

Maintenance Records

Registration Number: N34039

Title: Engine

Book No: _____

Aircraft Manufacture Number: Cessna

Model Number: 177RG

Serial Number: 177RG0954

Engine Manufactured by: Lycoming

Model: IO-360-A1B6D

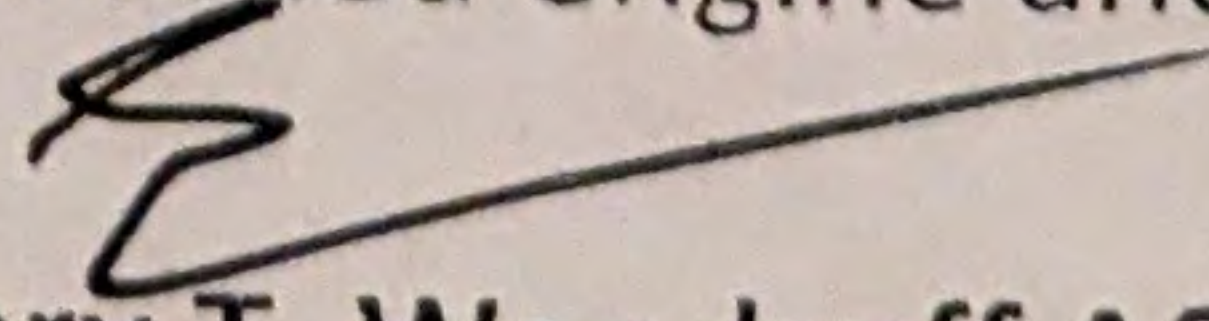
Serial Number: L-15780-51A

Propeller Manufactured by: Hartzell

Model: HC-C34R-1R/F7282

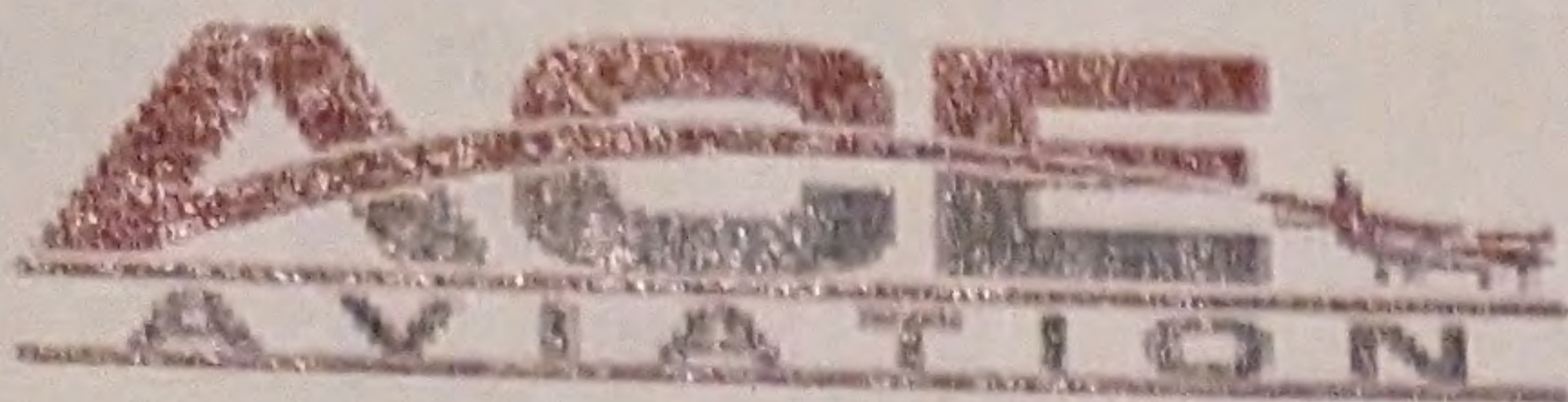
Serial Number: DY7246B

Blade Serial Numbers: _____

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
2018-12-22	Cessna N34039 Lycoming: IO-360-A1B6	SN 177RG0954 Tach: 1950.8 SN: L-15780-51A Tach: 1950.8	AFTT: 1950.8 ETT: 41.4 TSMOH: 24.2 Performed 25 hour inspection in accordance with Lycoming MM Sec. 4. Drained engine oil, inspected fuel and oil suction screen per SB 480E, no defects noted, and serviced engine with 9 qts Phillips X/C 20w-50 oil. Cleaned, gapped and rotated bottom spark plugs. Aircraft ground run and leaked checked. No discrepancies noted. I certify that this engine has been inspected in accordance with SB480E and is in airworthy condition at this time. Garett Ballif A&P 4021159
2019-05-13	Cessna N34039 Lycoming: IO-360-A1B6	SN 177RG0954 Tach: 1978.9 SN: L-15780-51A Tach: 1978.9	AFTT: 1978.9 ETT: 69.5 TSO: 45.3 Performed 50 hour inspection in accordance with Lycoming MM Sec. 4. Drained engine oil, inspected fuel and oil suction screen per SB 480E, no defects noted, and serviced engine with 9 qts Phillips X/C 20w-50 oil. Cleaned, gapped and rotated bottom spark plugs. Aircraft ground run and leaked checked. No discrepancies noted. I certify that this engine has been inspected in accordance with SB480E and is in airworthy condition at this time. Garett Ballif A&P 4021159
N34039 September 13, 2019 Tach 2032.0 Engine Logbook Endorsement Changed engine oil and filter (CH48103-1). Visual inspection of the used oil filter element revealed no unusual contamination. Torqued and safetied the new oil filter. Serviced the engine with 8 quarts of Phillips 20W50 oil and 12.8 ounces of Camguard. Washed engine and engine installation. No leaks noted. Performed by Darrah Bosse.  Gregory T. Woodruff A&P 3669996			

MAINTENANCE RECORDS

