

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
1-2-18				TOTALS brought forward from previous page

ZEPHYR AIRCRAFT ENGINES INC.

39320 B, Avenue. Zephyrhills FL. 33542
(813) 788-3305. FAX (813) 788-4412

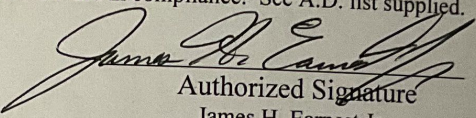
W.O. No. 217260

N9806E

Dated January 02, 2018Mfg. ContinentalModel O-470-U-c-50 [PPA STC]Serial No. 470526Engine Total Time. 1655.5Time since Major Overhaul. 0.00

This is to certify that the engine described hereafter has been overhauled to manufacturer's new parts limits. The Engine was disassembled, cleaned, and inspected in accordance with Manufacturer's instructions. All steel parts magnafluxed, reassembled and test run in accordance with manufacturer's current overhaul manual and in accordance with current Federal Aviation Regulations and is approved for return to service. Pertinent details of these repairs are on file at this agency under the W.O. # listed above. All applicable Airworthiness Directives thru 2017-25 are in compliance. See A.D. list supplied.

F.A.A. APPROVED REPAIR STATION #VI4R397M


Authorized Signature

James H. Earnest Jr.

Components, Accessories, & Related Parts supplied or installed.

				Overhauled	Repaired	Not Repaired
Carburetor	P/N	10-5284	S/N	DU21311	X	
Left Magneto	P/N	BL500556-1	S/N	D16LA042R	X	
Right Magneto	P/N	BL500556-1	S/N	D16LA040R	X	
Starter	P/N	646275-1	S/N	U-5183	X	
Oil Cooler	P/N	8000925	S/N	2088452	NEW	
Spark Plugs	P/N	URHB32E	Ignition Harness	P/N	10-423674-1	
Oil Filter	P/N	CH48108-1				

Corporate Aircraft Service
8191 Tamiami Trail
Sarasota FL 34243

corporateaircraftservice.com
PH 941-704-7428

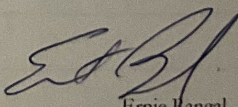
Engine Logbook Entry

Model: TCM O-470-U-c-50
Serial Number: 470526

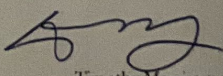
Tach and engine TIT: 1655.5

Date: 2/2/18
TSMOH 0.0

Installed overhauled Continental engine model O-470-U-c-50 serial number 470526 on Cessna 182R, N8906E, s/n 18268488 as authorized by P. Ponk Aviation STC SA5966NM. Engine was installed IAW P. Ponk Aviation Engine Installation Instructions report number PPA-10003 Rev A. and Cessna 182 & T182 Series Service Manual, Rev 3 dated Jan 2, 1996, Section 11. Reference FAA form 337 dated 2/2/18. New baffle kit Airforms Inc. p/n C182-7768BRB was installed.


Ernie Rangal
A & P 3625390

All applicable AD's are in compliance thru issue 2018-02 and listed separately. I have inspected this engine IAW an annual inspection and approve it for return to service.


Timothy Morrissey
A & P 2206036 I. A.

D,

Corporate Aircraft Service
8191 Tamiami Trail
Sarasota FL 34243

corporateaircraftservice.com
PH 941-704-7428

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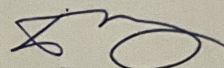
Model: TCM O-470-U-c-50
Serial Number: 470526

Engine Logbook Entry

Tach and engine TT: 1666.4

Date: 2/7/18
TSMOH 10.9

Drained oil, installed new oil filter CH48108-1 and serviced with Aeroshell 50W mineral oil. Installed new oil temperature sender p/n S2335-1.


