

Ryan Enders
Aviation Accident Investigator
Eastern Region

Date: January 28, 2026
Subject: ERA24FA301
Contact: Maintenance Record Review

The following are maintenance record excerpts for N4167G.

INFINITY AVIONICS LLC
RAFAEL HERNANDEZ INTERNATIONAL AIRPORT
BROMON DR, HANGAR 573
AGUADILLA P.R. 00603

MAKE & MODEL: CESSNA C402B
TAIL #: N4167G
AIRCRAFT S/N: 402B1214
ACFT TT: 12,175.5
ACFT HOURS: 1225.2

INFINITY AVIONICS
DATE: APR 14, 2024

AIRFRAME ENTRIES

1. PERFORMED AN ANNUAL INSPECTION ON THIS AIRCRAFT IN ACCORDANCE WITH INSPECTION CHECKLIST FROM 14 CFR 43 APP D AND AIRCRAFT MANUFACTURER ANNUAL INSPECTION CHECKLIST. REPETITIVE AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD PREPARED FOR THIS INSPECTION.
2. THE FOLLOWING WORK WAS PERFORMED IAW CESSNA AIRCRAFT MAINTENANCE MANUAL FOR THE MODEL 402B, AC43-13-1B. PERFORMED INSTALLATION AND REPLACEMENT OF THE BELOW AIRCRAFTS ITEMS.
3. ALL TIRES AND BEARING REMOVED, CLEAN, INSPECTED AND REPACKED WITH NEW AVIATION GREASE. ALL TIRES AND BEARINGS WERE INSTALLED. SERVICED ALL 3 TIRE WITH DRY NITROGEN AS PER AIRCRAFT SERVICE MANUAL.
4. FLIGHT CONTROL ACCESS PANELS OPENED, CONTROL CABLES, PULLEYS, AND BELLCRANCKS LUBRICATED WITH LPS 2 LUBRICANT. ALL FLIGHT CONTROL CABLES, PULLEYS, AND BELLCRANCKS INSPECTED AND CLOSED ALL PANELS. FLAPS INSPECTED AND LUBRICATED WITH GREASE.
5. PERFORMED REMOVAL OF EXTERIOR CORROSION, CLEANING AND RE-APPLY PAINT AT MULTIPLE AIRFRAME LOCATION.
6. REMOVAL, INSTALLATION AND RIGGING OF RUDDER CONTROL SYSTEM CABLES, REMOVAL OF SURFACE CORROSION AT RUDDER AREA AND RE-PAINT. REMOVAL OF CORROSION AT VERTICAL STABILIZER AND RE-PAINT AREA.
7. CLEANING OF CORROSION AT YOKE COLUMN ASSY CONTROL WHEEL ON LEFT HAND AND RIGHT-HAND COLUMN. APPLY LPS 3 TO LUBRICATED COLUMN AND LUBRICATED BEARINGS OF CONTROL YOKE COLUMN.
8. PERFORMED REPLACEMENT OF 24 VOLTS AIRCRAFT BATTERY WITH NEW CONCORDE G246. CHARGE AIRCRAFT BATTERY WITH CONSTANT VOLTAGE.
9. PERFORMED RIGGING OF ELEVATOR TRIM TAP AND CHECK TENSION, LUBRICATED CABLES WITH LPS 3.
10. PERFORMED OPERATIONAL CHECK OF FLAPS SYSTEM, PERFORMED 5 FULL DOWN AND FULL UP POSITION. NO DISCREPANCY NOTED.
11. PERFORMED OPERATIONAL TEST GEAR RETRACTION, 7 CYCLES PERFORMED. NO DISCREPANCY NOTED. REPLACEMENT OF L/H AND R/H GEAR TENSION SPRING WITH P/N: 5041005-1.
12. PERFORMED SERVICING OF L/H AND R/H MASTER CYLINDER WITH AIRCRAFT HYDRAULIC 5606.
13. PERFORMED REPLACEMENT OF ELEVATOR TRIM TAP HARDWARE AND REPLACEMENT OF HORN ASSEMBLY WITH NEW P/N: 0831000-50.
14. LUBRICATION OF ALERON TRIM CONTROL WHEEL WITH LPS 3 AND PERFORMED 4 CYCLES OF TRIM TAB UP AND DOWN. NO ISSUE NOTED.
15. PERFORMED REPLACEMENT OF NOSE GEAR STRUT O-RINGS AND O-RING SCAPER AND SERVICE WITH HYDRAULIC AND DRY AIR.
16. APPLY GOODRICH 74-451-178 SHINE MASTER COSMETIC DE-ICE BOOT TREATMENT TO L/H AND R/H WINGS, VERTICAL STABILIZER AND PROPELLERS BOOTS.
17. REPLACEMENT OF L/H AND R/H BRAKE CALIPER NEEDLE BLEED VALVE P/N: 079-00300.
18. LUBRICATION OF NOSE GEAR AND MAIN GEARS FITTINGS WITH AEROSHELL 33 GREASE.
19. WASH AND CLEAN ALL OIL, GREASE AND DIRT FROM AIRCRAFT EXTERIOR WITH WATER AND SOAP.