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Manufacturer: Lycoming Div Avco Corp Textron
Part/Model number: IO360A1B6
Work Order No: 2709

Hour Meter: 2,057.5

TSN/TSO: 2,057.50 / 241.10

CSN/CSO: N/A / N/A

Serial Number: L-15780-51A

Date: 11/20/2019

Squawk

- 2.1 I certify that this engine has been inspected in accordance with the requirements of an annual inspection and has been found to be in an airworthy condition at this time.
- 2.2 Test ran engine and performed compression check. Results are as follows: 1: 79/80 2: 77/80 3: 79/80 4: 78/80. Performed routine engine maintenance and servicing in accordance with Lycoming service manual. Solvent washed and dried engine. Test ran and leak checks OK.
- 2.3 Drained engine oil and took oil sample. Removed oil filter and oil suction screen and inspected elements for debris with no unusual contamination noted. Installed, torqued, and safetied new CH48110-1 filter. Reinstalled oil suction screen. Serviced engine with 8 quarts Phillips 20W50 oil.
- 2.4 Updated AD compliance through 2019-23.
- 2.5 Adjusted propeller governor as necessary to acheive maximum rated RPM. Safetied as required.
- 2.6 Adjusted magneto to engine timing as necessary. Test ran and operational checks OK.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 2709.

Sean Quinn (SEAN)

AP3560704IA

Date: 01/22/20

Tach. Time: 2068.6

WO. No. 19-10438

Lycoming, IO-360-A1B6D, SN: L-15780-51A

- 1) Installed GAMInjectors. Form 337 filed.
- 2) Installed model 442 EZ Heat oil sump heater. (End)



Engine

AVIAN AERONAUTICS Inc.

8900 State Hwy 3 SW. Bremerton, WA. 98312

A&P4021518

Keith A Mooney

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
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289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Manufacturer: Lycoming Div Avco Corp Textron
Part/Model number: IO360A1B6
Work Order No: 2881

Hour Meter: 1.1 (2069,7)
TSN/TSO: N/A / N/A
Serial Number: L-15780-51A
Date: 1/31/2020

CSN/CSO: N/A / N/A

Squawk

1.1 Rest propeller governor high end adjustment and safetied as necessary. Test ran and operational checks OK.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 2881.