Timothy Morrissey
A & P 2206036

Reg.: N9806E
Model: O-470U
S/N: 470526

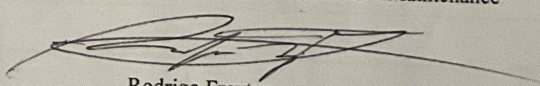
Date: 3/29/2018
Tach: 1691.2
TSO: 35.5

ENGINE

Performed an engine oil service:

Engine serviced with 11 qts. of Aeroshell W100 Plus and 1 oil filter CH48108-1.

I certify that this engine has been serviced in accordance with Cessna 182R Maintenance Manual.


Rodrigo Freytes
PPL 3631174

Reg.: N9806E
Model: O-470U
S/N: 470526

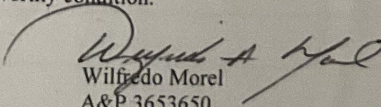
Date: 12/4/2018
Tach: 1747.7
TSO: 92.0

ENGINE

Performed a 50 hour inspection in accordance with Cessna 182R Maintenance Manual.

Engine serviced with 11 qts. of Aeroshell W100 Plus And 1 oil filter CH48108-1.

I certify that this engine has been inspected in accordance with a 50 hour inspection And has been determined to be in airworthy condition.


Wilfredo Morel
A&P 3653650

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Issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

*Installer must cross-check eligibility with applicable technical data.

NSN: 0052-00-000-9000

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Reg.: N9806E
Model: O-470U
S/N: 470526

Date: 1/12/2019
Tach: 1753.7
TSO: 102.0

ENGINE

Performed a 100 hour inspection in accordance with Cessna 182R Maintenance Manual.

Engine serviced with 11 qts. of Aeroshell W100 Plus and 1 oil filter CH48108-1.

Cut and inspected filter no metal found at this time. 1) 70% 2) 74% 3) 74% 4) 71% 5) 70% 6) 71%

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

Wilfredo A. Morel
Wilfredo A. Morel
A&P 3653650

SMOH: Tach Time 1753.7	SPOH: 98.0	ELT EXP: March 2021
NATIONALITY AND REGISTRATION MARKS: N9806 E	MANUFACTURER AND MODEL: Cessna 182R	AIRCRAFT SERIAL NUMBER: 18268448
I CERTIFY THAT THIS AIRFRAME, ENGINE & PROPELLER HAS BEEN INSPECTED IN ACCORDANCE WITH 100HR/ANNUAL INSPECTION AND WAS FOUND IN AIRWORTHY CONDITION ON THIS DATE. 1) 70% 2) 74% 3) 74% 4) 71% 5) 70% 6) 71%		
SIGNED: <i>Manuel Antonio Sanchez</i>		DATE: 01-12-2019
A & P <i>DA 3844901</i>		<i>AD Cold Thr 2018-24</i>

Reg.: N9806E
Model: PPONK AVIATION O-470-50
S/N: 3044

Date: 6/22/2019
Tach: 1795.2
TSO: 139.5

ENGINE

Performed oil change in accordance with Cessna 182R Maintenance Manual. Engine serviced with 11 qts. of Aeroshell W100 Plus and 1 oil filter CH48108-1. Safety wired oil filter and ran engine. No leaks were identified.

Rodrigo Freytes Gonzalez
PP Cert. 3631174

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Aircraft Registration: N9806E

Engine Model: Continental O-470-U-C-50

Engine Serial # 470526

Date: December 18, 2019

Aircraft Tach: 1826.7

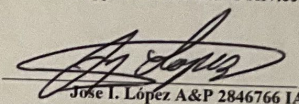
Engine Total Time: 1826.5

Engine TTSOH: 171.0

ENGINE LOG ENTRY

1. Drained oil. Added 12 quarts of Aeroshell W100, Replaced oil filter Champion P/N CH481021. Open oil filter, no metal particles found.
2. Used T-Data AD Library to check AD's up to revision 2019-25, no new AD's due at this time.
3. Accomplished cylinder compression Test: No.1 (70/80), No.2 (68/80), No.3 (70/80), No.4 (68/80), No. 5 (73/80), No. 6 (70/80)

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. All maintenance performed on this Engine was conducted in accordance with FAR 43 App. D and the current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.