ALL MAINTENANCE PERFORMED AS PER AIRCRAFT MAINTENANCE MANUAL AND MANUFACTURER INSTRUCTIONS.

I CERTIFY ALL WORK DONE TO THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS DONE IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION WAS FOUND UNAIRWORTHY WITH RESPECT TO THE WORK PERFORMED, A LIST OF THE DISCREPANCY AND MISSING INSPECTION WILL BE PROVIDED TO THE AIRCRAFT OWNER AND OPERATOR W/ MEDICAL CONSULTING.

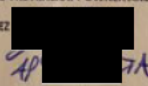
TECH NAME AND SIGNATURE: EDWIN HERNANDEZ 

Figure 1: Airframe entries from annual inspection attempted in April of 2024

INFINITY AVIONICS LLC
RAFAEL HERNANDEZ INTERNATIONAL AIRPORT
BROMON DR, HANGAR 573
AGUADILLA P.R. 00603

MAKE & MODEL: CESSNA C402B
TAIL #: N4167G
AIRCRAFT S/N: 40281214

ENGINE MAKE & MODEL: TSIO-520-EB
ENGINE SERIAL NUMBER: 510525
ENGINE TTSO: 448.7

DATE: APR/14/2024

INFINITY AVIONICS

LEFT ENGINE ENTRIES

- 1- PERFORMED AN ANNUAL INSPECTION ON THIS ENGINE IN ACCORDANCE WITH INSPECTION CHECKLIST FROM 14 CFR 43 APP D AND AIRCRAFT MANUFACTURER ANNUAL INSPECTION CHECKLIST. REPETITIVE AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD PREPARED FOR THIS INSPECTION.
- 2- THE FOLLOWING WORK WAS PERFORMED IAW CESSNA AIRCRAFT MAINTENANCE MANUAL FOR THE MODEL C402B, AC43-13-1B, AND TELEDUNE - CONTINENTAL OVERHAUL MANUAL.
- 3- PERFORMED COMPRESION TEST OF ENGINE CYLINDERS: #1 60/80, #2 61/80, #3 66/80, #4 62/80, #5 68/80 #6 72/80
- 4- REMOVED ENGINE TURBO CHARGER P/N: 406610-9025 WITH S/N: NCR0215, SEND THE TURBOS TO OVERHAUL AT APPROVED TURBO COMPONENTS-FLORIDA INC FAA CRS # [REDACTED] WORK PERFORMED UNDER W/O 43132 AND INSTALLATION OF TURBO AT SAME LOCATION TASK PERFORMED AS PER MANUFACTURER INSTRUCTIONS.
- 5- REMOVE HET PRV P/N: C482002-0103 WITH S/N: AG03299 SEND THE VALVES TO OVERHAUL AT APPROVED TURBO COMPONENTS-FLORIDA INC FAA CRS # [REDACTED] WORK PERFORMED UNDER W/O 43133 AND INSTALLATION OF VALVE AT SAME LOCATION TASK PERFORMED AS PER MANUFACTURER INSTRUCTIONS.

ALL MAINTENANCE PERFORMED AS PER AIRCRAFT MAINTENANCE MANUAL AND MANUFACTURER INSTRUCTIONS.

I CERTIFY ALL WORK DONE TO THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS DONE IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION WAS FOUND **unairworthy** WITH RESPECT TO THE WORK PERFORMED, A LIST OF THE DISCREPANCY AND MISSING INSPECTION WILL BE PROVIDED TO THE AIRCRAFT OWNER AND OPERATOR W/ MEDICAL CONSULTING.

