

Section 1: Airframe Log

DATE / /	AIR TIME				LANDINGS / CYCLES	
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL
	HRS	MIN	HOURS	MIN		
CARRIED FORWARD						

DETAILS OF TASK (INSPECTION, REPAIRS & REP

Logbook Entry

Date: May 16, 2020
 Make: Cessna
 Model: 172M
 S/N: 17262816

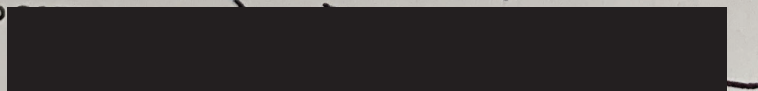
Reg: N13520
 Tach: 6367.4
 TTAF: 8527.4

Accomplished a 100 hour inspection of this aircraft in accordance with FAR 43 appendix D, opened inspection panels and inspected structure and skin, lubricated airframe using the Cessna MM as a guide, replaced vacuum regulator filter with part number **B3-5-1**, serviced and charged aircraft battery, repaired landing light wire, tested ELT in accordance with FAR 91.207(d) battery due replacement by **JUN/2021**. Aircraft registration current through **SEP/2022**. See AD compliance documents. Accomplished the following AD's:

AD 11-10-09 Seat Track Wear And Pin Engagement/ Next due at 6467.4 tach or MAY/2021
AD 76-07-12 Ignition Switches/ Next due at 6467.4 tach

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

David Birgmann A&P



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AD 11-10-09 Seat Track Wear And Pin Engagement
AD 76-07-12 Ignition Switches/ Next due at 6467.4 tach

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

David Birgmann A&P [REDACTED]

Logbook Entry

Date: May 16, 2020
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 6367.4
TTAF: 8527.4

With reference to Supplemental Inspection Document and Corrosion Prevention and Control Program
Accomplished the required inspections based on time intervals specified in SID. Inspection No. 1, 5, 6, 8,
9, 15, 17, 22, 24, 25 and 27.

David Birgmann [REDACTED]

Logbook Entry

Date: March 28, 2020
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 6279.7
TTAF: 8439.7

Accomplished a 100 hour inspection of this aircraft in accordance with FAR 43 appendix D, opened inspection panels and inspected structure and skin, lubricated airframe using the Cessna MM as a guide, replaced vacuum regulator filter with part number **B3-5-1**, serviced and charged aircraft battery, replaced right main tire, replaced left and right brake linings with "**Cleveland**" part number **66-30026**, bled brake system, replaced left and right wing flap rollers with **McFarlane FAA/PMA approved kit number FLP-KT-2U** in accordance with the Cessna Service Manual and Cessna single engine service bulletin SEB95-3 Revision 1, operated flaps through full travel with no discrepancies noted. Tested ELT in accordance with FAR 91.207(d) battery due replacement by **JUN/2021**. Aircraft registration current through **SEP/2022**. See AD compliance documents. Accomplished the following AD's:

AD 11-10-09 Seat Track Wear And Pin Engagement/ Next due at 6379.7 tach or MAR/2021
AD 76-07-12 Ignition Switches/ Next due at 6379.7 tach

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

David Birgmann A& [REDACTED] I/A
[REDACTED]

Airframe Maintenance
Release or 8130-3

Logbook Entry

Date: March 28, 2020
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 66279.7
TTAF: 8439.7

With reference to Supplemental Inspection Document and Corrosion Prevention and Control Program
Accomplished the required inspections based on time intervals specified in SID. Inspection No. 1, 25 and 27.

David Birgmann A [REDACTED] I/A
[REDACTED]

Engine Logs

Logbook Entry

Date: February 1, 2020
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 6195.6
TTAF: 8355.6

Accomplished a 100 hour inspection of this aircraft in accordance with FAR 43 appendix D, opened inspection panels and inspected structure and skin, lubricated airframe using the Cessna MM as a guide, replaced vacuum regulator filter with part number **B3-5-1**, serviced and charged aircraft battery, replaced left and right wing flap wear/café buttons, replaced left and right fuel quantity transmitters with McFarlane FAA/PMA approved part number **MC0523557-1** in accordance with the Cessna Service Manual, transmitters were validated full, half and empty indications. Tested ELT in accordance with FAR 91.207(d) battery due replacement by **JUN/2021**. Aircraft registration current through **SEP/2019**. See AD compliance documents. Accomplished the following AD's:

AD 11-10-09 Seat Track Wear And Pin Engagement/ Next due at 6295.6 tach or FEB/2021
AD 76-07-12 Ignition Switches/ Next due at 6295.6 tach

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

David Birgmann A&P [REDACTED] I/A
[REDACTED]

Date: February 1, 2020
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 6195.6
TTAF: 8355.6

With reference to Supplemental Inspection Document and Corrosion Prevention and Control Program
Accomplished the required inspections based on time intervals specified in SID. Inspection No. 1, 2, 3, 4, 6 and 25.

David Birgmann A&P [REDACTED] I/A
[REDACTED]

Date: February 1, 2020
Make: Cessna
Model: 172M
S/N: 17262816

With reference to Supplemental Inspection Document and Corrosion Prevention and Control Program
Accomplished the required inspections based on time intervals specified in SID. Inspection No. 1, 2, 3, 4,
6 and 25.

David Birgmann A&P [REDACTED] I/A
[REDACTED]

N13520
Cessna
Tach: 6227.4

Airframe Logbook Entry
172M

Feb 19, 2020
s/n 17262816

Pilot report – Brakes inop. Inspected and found left brake has no pedal pressure. Found fluid low and air entered the system. Serviced both master cylinders with 5606 brake fluid and bleed brakes. Performed operational check satisfactory.

Bryan Tutt AP/IA [REDACTED]
Central American Airways Flying Service, Inc.

PAGE
TOTALS

CARRY FORWARD to Top of Next Page

Logbook Entry

Date: December 22, 2019
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 6103.2
TTAF: 8263.2

Accomplished a 100 hour inspection of this aircraft in accordance with FAR 43 appendix D, opened inspection panels and inspected structure and skin, lubricated airframe using the Cessna MM as a guide, replaced vacuum regulator filter with part number **B3-5-1**, serviced and charged aircraft battery, tested ELT in accordance with FAR 91.207(d) battery due replacement by **JUN/2021**. Aircraft registration current through **SEP/2019**. See AD compliance documents. Accomplished the following AD's:

AD 11-10-09 Seat Track Wear And Pin Engagement/ Next due at 6203.2 tach or DEC/2020
AD 76-07-12 Ignition Switches/ Next due at 6203.2 tach

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

David Birgmann A&P [REDACTED] /A
[REDACTED]

NAME/
SIGNATURE

LICEN
AME
AMO/A

Logbook Entry

Date: November 11, 2019
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 6021.2
TTAF: 8181.4

With reference to Supplemental Inspection Document and Corrosion Prevention and Control Program
Accomplished the required inspections based on time intervals specified in SID. Inspection No. 1 Aircraft
Records Review and Inspection No. 25 Horizontal Stabilizer Forward Spar Inspection.

David Birgmann A&P [REDACTED]
[REDACTED]

David Birgmann A&P [REDACTED] A

Logbook Entry

Date: November 11, 2019
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N
Tach: 6
TTAF: 8

Accomplished an Annual inspection of this aircraft in accordance with FAR 43 appendix D, opened inspection panels and inspected structure and skin, lubricated airframe using the Cessna MM replaced vacuum regulator filter with **p/n B3-5-1**, tested ELT in accordance with FAR 91.207 due replacement by **JUN/2021**. Registration current thru **SEP/2022**. See AD compliance page. Accomplished the following AD's:

AD 11-10-09 Seat Track Wear And Pin Engagement/ Next due at tach 6121.2 or 11/2020
AD 76-07-12 Ignition Switches/ Next due at tach 6121.2

I certify that this aircraft has been inspected in accordance with an **Annual** inspection and was found to be in an airworthy condition.

David Birgmann A&P [REDACTED] I/A
[REDACTED]

inspection panels and
replaced vacuum regulator filter with part
"Rapco" part number "RA164-04000", replaced left and right
number 66-109 brake linings, bled brake system, serviced and charged aircraft battery, tested ELT in
accordance with FAR 91.207(d) battery due replacement by JUN/2021. Aircraft registration current
through SEP/2019. See AD compliance documents. Accomplished the following AD's:

AD 11-10-09 Seat Track Wear And Pin Engagement/ Next due at 6022.4 tach or AUG/2020
AD 76-07-12 Ignition Switches/ Next due at 6022.4
tach

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found to
be in an airworthy condition.