Jose I. Lopez A&P 2846766 IA

Corporate Aircraft Service
8191 Tamiami Trail
Sarasota FL 34243

corporateaircraftservice.com
PH 941-704-7428

Engine Logbook Entry

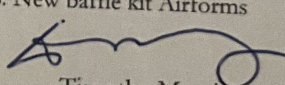
Model: TCM O-470-U-C-50
Serial Number: 470526

Tach and engine TT: 1655.5

Date: 2/2/18
TSMOH 0.0

This entry is supplemental to the engine installation signoff dated 2/2/18. In the description of the aircraft the "N" number and aircraft serial number were typed incorrectly. Below the numbers have been corrected.

Installed overhauled Continental engine model O-470-U-C-50 serial number 470526 on Cessna 182R, N9806E, s/n 18268448 as authorized by P. Ponk Aviation STC SA5966NM. Engine was installed IAW P. Ponk Aviation Engine Installation Instructions report number PPA-10003 Rev A. and Cessna 182 & T182 Series Service Manual, Rev 3 dated Jan 2, 1996, Section 11. Reference FAA form 337 dated 2/2/18. New baffle kit Airforms Inc. p/n C182-7768BRB was installed.



Timothy Morrissey
A & P 2206036 I. A.

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Page No.

DESCRIPTION OF WORK PERFORMED—
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME
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Reg: N9806E Make: Continental Model: 0-470-U-c-50 (PPA-STC)

Date: August 12, 2020 - TSMO: 213.00 -AC.TACH: 1868.5

ENGINE-S/N-470526

Removed Left & Right magnetos, P/N-BL500556-1,
Left-S/N-D16LA042R, Right-S/N-D16LA040R for maintenance.
After 500hrs. inspection completed, (For inspection details and all
applicable AD's, see work order # 6029,
Repair Station-High Performance Accessory Service Inc.
- FAA Approved RS-QHPR074L, Date: July 24, 2020, see ATTACH
DOC.)

Left & Right magnetos, P/N-BL500556-1,
Left Magneto-S/N-D16LA042R, Right Magneto-S/N-D16LA040R
installed as per Continental M.M. & Cessna M.M.

Engine run test completed & Returned to service.

Omar Colon A/P 3130622
8/12/20

Omar Colon

A&P-3130622



HIGH PERFORMANCE ACCESSORY
SERVICE INC.
FAA APPROVED RS # QHPR074L
Azenas Street H-129
Ext. Forest Hills
Bayamon, Puerto Rico 00659
Tel Fax: (787) 795-7950

W. O. # 6029
DATE: July 24, 2020

PART NAME: Magneto

PART #: BL-500556-1

MANUFACTURER: TCM

WORK INSTRUCTIONS:

SERIAL#: D16LA040R

D16LA042R

CUSTOMER: North Shore

P.O. #: Raul Dalmau

OH (X) REPAIR WARRANTY

PRELIMINARY INSPECTION: 500 hrs. Inspection

HIDDEN DAMAGE INSPECTION: No hidden damage

IN PROCESS INSPECTION:

General cleaning. Replaced breaker, felt, carbon, slinger, seal & pin. All
other parts found serv. as per TCM OH Manual X42002-3 specs. Block
waxed. Magnet preloaded, bearings repacked. General painting. WVWS
INSPECTOR

PARTS RECORD:

2- AB 382584 breaker 2- 10-90751-18 pin 2- AB-357592 seal
2- AB 50752 felt 2- AB51678 Slinger
2- AB 163374 felt 2- AB-160844 carbon

FUNCTIONAL TEST:

Bench check as per manufacturer specs. Found OK.
74-26-09 p/c/w visually insp. SB 556B one time
94-01-03R2 p/c/w visually insp. MSB 644 one time
94-06-09 p/c/w visually insp. SB 641 one time
82-20-01 p/c/w visually insp. SB 623 one time
2005-12-06 p/c/w visually insp. MSB 645 next 500 hrs.