TECH NAME AND SIGNATURE: EDWIN HERNANDEZ [REDACTED]

Figure 2: Left engine entries from annual inspection attempted in April of 2024

INFINITY AVIONICS LLC
RAFAEL HERNANDEZ INTERNATIONAL AIRPORT
BROMON DR, HANGAR 573
AGUADILLA P.R. 00603

MAKE & MODEL: CESSNA C402B
TAIL #: N4167G
AIRCRAFT S/N: 40281214

ENGINE MAKE & MODEL: TSIO-520-E
ENGINE SERIAL NUMBER: 189933-R
ENGINE TTMOH: 1448.7

DATE: APR/14/2024

INFINITY AVIONICS

RIGHT ENGINE ENTRIES

- 1- PERFORMED AN ANNUAL INSPECTION ON THIS ENGINE IN ACCORDANCE WITH INSPECTION CHECKLIST FROM 14 CFR 43 APP D AND AIRCRAFT MANUFACTURER ANNUAL INSPECTION CHECKLIST. REPETITIVE AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD PREPARED FOR THIS INSPECTION.
- 2- THE FOLLOWING WORK WAS PERFORMED IAW CESSNA AIRCRAFT MAINTENANCE MANUAL FOR THE MODEL C402B, AC43-13-1B, AND TELEDUNE - CONTINENTAL OVERHAUL MANUAL.
- 3- PERFORMED COMPRESION TEST OF ENGINE CYLINDERS: #1 44/80, #2 61/80, #3 52/80, #4 42/80, #5 42/80 #6 56/80
- 4- REMOVED NGINE TURBO CHARGER P/N: 406610-9025 WITH S/N: ZGO29363, SEND THE TURBOS TO OVERHAUL AT APPROVED TURBO COMPONENTS-FLORIDA INC FAA CRS # [REDACTED] WORK PERFORMED UNDER W/O 43134 AND INSTALLATION OF TURBO AT SAME LOCATION TASK PERFORMED AS PER MANUFACTURER INSTRUCTIONS.
- 5- REMOVE HET PRV P/N: C482002-0103 WITH S/N: CA01260 SEND THE VALVES TO OVERHAUL AT APPROVED TURBO COMPONENTS-FLORIDA INC FAA CRS # [REDACTED] WORK PERFORMED UNDER W/O 43135 AND INSTALLATION OF VALVE AT SAME LOCATION TASK PERFORMED AS PER MANUFACTURER INSTRUCTIONS.

ALL MAINTENANCE PERFORMED AS PER AIRCRAFT MAINTENANCE MANUAL AND MANUFACTURER INSTRUCTIONS.

I CERTIFY ALL WORK DONE TO THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS DONE IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION WAS FOUND **UNAIRWORTHY** WITH RESPECT TO THE WORK PERFORMED, A LIST OF THE DISCREPANCY AND MISSING INSPECTION WILL BE PROVIDED TO THE AIRCRAFT OWNER AND OPERATOR W/ MEDICAL CONSULTING.

TECH NAME AND SIGNATURE: EDWIN HERNANDEZ [REDACTED]

Figure 3: Right engine entries from annual inspection attempted in April of 2024

INFINITY AVIONICS LLC
RAFAEL HERNANDEZ INTERNATIONAL AIRPORT
BROMON DR, HANGAR 573
AGUADILLA P.R 00603

MAKE & MODEL: CESSNA C402B
TAIL #: N4167G
AIRCRAFT S/N: 40281214
ACFT TT: 12,175.5
ACFT HOBBS: 1225.2

DATE: APR/14/2024

PROP MAKE & MODEL: 3AF32C504.
PROP S/N: 160795
PROP TTSO: 122

R/H PROP ENTRIES

- 1- PERFORMED AN ANNUAL INSPECTION ON THIS PROPELLER IN ACCORDANCE WITH INSPECTION CHECKLIST FROM 14 CFR 43 APP D AND AIRCRAFT MANUFACTURER ANNUAL INSPECTION CHECKLIST. REPETITIVE AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD PREPARED FOR THIS INSPECTION.
- 2- OPERATIONAL TEST OF PROPELLER PERFORMED, ALL INDICATIONS GOOD, OPERATION SATISFACTORY.
- 3- OPERATIONA TEST OF PROPELLER ANTI ICE PERFORMED. NO DISCREPANCY NOTED.