Sean Quinn (SEAN)

AP3560704

*** End of Document ***



02/25/2020

Cessna 177RG

S/N: 177RG0954

N34039

Tach: 2089.1

Lycoming IO-360-A1B6D

Changed oil and filter. Inspected filter element; no contamination found. Serviced with 8qts Phillips 20W50 oil and Camguard aviation oil additive. Installed new Tempest AA48103-2 oil filter. All work performed IAW the Lycoming MM and AC 43.13 (b). I certify that the work specified above was carried out in accordance to FAA airworthiness regulations, and with respect to the work performed this engine is approved for return to service. Nathaniel De Velde

AP3763404IA

B&C Quality Aircraft Maint.
253 278-4832

N34039 5/22/2020, Tach: 2123.4

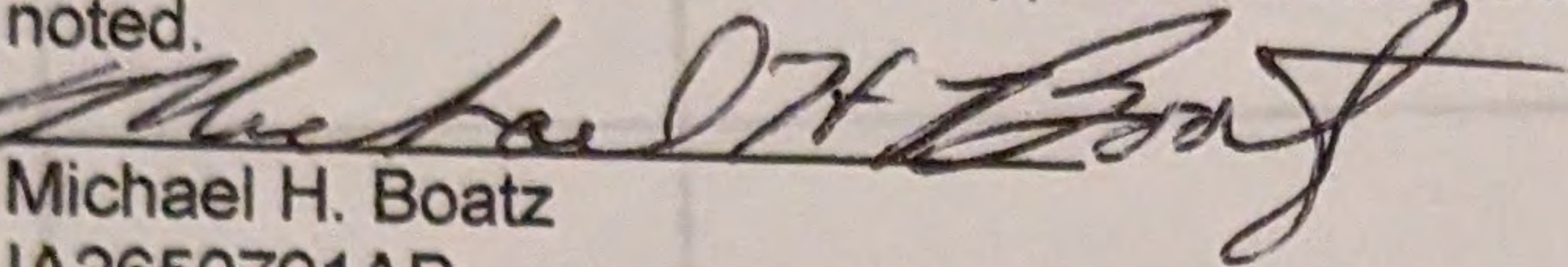
Changed oil and filter. Oil sample taken by owner. Serviced with 8 Qts Phillips 20W50XC and 14.8 ozs of camguard. Installed new AA48103-2 filter. Torqued and saftied. Oil cooler drained and cap saftied. Opened old filter, no metallic contamination noted. Run up and leak check performed.

Michael H. Boatz
IA2650791AP

N34039 8/31/2020, Tach: 2178.6

Changed oil and filter. Oil sample taken. Drained oil cooler and saftied cap. Serviced with 8 qts Phillips 20W50XC and 13 oz of Camguard. Installed new CH48103-1 and saftied. Old filter opened, no metallic contamination noted. Removed all spark plugs. Cleaned, gapped, tested and rotated. Ne M674 gaskets used at installation. Plugs torqued and leads secured. Verified ignition timing set a 25 degree's BTDC +/- 1 degree. Impulse coupling operation verified. Oil quick drain located to copilots side of engine sump. Plug installed on pilots side and saftied. Runup and leak check performed.

Michael H. Boatz
IA2650791AP

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
			N34039 10/12/2020, Tach: 2209.9 Oil and filter changed by owner. Verified filter torque and saftied. Cooler drain cap saftied. No metallic material noted in removed filter. Adjusted mixture to one click lean. Installed new Southco cowl fasteners and cupped washers as required. Ground run accomplished. No leaks noted.
			 Michael H. Boatz IA2650791AP



289 E Perimeter Rd.
Renton, Washington 98057
United States

Telephone: 425-204-0845

www.aceaviationinc.com

Manufacturer: Lycoming Div Avco Corp Textron
Part/Model number: IO360A1B6
Work Order No: 3400

