2
Tach: 713.7
Hobbs: 1290.2

Changed oil and oil filter. Inspected oil filter no contaminants found. Compressions (#1) 78/80; (#2) 77/80; (#3) 76/80; (#4) 62/80; (#5) 70/80; (#6) 77/80. Cleaned, gapped, tested and rotated all spark plugs. Checked magneto timing and found to be within specs. Tested all high tension leads, no defects noted. Serviced with Aeroshell 15-50W. Solvent washed engine and engine compartment. Test ran and leak checked. C/W AD 96-12-22 oil filter adapter assy per instructions next due at filter change. All AD's checked thru 22-24. I certify that this Engine has been inspected in accordance with an Annual/100 Hour inspection and has been determined to be in airworthy condition. Returned to service.


Mike McClelland A&P3481394IA

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mechanic or repair agency with name, rating and cert. no.