ALL MAINTENANCE PERFORMED AS PER AIRCRAFT MAINTENANCE MANUAL AND MANUFACTURER INSTRUCTIONS.

I CERTIFY ALL WORK DONE TO THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS DONE IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION WAS FOUND **UNAIRWORTHY** WITH RESPECT TO THE WORK PERFORMED, A LIST OF THE DISCREPANCY AND MISSING INSPECTION WILL BE PROVIDED TO THE AIRCRAFT OWNER AND OPERATOR W/ MEDICAL CONSULTING.

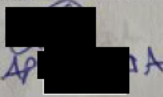
TECH NAME AND SIGNATURE: EDWIN HERNANDEZ 

Figure 4: Right propeller entries from annual inspection attempted in April of 2024

INFINITY AVIONICS LLC
RAFAEL HERNANDEZ INTERNATIONAL AIRPORT
BROMON DR, HANGAR 573
AGUADILLA P.R 00603

MAKE & MODEL: CESSNA C402B
TAIL #: N4167G
AIRCRAFT S/N: 40281214
ACFT TT: 12,175.5
ACFT HOBBS: 1225.2

DATE: APR/14/2024

PROP MAKE & MODEL: 3AF32C504.
PROP S/N: 984054
PROP TTSO: 122

L/H PROP ENTRIES

- 1- PERFORMED AN ANNUAL INSPECTION ON THIS PROPELLER IN ACCORDANCE WITH INSPECTION CHECKLIST FROM 14 CFR 43 APP D AND AIRCRAFT MANUFACTURER ANNUAL INSPECTION CHECKLIST. REPETITIVE AIRWORTHINESS DIRECTIVE COMPLIANCE RECORD PREPARED FOR THIS INSPECTION.
- 2- OPERATIONAL TEST OF PROPELLER FEATHER PERFORMED, ALL INDICATIONS GOOD, OPERATION SATISFACTORY.
- 3- OPERATIONA TEST OF PROPELLER ANTI ICE PERFORMED. NO DISCREPANCY NOTED.

ALL MAINTENANCE PERFORMED AS PER AIRCRAFT MAINTENANCE MANUAL AND MANUFACTURER INSTRUCTIONS.

I CERTIFY ALL WORK DONE TO THE AIRCRAFT AND/OR COMPONENT IDENTIFIED ABOVE WAS DONE IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION WAS FOUND **UNAIRWORTHY** WITH RESPECT TO THE WORK PERFORMED, A LIST OF THE DISCREPANCY AND MISSING INSPECTION WILL BE PROVIDED TO THE AIRCRAFT OWNER AND OPERATOR W/ MEDICAL CONSULTING.

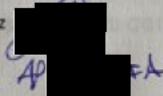
TECH NAME AND SIGNATURE: EDWIN HERNANDEZ 

Figure 5: Left propeller entries from annual inspection attempted in April of 2024

Cessna 402 squawks list

- 1- ordenar strut de la puerta de emergencia — Done
- 2- shimmy damper repair — Done
- 3- R/H break leaking and not breaking good — Done
- 4- L/H break leaking from calipers — Done
- 5- blue paint at area airframe areas — Done
- 6- installed and finish with all tail area defects
- 7- ELT battery and elt switch — Done
- 8- placards around the aircraft (no step, fuel low lead , no push, and avionics c/b and switches) — Done
- 9- l/h and r/h engine cowling fasteners and cam locks — Done
- 10- nose fairing cover required replacement of all cam locks screws are corroded.
- 11- pitot probe requires replacement due to corrosion and no insulation. (to be evaluated with insulation test)
- 12- 24 months inspection of Pitot static and ATC due
- 13- cockpit emergency door requires new strut repair to remain open.
- 14- fuel tanks l/h and r/h cap required new o ring or seal — Done
- 15- fuel drain valve is with corrosion and stays wet required replacement.
- 16- damaged on back door lower l/h side required paint and repair
- 17- tail nav light fairing is broken requires new fairing, bulb and voltage cables holder .
- 18- emergency exit door at R/H mid cabin area is with excessive protruding aluminum, requires to be removed for adjustment.
- 19- inop r/h nav light bulb — Done
- 20- l/h and r/h wheels are worn out required replacement (stock at hangar)
- 21 - nav data base required update for IFR operation
- 22- avionics vacuum system filter required replacement (due by time)
- 23- cockpit fire extinguisher (due by time)