Hour Meter: 2,218.9

TSN/TSO: 2,218.90 / 402.50

Serial Number: L-15780-51A

Date: 12/14/2020

CSN/CSO: N/A / N/A

Squawk

- Squawk**
- 2.1** I certify that this engine has been inspected in accordance with an Annual Inspection and was found to be airworthy at this time.
- 2.2** Airworthiness Directives researched through current revision 2020-25. See separate compliance report.
- 2.3** Complied with A.D. 15-19-07 revised 11/02/2015 by inspection of fuel injector lines and clamps per Lycoming Service Bulletin No. 342G, no discrepancies noted. A.D. due tach 2328.9 or next fuel injector line work, whichever occurs first.
- 2.4** Performed routine maintenance. Check intake and exhaust system. Performed compression check, results are as follows: 1) 76 2) 77 3) 78 4) 74/80. Cleaned gapped and tested plugs. Cleaned and serviced Challenger air filter per CAI. Checked magneto timing to engine. Performed routine engine maintenance and servicing in accordance with Lycoming service manual. Solvent washed and dried engine. Test ran and leak checks OK.
- 2.5** Changed oil and filter. Took oil sample. Checked filter for contamination, none found. Serviced with 7 qts. Phillips 20W50 and one bottle of Camgaurd.
- 2.6** Addressed engine minor squawks as required.
- 2.7** AD 2020-19-06 DNA affected parts not installed.
- 2.8** Complied with Lycoming SI 1425A. Removed all exhaust valves and reamed guides as instructed by SI 1425A. Verified valves moved freely after reaming and reassembled engine. All work was done in accordance with SI and Lycoming overhaul manual.
- In accordance with current Federal Aviation Regulations and the repairs are approved for

2.8 Complied with Lycoming
valves moved freely after reaming and reassembled engine. All work
manual.

These items identified above were repaired and/or inspected in accordance with current Federal Aviation Regulations and the repairs are approved for return to service. Pertinent details of these repairs are on file at the repair station under Work Order Number 3400.

Paul Miller (PAUL)