FINAL INSPECTION
Wilfredo Velez AP3281010
DATE: July 24, 2020

CERTIFIED
AIRWORTH: YES

1. Approving Civil Aviation Authority/Country: FAA/United States		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG		3. Form Tracking Number: 6029	
4. Organization Name and Address: H.P. Accessory Service Inc. FAA Approved RS QHPR074L Azenas H-129 Ext. Forest Hills Bayamon, PR 00959		5. Work Order/Contract/Invoice Number: 6029		6. Status/Work: OH	
7. Description: 1 Magneto	8. Part Number: BL-500556-1	9. Quantity: 2	10. Serial Number: D16LA040R, D16LA042R		
11. Remarks: This Magneto Has been OH/inspected & tested IAW TCM OH Manual X42002-3 Specifications with current manual up to this date. H.P. Accessories certifies that the work specified in blocks 12/14 was carried out IAW FAR part 145, 43 & the article is considered ready for release to service. Complete details held on file in reference work order above. Applicable SB & AD have been complied with as of this date. (see attached work order form).					
12a. Describe the item identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.		12b. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.			
13a. Authorized Signature:	13b. Approval/Authorization No.:	13c. Authorized Signature: <i>Wilfredo Velez</i>	13d. Approval/Certificate No.:	QHPR074L	
13e. Name (Typed or Printed):	13f. Date (dd/mm/yyyy):	13g. Name (Typed or Printed): Wilfredo Velez	13h. Date (dd/mm/yyyy):	07/24/20	
User/Installer Responsibilities It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine/propeller/article(s) from the airworthiness authority of the country specified in Block 1. Statements in Blocks 13a and 13g do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the FAA Form 8130-3 (20-14)					

NSN: 0052-00-012-9003

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Date: 08/27/2020

Hours: 1875.0

Tail: N9806E

Make: Cessna

Model: 182R

S/N: 18268448

Name: Carlos Oquet

Cert: IA 3432748 / 0310484076

Co: Airmen Aviation Services

Signed: 

Drained engine oil and took sample. Replaced spin-on oil filter with new cartridge. Serviced engine with *12qts Aeroshell W100Plus. Ground run for leak check with no discrepancies found.

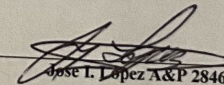
Aircraft Registration: N9806E
 Engine Model: Continental O-470-U-c-50
 Engine Serial #: 470526

Date: December 17, 2020
 Aircraft Tach: 1889.4
 Engine Total Time: 1889.4
 Engine TTSOH: 233.7

ENGINE LOG ENTRY

1. Drained oil. Added 12 quarts of Aeroshell W100, Replaced oil filter Champion P/N CH48108-1. Open oil filter, no metal particles found.
2. Used T-Data AD Library to check AD's up to revision 2020-25, no new AD's due at this time.
3. Accomplished Cylinder compression Test: No.1 (65/80), No.2 (62/80), No.3 (70/80), No.4 (62/80), No. 5 (67/80), No. 6 (70/80).
4. Replaced all Spark Plugs, installed 12 Champion RHB 32E.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. All maintenance performed on this Engine was conducted in accordance with FAR 43 App. D and the current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.


 Jose L. Lopez A&P 2846766 IA

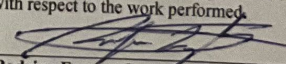
Aircraft Registration: N9806E
 Engine Model: Continental O-470-U-c-50
 Engine Serial #: 470526

Date: March 27, 2021
 Aircraft Tach: 1933.6
 Engine Total Time: 1933.6
 Engine TTSOH: 277.9

ENGINE LOG ENTRY

1. Drained oil. Added 12 quarts of Aeroshell W100, Replaced oil filter Champion P/N CH48108-1. Open oil filter, no metal particles found.