Figure 6: Page 1 of discrepancies from the attempted annual inspection in April of 2024

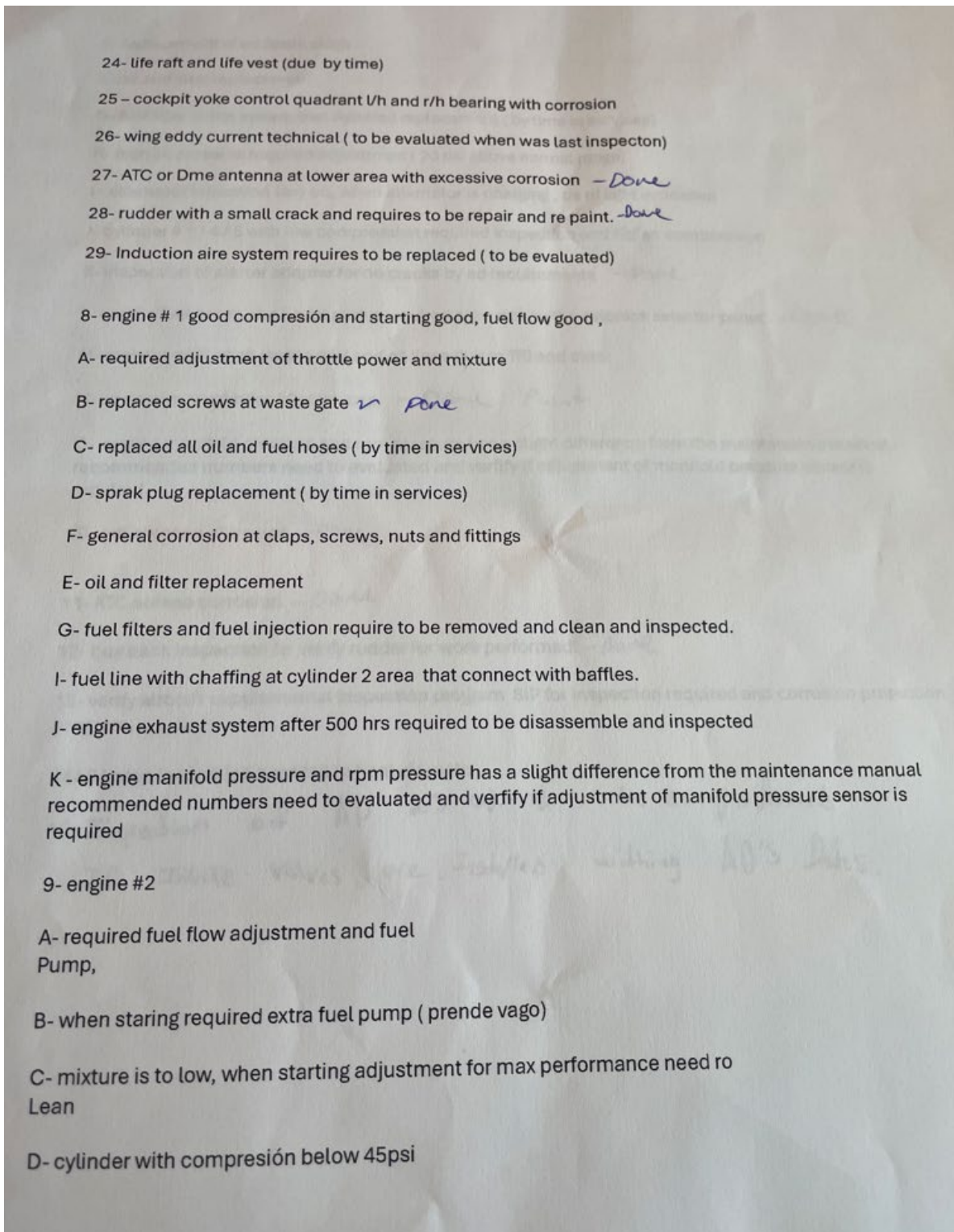


Figure 7: Page 2 of discrepancies from the attempted annual inspection in April of 2024