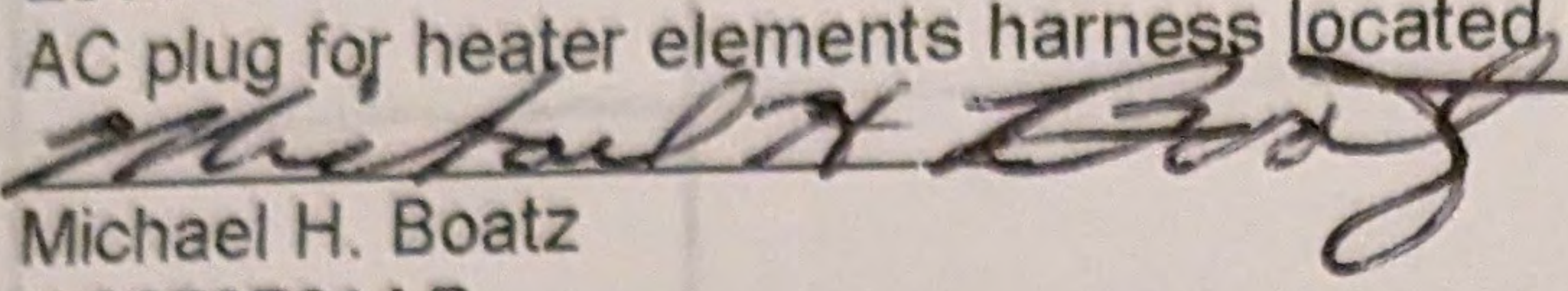
AP537585165IA

SERVICE

METER TIME

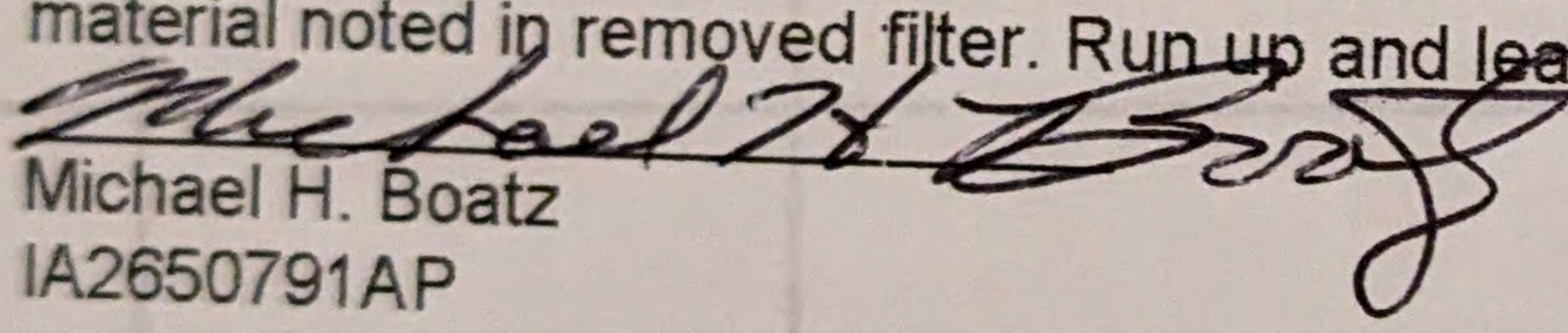
N34039 2/6/2021, Tach: 2234.0

Installed Reiff SL 4 heater system. Installed HotStrip Oil sump heater and HotBand cylinder heating elements. Installation of heaters accomplished per Reiff installation instructions HS-2018-09 and CH 2018-06. Parts are FAA/PMA installed as a minor alteration per FAR 21.93a. AC plug for heater elements harness located at left fwd cowl opening. Weight change +1.07.


Michael H. Boatz
IA2650791AP

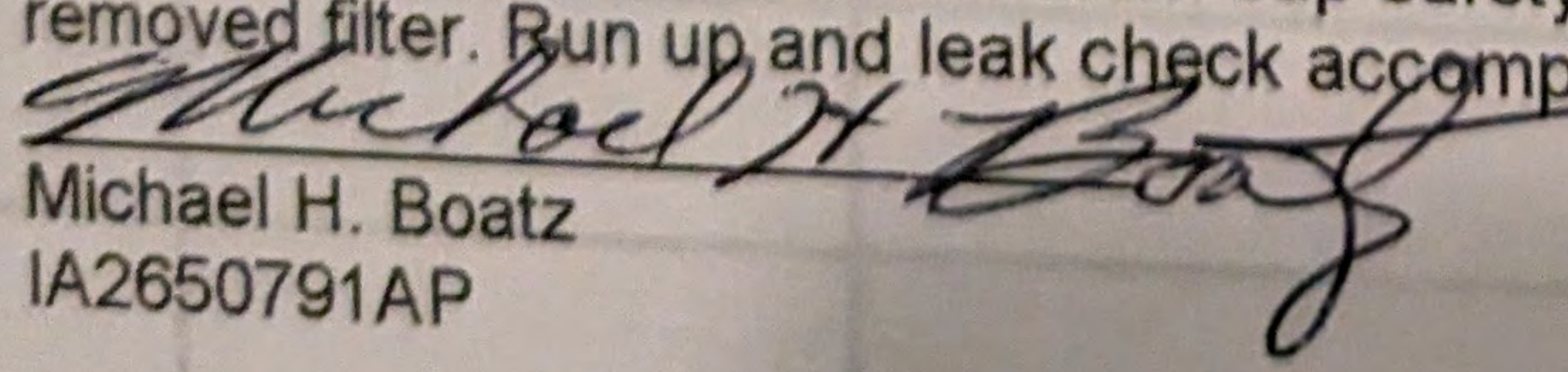
N34039 3/16/2021, Tach: 2243.9

Oil 7qts Phillips 20W50XC plus 12oz camguard and filter CH48103-1 changed by owner. Verified filter torque and safety wire application verified. Cooler drain cap safety wire verified. No metallic material noted in removed filter. Run up and leak check accomplished by owner, verified.


Michael H. Boatz
IA2650791AP

N34039 4/16/2021, Tach: 2269.5

Oil and filter changed. Serviced with 7qts Phillips 20W50XC plus 12oz camguard. New filter CH48103-1 installed and saftied. All work accomplished by owner. Verified filter torque and safety wire application. Cooler drain cap safety wire verified. No metallic material noted in removed filter. Run up and leak check accomplished by owner and verified.