David Birgmann A&P [REDACTED] /A
[REDACTED]

Logbook Entry

Date: September 22, 2019
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 5922.4
TTAF: 8082.4

With reference to Supplemental Inspection Document and Corrosion Prevention and Control Program
Accomplished the required inspections based on time intervals specified in SID. Inspection No. 1, and 25.

David Birgmann A&P [REDACTED] /A
[REDACTED]

Logbook Entry

Section 1: Airframe Log

AIR TIME

LANDINGS / CYCLES

Logbook Entry

Date: September 22, 2019
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 5922.4
TTAF: 8082.4

Accomplished a 100 hour inspection of this aircraft in accordance with FAR 43 appendix D, opened inspection panels and inspected structure and skin, lubricated airframe using the Cessna MM as a guide, replaced vacuum regulator filter with part number **B3-5-1**, replaced left and right brake disc with **"Rapco" part number "RA164-04000"**, replaced left and right brake linings with **"Cleveland" part number 66-109** brake linings, bled brake system, serviced and charged aircraft battery, tested ELT in accordance with FAR 91.207(d) battery due replacement by **JUN/2021**. Aircraft registration current through **SEP/2019**. See AD compliance documents. Accomplished the following AD's:

AD 11-10-09 Seat Track Wear And Pin Engagement/ Next due at 6022.4 tach or AUG/2020
AD 76-07-12 Ignition Switches/ Next due at 6022.4
tach

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

David Birgmann A&P [REDACTED] /A
[REDACTED]

Logbook Entry

Date: September 22, 2019
Make: Cessna

Logbook Entry

Date: August 25, 2019
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 5823.6
TTAF: 7983.6

Accomplished a 100 hour inspection of this aircraft in accordance with FAR 43 appendix D, opened inspection panels and inspected structure and skin, lubricated airframe using the Cessna MM as a guide, replaced vacuum regulator filter with part number **B3-5-1**, replaced left and right brake linings, bled brake system, replaced 2 each cowling mounts with part number J-7444-14, service and charged aircraft battery, Replaced tail navigation light with GE part number 1777, replaced left strobe light with Whelen part number A615, tested ELT in accordance with FAR 91.207(d) battery due replacement by **JUN/2021**. Aircraft registration current through **SEP/2019**. See AD compliance documents. Accomplished the following AD's:

AD 11-10-09 Seat Track Wear And Pin Engagement/ Next due at 5923.6 tach or AUG/2020
AD 76-07-12 Ignition Switches/ Next due at 5923.6 tach

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

David Birgmann A&P [REDACTED] /A

Logbook Entry

Date: August 26, 2019
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 5823.6
TTAF: 7983.6

With reference to Supplemental Inspection Document and Corrosion Prevention and Control Program Accomplished the required inspections based on time intervals specified in SID. Inspection No. 1, 24, 25 and 37.

David Birgmann A&P [REDACTED] /A

Reg: N13520
Tach: 5725.8
TTAF: 7886.0

Date: July 28, 2019
Make: Cessna
Model: 172M
S/N: 17262816

With reference to Supplemental Inspection Document and Corrosion Prevention and Control Program Accomplished the required inspections based on time intervals specified in SID. Inspection No. 1, 24, 25 and 37.

David Birgmann A&P

Reg: N13520
Tach: 5823.6
TTAF: 7983.6

Date: August 25, 2019
Make: Cessna
Model: 172M
S/N: 17262816

Model: 172M
S/N: 17262816

Accomplished a 100 hour inspection of this aircraft in accordance with FAR 43 appendix D, opened inspection panels and inspected structure and skin, lubricated airframe using the Cessna MM as a guide, replaced vacuum regulator filter with part number **B3-5-1**, replaced left and right brake linings, bled 2 each cowling mounts with part number J-7444-14, service and charged aircraft battery, replaced left strobe light with Whelen 1777, replaced left battery due replacement by **JUN/2021**.