All maintenance performed on this Engine was conducted in accordance with the current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.


 Rodrigo Freytes Gonzalez CPL 3631174

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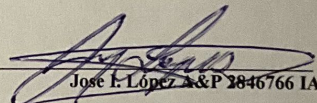
Aircraft Registration: N9806E
 Engine Model: Continental O-470-U-c-50
 Engine Serial #: 470526

Date: December 15, 2021
 Aircraft Tach: 1965.0
 Engine Total Time: 1965.0
 Engine TTSOH: 309.3

ENGINE LOG ENTRY

1. Drained oil. Added 12 quarts of Aeroshell W100, Replaced oil filter Champion P/N CH48108-1. Open oil filter, no metal particles found.
2. Used T-Data AD Library to check AD's up to revision 2021-25, no new AD's due at this time.
3. Accomplished cylinder compression Test: No.1 (69/80), No.2 (68/80), No.3 (70/80), No.4 (70/80), No. 5 (69/80), No. 6 (70/80).
4. Removed, cleaned, and regapped all spar plugs.
5. Replaced air filter element BA-8110.
6. Replaced Alternator bracket/N 643935.
7. Replaced Alternator, installed new Hartzell P/N DOFF10300BR S/N H-V110959.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. All maintenance performed on this Engine was conducted in accordance with FAR 43 App. D and the current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

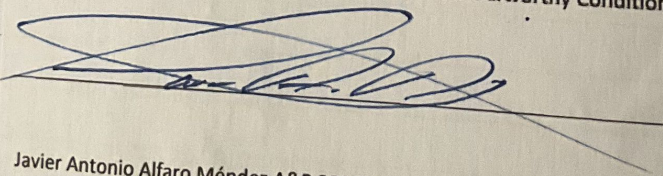

 Jose E. Lopez A&P 2846766 1A

MAKE: Cessna
 MODEL: 182
 REG. NO: N9806E
 Engine P/N: O-470-U-C-50
 ENGINE S/N: 470526

DATE: 4/7/2022
 A/C TSN: 2005.1
 TACH TIME: 2005.1
 ENGINE TSO: 349.4

- Drain oil, R/R Oil Filter P/N AA48108-2. Inspect oil filter. No contaminants found.
- Serviced engine with Aeroshell W100 Oil.
- Performed engine Ground Run, No leaks detected.
- All Work Performed I/A/W Cessna 182 Maint. Manual.

I certify that the work, repair and inspection performed on this aircraft was done in accordance with current FAA Regulation. The items listed has been found to be in Airworthy Conditions and returned to service.



Javier Antonio Alfaro Méndez A&P 3897321
 Date: April 7, 2022

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Aircraft Registration: N9806E
 Engine Model: Continental O-470-U-c-50
 Engine Serial #: 470526

Date: December 14, 2022
 Aircraft Tach: 2027.7
 Engine Total Time: 2027.7
 Engine TTSOH: 309.3

ENGINE LOG ENTRY

1. Drained oil. Added 12 quarts of Aeroshell W100, Replaced oil filter Champion P/N CH48108-1. Open oil filter, no metal particles found.
2. Used T-Data AD Library to check AD's up to revision 2022-25, no new AD's due at this time.
3. Accomplished cylinder compression Test: No.1 (77/80), No.2 (76/80), No.3 (74/80), No.4 (77/80), No. 5 (78/80), No. 6 (76/80).
4. Removed, cleaned, and regapped all spar plugs.
5. Replaced air filter element BA-8110.

I certify that this Engine has been inspected in accordance with an Annual Inspection and was determined to be in airworthy condition. All maintenance performed on this Engine was conducted in accordance with FAR 43 App. D and the current regulations of the Federal Aviation Administration and is approved for return to service with respect to the work performed.