Michael H. Boatz
IA2650791AP

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
12 Jun 2021		2295.6	Oil & filter changed. Serviced with 7 qts phillops 20W50 XC plus 11 oz Camguard. New filter CH48103-1 installed and safetied. Cooler drain cap safetied. Replaced Lord J-7444-14 cond shock mount on top cond. Removed filter inspected by Mike Boatz, no metallic contamination noted.
			Ben J.A. Di
			PPL 4125435

N34039 6/30/2021, Tach: 2304.6
Replaced lug on alternator 12v power wire. Secured to alternator. Set belt tension and saftied hardware.

Michael H. Boatz
Michael H. Boatz
IA2650791AP

ENG LOG

N34039 9/4/2021, Tach: 2323.1
Oil changed by owner. Serviced with 7qts Phillips 20W/50XC plus 12oz camguard and filter CH48103-1. Verified filter torque and safety wired. Verified cooler drain cap secured, safety wired. No metallic material noted in removed filter. Performed compression test: #1 77/80, #2 76/80, #3 76/80 #4 76/80. Performed Borescope inspection on all cylinders. Verified no anomalies noted in cyl walls, piston or valves. All spark plugs cleaned gapped and rotated. New M674 gaskets used at installation. Torqued and installed Ignition leads. Verified ignition timing at 25 degree's +/- 1. C/W AD 15-19-07 Amdt. 39-18269 Eff. Date 11-03-15 Inspection of fuel injection lines per paragraph (e) (ii) & (f) and MSB 342G, no anomalies noted. Recurring due 2433.1 or at overhaul or fuel line maintenance. Run up and leak check accomplished by owner, verified.

Michael H. Boatz
Michael H. Boatz
IA2650791AP

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
B & C Quality A/C Maintenance 253-278-4832 N34039 1-28-2022 TACH: 2337.9 ENG TSMO: 521.5, TOTAL : 2337.9 Annual inspection completed this date powerplant. Comp. check: #1 77/80, #2 77/80, #3 77/80, #4 78/80 (Cold). Removed dual magneto for 500 hr inspection. Work accomplished by Don Eiler AP 3243971 on 23 Dec 2021. See Serviceable Tag. Installed using new gasket and locking hardware. Set ignition timing at 25 +1/-0 degree BTDC. Cleaned, gapped and rotated spark plugs. Tested ignition leads. Cleaned fuel gascolator and injector screen. Assembled and saftied. Leak check performed. Induction filter removed, cleaned and reoiled. Removed Power Flo exhaust assy for inspection and joint antiseize application at all joints. Installed exhaust system using new no-blo gaskets p/n SL77611 qty 4. and new locking hardware. Torqued to 170 inlbs. Pressure tested exhaust system along with visual inspection, no other anomalies noted. Changed oil. Oil sample taken. Serviced with 8 qts Phillips 20W50XC. Installed new oil filter AA48103-2. 13 ozs of camguard added. Old filter opened, no metallic contamination noted. Removed suction screen, cleaned and installed using new AN900-16 copper crush washer. Torqued and saftied. Verified condition of engine shock mounts and attaching structure. Verified alternator belt tension. All controls checked for security and full travels to stops. Lubricated rod ends and pivoting surfaces. Tightened loose mixture attach linkage and saftied. Added alternator out wiring ie aux. wire form alternator to regulator and indicator wire to alt. out light on instrument panel. Wire per Plane power wiring schematic. Added 1.5 amp fused starter run on circuit to installed indicator light. Fuse holder placarded and located in engine compartment. CW AD 15-19-07 Amdt. 39-18269 dated 11-3-2015. Insp fuel injector lines and clamps per SB 342G. No anomalies noted. Recurring due tach: 2447.9 or if fuel injector line work whichever occurs first. AD 20-25-12 DNA affected parts not installed. AD checked through issue 2022-02. Magneto 500 hr inspection due tach 2837.9. Post inspection engine run up performed, system checks normal, no leakage noted. This engine has been annual inspected per Cessna inspection guide and FAR 43 App D and is approved for return to service this date. <i>Michael H. Boatz</i> Michael H. Boatz, IA2650791AP			
N34039 4/17/2022, Tach: 2349.3 Installed new oil filter adapter gasket p/n 06B23072. Installed gasket to plate per service instruction 1453B dated 9-24-2010. Installed adapter plate to engine and torqued to 60 ftlbs. Installed removed oil filter and saftied. Performed engine runup. No leaks noted. Installed fire sleeve on fuel pump outlet line to fuel injector servo where in close proximity to No. 4 cylinder exhaust pipe. Stop drilled horizontal stab rh fairing tip mounting hole crack. <i>Michael H. Boatz</i> Michael H. Boatz IA2650791AP			
5/30/2022	2,365.9	Oil & filter changed. Serviced with 7 qt XC20-50 & 12 oz Camguard. New filter CH48103-1 installed & saftied. Not metal in removed filter. Ground run & leak check OK. Ben JA. Di	