H&S AVIONICS, INC 1924 Boston Rd. Bardstown, Ky 40004 502-510-1981
 I certify that the altimeter(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph B, by H&S Avionics Inc to 20,000 ft. Left altimeter S/N A2096
 Right altimeter S/N N/A. The ATC Transponder(s) were tested and inspected as per Part 91.413 IAW Part 43, Appendix F. #1 S/N 77254 #2 S/N N/A
 Automatic altitude reporting system tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph C to 20,000 feet. The static pressure system(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph A.

Signature: [REDACTED]

Date: 7/29/19For **H&S AVIONICS, INC** FAA Certified Repair Station #V4HR991Y

Logbook Entry

Date: July 28, 2019
 Make: Cessna
 Model: 172M
 S/N: 17262816

Reg: N13520
 Tach: 5725.8
 TTAF: 7886.0

Accomplished a 100 hour inspection of this aircraft in accordance with FAR 43 appendix D, opened inspection panels and inspected structure and skin, lubricated airframe using the Cessna MM as a guide, replaced vacuum regulator filter with part number **B3-5-1**, replaced nose tire, replaced right and left main tires, replaced 4 each cowling mounts with part number J-7444-14, service and charged aircraft battery, repaired right seat recline lever by installing new roll pin, tested ELT in accordance with FAR 91.207(d) battery due replacement by **JUN/2021**. Aircraft registration current through **SEP/2019**. See AD compliance documents. Accomplished the following AD's:

AD 11-10-09 Seat Track Wear And Pin Engagement/ Next due at 5825.8 tach or JUL/2020
AD 76-07-12 Ignition Switches/ Next due at 5825.8 tach

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

David Birgmann A&P [REDACTED]

/A

Section 1: Airframe Log

DATE 2019	AIR TIME				LANDINGS / CYCLES		DETAILS OF TASK (INSPECTION, REPAIRS & REPLACEMENT)
	DAILY TOTAL		TOTAL		DAILY TOTAL	TOTAL	
	HRS	MIN	HOURS	MIN			
CARRIED FORWARD							

Logbook Entry

Date: June 28, 2019
 Make: Cessna
 Model: 172M
 S/N: 17262816

Reg: N13520
 Tach: 5639.2
 TTAF: 7799.4

With reference to Supplemental Inspection Document and Corrosion Prevention and Control Program Accomplished the required inspections based on time intervals specified in SID. Inspection No. 1, 3, 24 and 25.

David Birgmann A&P [REDACTED] I/A

H&S AVIONICS, INC 1924 Boston Rd. Bardstown, Ky 40004 502-510-1981
 I certify that the altimeter(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph B, by H&S Avionics Inc to 20,000 ft. Left altimeter S/N A2096
 Right altimeter S/N N/A. The ATC Transponder(s) were tested and inspected as per Part 91.413 IAW Part 43, Appendix F. #1 S/N 57254 #2 S/N N/A
 Automatic altitude reporting system tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph C to 20,000 feet. The static pressure system(s) were tested and inspected as per Part 91.411 IAW Part 43, Appendix E, Paragraph D to 20,000 feet.

Logbook Entry

Date: May 18, 2019
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 5539.5
TTAF: 7699.7

Accomplished a 100 hour inspection of this aircraft in accordance with FAR 43 appendix D, opened inspection panels and inspected structure and skin, lubricated airframe using the Cessna MM as a guide, replaced vacuum regulator filter with part number **B3-5-1**, replaced left and right brake linings with "**Cleveland**" part number **066-109** linings, bled brake system, adjusted up and down flap limit switches in accordance with the Cessna Service Manual, tested ELT in accordance with FAR 91.207(d) battery due replacement by **JUN/2019**. Aircraft registration current through **SEP/2019**. See AD compliance documents. Accomplished the following AD's:

AD 11-10-09 Seat Track Wear And Pin Engagement/ Next due at 5639.5 tach or 11/2019
AD 76-07-12 Ignition Switches/ Next due at 5639.5 tach

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

David Birgmann A&P [REDACTED] /A
[REDACTED]