Jose K. Lopez
 Jose K. Lopez A&P 2846766 IA

1/22/23

667.5

FAA-P-874D-S2 SAFETY
 WARNING GIVEN TO ACFT
 OWNER.

R&R PRIMARY (ENGINE DRIVEN)
 VACUUM PUMP. INSTALLED RAPCO P/N
 212 CW, S/N 199553.
Donald B. MacNiven
 DONALD B. MACNIVEN A&P 3438460 IA

2/28/23

2069.8

ENGINE TT 351.4
 SOH

DRAINED OIL. ADDED 11 QUARTS
 PHILLIPS XC 20W-50. REPLACED
 OIL FILTER WITH TEMPEST
 AA48108-2. SAFETY WIRED.

ALL MAINTENANCE PERFORMED ON THIS ENGINE WAS
 CONDUCTED IN ACCORDANCE WITH THE CURRENT
 REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN
 TO SERVICE WITH RESPECT TO THE WORK PERFORMED.

Brian Fessler
 BRIAN FESSLER 2773117

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Issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

*Installer must cross-check eligibility with applicable technical data.

NSN: 0052-00-01-9000

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7-28-23		2113.0		DRAINED OIL, ADDED 11 1/2 QTS
	ENGINE TTL. S.O.H.	394.6		PHILLIPS XC 20W-50. ALL MAINTENANCE PERFORMED ON THIS ENGINE WAS CONDUCTED IN ACCORDANCE WITH THE CURRENT REGULATIONS OF THE FAA AND IS APPROVED FOR RETURN TO SERVICE WITH RESPECT TO THE WORK PERFORMED.
				<u>Steven Fessler</u> STEVEN W FESSLER 3738846

ARAPAHOE AERO

12760 EAST CONTROL TOWER ROAD ENGLEWOOD, COLORADO 80112 (303) 799-8386

N9806E Continental O-470-U-c-50/PPA STC S/N: 470526 Total Time: 2154.8

29 January 2024 Tach Time: 2154.8 SMOH: 499.3 Hobbs: 671.9

100 Hour Inspection for Annual completed this date using the Cessna 182R Maintenance Manual Inspection Form as a guide. Compression test: #1) 66/80, #2) 68/80, #3) 70/80, #4) 71/80, #5) 65/80, #6) 67/80. Changed engine oil and filter using (Phillips X/C 20W50). Inspected filter, no contaminants noted. Installed new set of (12) RHB32E spark plugs. Adjusted idle mixture. Adjusted ignition harness and secured. Checked ignition timing. Installed a serviceable oil sump with a new gasket. Cleaned oil sump quick drain and installed new crush gasket. Installed new balance tube and bracket with new intake hose couplers. Installed a new muffler with new clamps and hardware. Repositioned muffler shroud and installed with new hardware. Installed new scat hoses with clamps to muffler shroud. Removed carburetor heat shroud, secured screen with screws and reinstalled carburetor heat shroud. Installed new top clip to air filter housing and element. Washed down engine using solvent. Checked and lubricated engine and propeller governor controls, operational check good. CAT AD 2022-16-03 (Failure of Magnetos) N/A by magneto type. SAP AD 2023-02-12 (Failure of Engine Intake Valve) N/A SAP cylinders not installed. CAT AD 2023-05-16 (Crankshaft Counterweight Security) N/A by engine assembly date. CAT AD 2023-17-04 (Oil Filter Adapter) N/A by part number. Adjusted high RPM stop on governor and idle mixture and speed as needed. AD's checked through Biweekly 2024-02. Post inspection engine ground run-up, leak and operational checks good. I CERTIFY THAT THIS ENGINE HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HOUR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.

Gilbert C. Schoales, Jr.

Gilbert C. Schoales, Jr. A&P 3644953

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