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING WORK)
			B & C Quality A/C Maintenance 253-278-4832 N34039 3-16-2023 TACH: 2418.8 ENG TSMO: 602.4, TOTAL : 2418.8 Annual inspection completed this date powerplant. Comp. check: #1 78/80, #2 78/80, #3 78/80, #4 78/80 (Cold). Borescoped all cylinders, no anomalies noted. Verified ignition timing set at 25 +1/-0 degree BTDC. Cleaned, gapped and rotated spark plugs. Tested ignition leads. Cleaned fuel gascolator and injector screen. Assembled and saftied. Leak check performed. Induction filter removed, cleaned and reoiled. Removed Power Flo exhaust assy for inspection and antiseize application at all joints. Installed exhaust system using new no-blo gaskets p/n SL77611 qty 4. and new locking hardware. Torqued to 1,70 inlbs. Pressure tested exhaust system along with visual inspection, no other anomalies noted. Changed oil. Oil sample taken. Serviced with 7 qts Phillips 20W50XC. Cleaned oil filter housing and element. No metallic contamination noted. Installed filter assy and saftied. 13 ozs of camguard added. Removed suction screen, cleaned and installed using new AN900-16 copper crush washer. Torqued and saftied. Verified condition of engine shock mounts and attaching structure. Verified alternator belt tension. All controls checked for security and full travels to stops. Reset throttle warning activation point per owner dimension. Lubricated rod ends and pivoting surfaces. C/W SB388C exhaust valve wobble test using dial indicator. Valve stem movement within serviceable limits. Relocated voltage regulator to vertical position on aft right engine mount location via ADEL clamps. Relocated engine heater plug recpt. to brkt on baffling aft of right engine inlet hole. CW AD 15-19-07 Amdt. 39-18269 dated 11-3-2015. Insp fuel injector lines and clamps per SB 342G. No anomalies noted. Recurring due tach: 2528.8 or if fuel injector line work, whichever occurs first. AD checked through issue 2023-05. Magneto 500 hr inspection due tach 2837.9. Post inspection engine run up performed, system checks normal, no leakage noted. This engine has been annual inspected per Cessna inspection guide and FAR 43 App D and is approved for return to service this date. <i>Michael H. Boatz</i> Michael H. Boatz, IA2650791AP

N34039 7/10/2023, Tach: 2455.3
Removed cylinders 2 and 4 rocker box drain hoses and installed new. Performed engine runup no leaks from hoses noted.

Michael H. Boatz
Michael H. Boatz
IA2650791AP

B & C Quality A/C Maintenance
253-278-4832

N34039, 10-4-2023, TACH: 2503.1
Reamed carbon from Exhaust valve guide on #3 cylinder per SI1425. Used McFarlane valve guide cleaner VGR-LC4. Replaced No. 3 valve cover gasket. Weld repair accomplished on Power Flo tail pipe retainer clamp pin. Filled notch in pin. Secured oil filler neck and safety wired. Tightened cylinders 1 and 3 rocker box drain hose clamps. Replaced oil cooler drain cap and saftied. Replaced missing baffle screw on front right of engine. CW AD 15-19-07 Amdt. 39-18269 dated 11-3-2015. Insp fuel injector lines and clamps per SB 342G. No anomalies noted. Recurring due tach: 2613.1 or if fuel injector line work, whichever occurs first. Owner accomplished oil change and filter cleaning. Was serviced with 7 quarts XC20-50 and 11 ozs of camguard. Reusable filter cleaned, inspected and reinstalled per mfg instructions. Saftied. No metallic contamination noted.