Logbook Entry

Date: June 28, 2019
Make: Cessna
Model: 172M
S/N: 17262816

Reg: N13520
Tach: 5639.2
TTAF: 7799.4

Accomplished a 100 hour inspection of this aircraft in accordance with FAR 43 appendix D, opened inspection panels and inspected structure and skin, lubricated airframe using the Cessna MM as a guide, replaced vacuum regulator filter with part number **B3-5-1**, replaced ELT battery with part number BP-1015 and tested ELT in accordance with FAR 91.207(d) battery due replacement by **JUN/2021**. Aircraft registration current through **SEP/2019**. See AD compliance documents. Accomplished the following AD's:

AD 11-10-09 Seat Track Wear And Pin Engagement/ Next due at 5739.2 tach or 11/2019
AD 76-07-12 Ignition Switches/ Next due at 5739.2 tach

I certify that this aircraft has been inspected in accordance with a 100 hour inspection and was found to be in an airworthy condition.

David Birgmann A&P [REDACTED] /A
[REDACTED]

PF103005
3600

Page No. _____

DATE

TOTAL
TIME

TOTAL
TIME

TACH OR
RECORDING

DESCRIPTION OF WORK PERFORMED—
CERTIFICATE NO. OF PERSON PERFORMING WORK

ward from previous page

Reg: N13520

Date: 04/28/2020

Make: Cessna Model: 172M

Removed and replaced alternator with a "Repaired" unit part number DOFF10300J serial number A911013. All work accomplished in accordance with the Cessna Service Manual. Accomplished an engine run and alternator operation was normal.

Tach: 6335.4

David Birgmann A/P [REDACTED]

Logbook Entry

Date: May 16, 2020

Make: Lycoming

Model: O-320-E2D

S/N: L-36539-27A

Reg: N13520

Tach: 6367.4

TTSMOH: 1673.2

TT ENG: 8527.4

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **80, 78, 80, 79** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, removed oil sump screen and inspected with no discrepancies noted, serviced engine with 8 quarts Aeroshell 100w oil. Replaced induction air filter with **Bracket p/n BA6108**, tightened all rocker cover screws, tightened all exhausts nuts, tightened all induction tube bolts and induction hose clamps. Ran engine and no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition.

David Birgmann A&P [REDACTED]

Logbook Entry

Date: February 1, 2020
Make: Lycoming
Model: O-320-E2D
S/N: L-36539-27A

Reg: N13520
Tach: 6195.6
TTSMOH: 1501.4
TT ENG: 8355.6

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **80, 78, 80, 80** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, removed oil sump screen and inspected with no discrepancies noted, serviced engine with 8 quarts Aeroshell 100w oil. Replaced induction air filter with **Bracket p/n BA6108**, tightened all rocker cover screws, tightened all exhausts nuts, tightened all induction tube bolts and induction hose clamps. Ran engine and no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition.

David Birgmann A&P [REDACTED] /A

Logbook Entry

Date: March 28, 2020
Make: Lycoming
Model: O-320-E2D
S/N: L-36539-27A

Reg: N13520
Tach: 6279.7
TTSMOH: 1585.5
TT ENG: 8439.7

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **79, 80, 80, 80** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, removed oil sump screen and inspected with no discrepancies noted, serviced engine with 8 quarts Aeroshell 100w oil. Replaced induction air filter with **Bracket p/n BA6108**, tightened all rocker cover screws, tightened all exhausts nuts, tightened all induction tube bolts and induction hose clamps. Ran engine and no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition.

David Birgmann A&P [REDACTED] /A

Engine Maintenance
Release on 8130-3

Engine Overhaul Records

P&M Engine
STC

Logbook Entry

Date: December 22, 2019
Make: Lycoming
Model: O-320-E2D
S/N: L-36539-27A

Reg: N13520
Tach: 6103.2
TTSMOH: 1409.0
TT ENG: 8263.2

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **79, "0", 76, 78** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, removed oil sump screen and inspected filter, removed and replaced #2 cylinder due to low compression caused by sticking exhaust valve with a "New" Lycoming cylinder kit part number **05K21100**, replaced all intake hoses with part number **69603**, replaced all induction tube gaskets with part number **71973**, replaced all oil return hoses with part number **STD-2180**, replaced all exhaust gaskets with part number **77611**, replaced left magneto with a "Rebuilt" Slick model **4371** magneto, replaced right magneto with a "Rebuilt" Slick model **4370** magneto, replaced ignition harness with a "New" Kelly Aerospace Energy Systems part number **KA14001**, replaced all spark plugs with "New" Champion **REM38E** spark plugs. All work was accomplished in accordance with the Lycoming Engine Overhaul manual and the Cessna Service manual. Engine was serviced engine with 8 quarts Aeroshell 100w "Mineral" oil for cylinder break in. Replaced induction air filter with **Bracket p/n BA6108**, ran engine and no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition.

David Birgmann A&P [REDACTED] /A
[REDACTED]

Reg: N13520

Date: 12/28/2019

Tach : 6117.4

Make: Lycoming

Model: O-320-E2D

S/ N: L-36539-27A

TSMOH: 1423.4

TTENG: 8277.2

Drained oil and removed oil filter. Replaced oil filter with a Champion CH48110-1 oil filter. Service engine with 8 quarts Aeroshell 100w "Mineral" oil for #2 cylinder break in. Ran engine with no leaks or any other discrepancies noted.

David Birgmann A/P [REDACTED]

Date - OCT 20, 2019

Tach - 5971.7

TTSMOH - 1277.5

TT Engine - 8131.7

Drained oil and removed oil filter.
Replaced oil filter with a Champion
CH48110-1 oil filter. Serviced engine with
7 qts oil and one can Avblend oil
additive. Ran engine with no leaks
or any other discrepancies noted. End -

Logbook Entry

Date: November 11, 2019
Make: Lycoming
Model: O-320-E2D
S/N: L-36539-27A

Reg: N13520
Tach: 6021.2
TTSMOH: 1327.3
TT ENG: 8181.4

Accomplished an Annual inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **80,79,78,78** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, inspected oil sump screen with no discrepancies noted, serviced engine with 7 qts Aeroshell 100w oil and 1 can Avblend oil additive, replaced spark plugs with new "Champion" REM40E spark plugs, **replaced engine starter with "Prestolite" part number MZ-4222 serial number F103668, replaced alternator with "Ford" part number DOF10300J serial number A917038**, replaced all rocker box covers with new gaskets with **FAA-PMA approved part number RG-75906-SP** gaskets, tightened all exhaust nuts, tightened all induction hose clamps, tightened all induction tube bolts, replaced induction air filter with **Bracket p/n BA6108**. Accomplished engine run up and test with no leaks or any other discrepancies noted. See AD compliance paper work. See AD compliance listing.

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

David Birgmann A&P [REDACTED] I/A
[REDACTED]

Engine Overhaul Records

P.A.M. Engine
STC

Logbook Entry

Date: September 22, 2019
 Make: Lycoming
 Model: O-320-E2D
 S/N: L-36539-27A

Reg: N13520
 Tach: 5922.4
 TTSMOH: 1228.2
 TT ENG: 8082.4

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **80, 80, 80, 80** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, serviced engine with 7 quarts Aeroshell 100w oil and one can "Avblend" oil additive, tightened all induction hose clamps, tightened all induction tube bolts, secured all rocker box covers, replaced induction air filter with **Bracket p/n BA6108**, ran engine and no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition.

David Birgmann A&P [REDACTED] /A

Date -	OCT 20, 2019	Drained oil and removed oil filter.
Tach -	5971.7	Replaced oil filter with a Champion
TTSMOH -	1277.5	CH48110-1 oil filter. serviced engine with
TT Engine -	8131.7	7 qts oil and one can Avblend oil
		additive. Ran engine with no leaks
		or any other discrepancies noted. End -
		[REDACTED]

Logbook Entry

Date: July 28, 2019
Make: Lycoming
Model: O-320-E2D
S/N: L-36539-27A

Reg: N13520
Tach: 5725.8
TTSMOH: 1031.9
TT ENG: 7886.0

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **80, 80, 78, 80** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, serviced engine with 7 quarts Aeroshell 100w oil and one can "Avblend" oil additive, tightened all induction hose clamps, tightened all induction tube bolts, secured all rocker box covers, replaced induction air filter with **Bracket p/n BA6108**, ran engine and no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition.