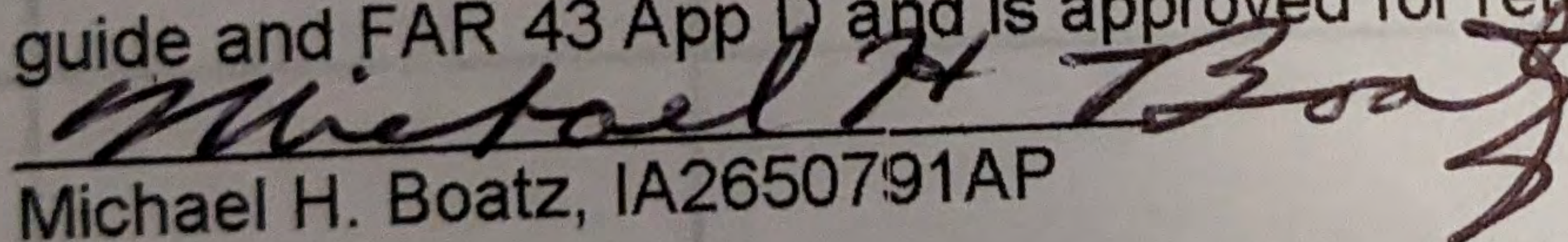
Michael H. Boatz
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IA 2650791 AP

TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED (SIGNATURE AND CERTIFICATION NUMBER OF PERSON PERFORMING)
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B & C Quality A/C Maintenance
253-278-4832

N34039 3-10-2024 TACH: 2521.3 ENG TSMO: 704.9, TOTAL: 2521.3

Annual inspection completed this date powerplant. Comp. check: #1 79/80, #2 80/80, #3 79/80, #4 80/80 (Cold). Borescoped all cylinders, no anomalies noted. Verified ignition timing set at 25 +1/-1 degree BTDC. Installed new RHM38E spark plugs qty 8. Verified gaps. Tested ignition leads. Cleaned fuel gascolator and injector screen. Assembled and saftied. Leak check performed. Induction filter removed, cleaned and reoiled. Removed Power Flo exhaust assy for inspection, weld repair at tailpipe pin clamp hole and antiseize application at all joints. Installed exhaust system using new no-blo gaskets p/n SL77611 qty 4. and new locking hardware. Torqued to 170 inlbs. Pressure tested exhaust system along with visual inspection, no other anomalies noted. Changed oil. Oil sample taken. Serviced with 7 qts Phillips 20W50XC. Cleaned oil filter housing and element. No metallic contamination noted. Installed filter assy and saftied. 13 ozs of camguard added. Removed suction screen, cleaned and installed using new AN900-16 copper crush washer. Torqued and saftied. Verified condition of engine shock mounts and attaching structure. Replaced qty 3 cowl shock mounts. Verified alternator belt tension. All controls checked for security and full travels to stops. Lubricated rod ends and pivoting surfaces. CW SI 1425A dated 1-19-1988. Removed carbon buildup on exhaust guides c/t cylinders #1, #2 and #4. (Cyl #3 accomplished 10-4-2023) Used McFarlane valve guide cleaner VGR-LC4. Replaced valve cover gaskets AEL67193 qty 3. CW AD 15-19-07 Amdt. 39-18269 dated 11-3-2015. Insp fuel injector lines and clamps per SB 342G. No anomalies noted. Recurring due tach: 2631.3 or if fuel injector line work, whichever occurs first. AD checked through issue 2024-03. Magneto 500 hr inspection due tach 2837.9. Post inspection engine run up performed, system checks normal, no leakage noted. This engine has been annual inspected per Cessna inspection guide and FAR 43 App D and is approved for return to service this date.


Michael H. Boatz, IA2650791AP