David Birgmann A&P [REDACTED] I/A
[REDACTED]

Logbook Entry

Date: August 25, 2019
Make: Lycoming
Model: O-320-E2D
S/N: L-36539-27A

Reg: N13520
Tach: 5823.6
TTSMOH: 1129.4
TT ENG: 7983.8

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **80, 79, 80, 78** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, serviced engine with 7 quarts Aeroshell 100w oil and one can "Avblend" oil additive, tightened all induction hose clamps, tightened all induction tube bolts, secured all rocker box covers, replaced induction air filter with **Bracket p/n BA6108**, ran engine and no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition.

David Birgmann A&P [REDACTED] I/A
[REDACTED]

... has been inspected in accordance with a 100 hour inspection and found to be in
an airworthy condition.

David Birgmann A&P 3958469 I/A

D. Birgmann

Logbook Entry

Date: June 28, 2019
Make: Lycoming
Model: O-320-E2D
S/N: L-36539-27A

Reg: N13520
Tach: 5639.2
TTSMOH: 945.3
TT ENG: 7799.4

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **80, 79, 79, 80** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, serviced engine with 7 quarts Aeroshell 100w oil and one can "Avblend" oil additive, tightened all induction hose clamps, tightened all induction tube bolts, secured all rocker box covers, replaced induction air filter with **Bracket p/n BA6108**, ran engine and no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition.

David Birgmann A&P [REDACTED]
[REDACTED]

SUB TOTALS this page

TOTALS-Carry forward to next page

Engine Overhaul Records

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

Page No. _____

Logbook Entry

Date: May 18, 2019
 Make: Lycoming
 Model: O-320-E2D
 S/N: L-36539-27A

Reg: N13520
 Tach: 5539.5
 TTSMOH: 845.6
 TT ENG: 7699.7

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **80, 80, 80, 79** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, serviced engine with 7 quarts Aeroshell 100w oil and one can "Avblend" oil additive, tightened all induction hose clamps, tightened all induction tube bolts, secured all rocker box covers, replaced induction air filter with **Bracket p/n BA6108**, ran engine and no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition.

David Birgmann A&P [REDACTED] /A

[REDACTED]

Logbook Entry

June 28, 2019

Reg: N13520

Page No. _____

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
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Logbook Entry

Date: February 24, 2019
Make: Lycoming
Model: O-320-E2D
S/N: L-36539-27A

Reg: N13520
Tach: 5353.3
TTSMOH: 659.4
TT ENG: 7513.5

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **80, 79, 78, 78** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, serviced engine with 7 quarts Aeroshell 100w oil and one can "Avblend" oil additive, tightened all induction hose clamps, tightened all induction tube bolts, secured all rocker box covers, replaced induction air filter with **Bracket p/n BA6108**, ran engine and no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition.

David Birgmann A&P [REDACTED] I/A
[REDACTED]

Logbook Entry

Date: April 8, 2019
Make: Lycoming
Model: O-320-E2D

Logbook Entry			
Date: April 8, 2019		Reg: N13520	
Make: Lycoming		Tach: 5450.4	
Model: O-320-E2D		TTSMOH: 756.5	
S/N: L-36539-27A		TT ENG: 7610.6	
Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: 78, 79, 79, 79 respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, serviced engine with 7 quarts Aeroshell 100w oil and one can "Avblend" oil additive, tightened all induction hose clamps, tightened all induction tube bolts, secured all rocker box covers, replaced induction air filter with Bracket p/n BA6108, ran engine and no leaks or any other discrepancies noted. See AD compliance documents. I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition. David Birgmann A&P [REDACTED] /A			
SUB-TOTALS this page			

Reg: N13520
Tach: 5450.4
TTSMOH: 756.5
TT ENG: 7610.6

Accomplished a 100 hour inspection of this engine in accordance with FAR 43 appendix D, performed a compression check: **78, 79, 79, 79** respectively. Drained oil and replaced oil filter with a CH48110-1 oil filter, cut oil filter open and inspected with no discrepancies noted, serviced engine with 7 quarts Aeroshell 100w oil and one can "Avblend" oil additive, tightened all induction hose clamps, tightened all induction tube bolts, secured all rocker box covers, replaced induction air filter with **Bracket p/n BA6108**, ran engine and no leaks or any other discrepancies noted. See AD compliance documents.

I certify that this engine has been inspected in accordance with a 100 hour inspection and found to be in an airworthy condition.

David Birgmann A&P [REDACTED] /A

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