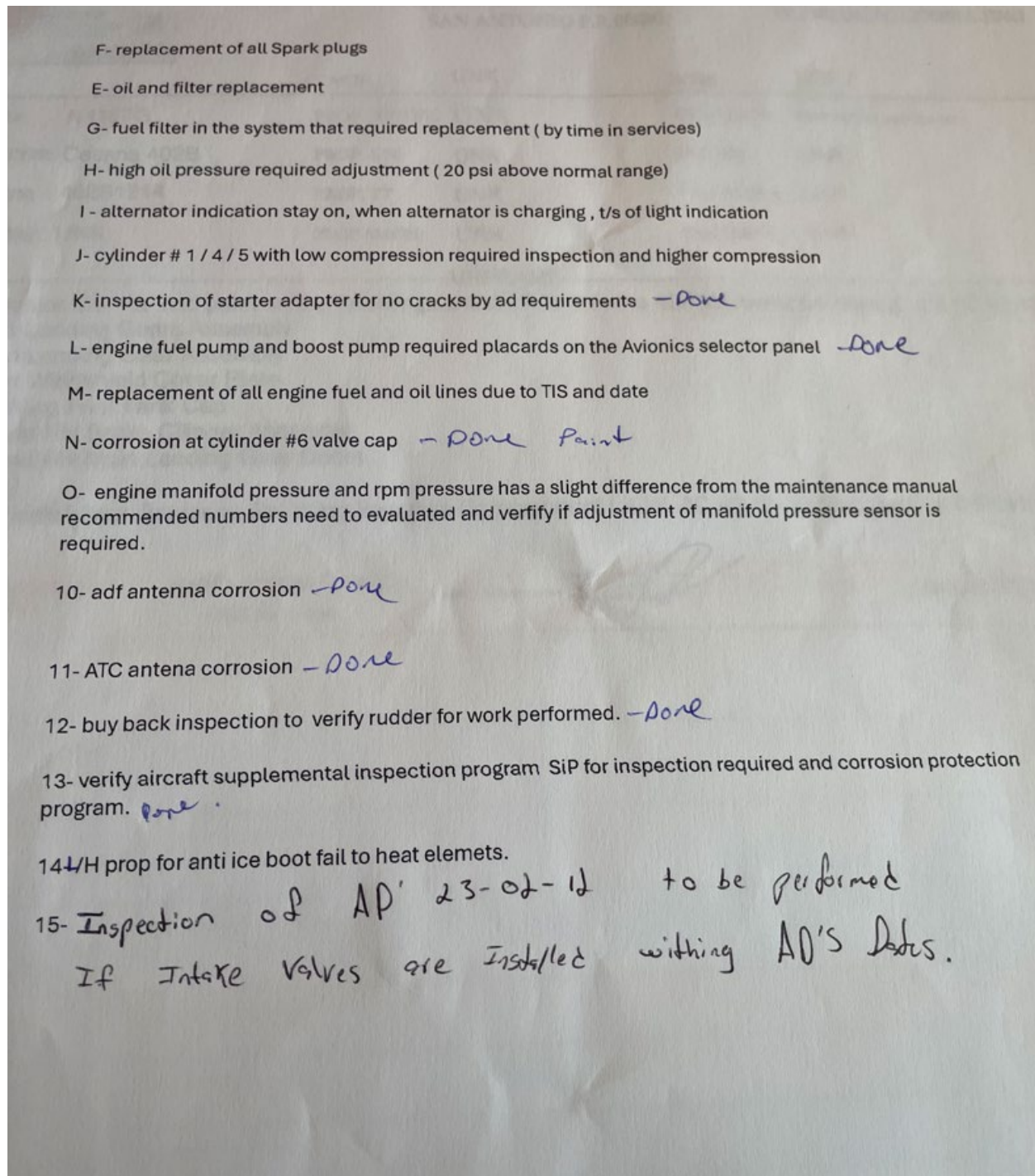


Figure 8: Page 3 of discrepancies from the attempted annual inspection in April of 2024

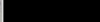
	JD AIRCRAFT SERVICE LLC 1068 AVE. GENERAL RAMEY #443 SAN ANTONIO P.R 00690	CUSTOMER: W J MEDICAL CONSULTING
TACH: UNK HOBB: 1225.2		
TAIL#: N4167G A/C TYPE: Cessna 402B A/C S/N: 402B1214 AC TTAF: UNK	PROP. MODEL: UNK PROP. S/N: UNK PROP. TT: UNK PROP SMOH: UNK	ENG. MODEL: CONT MOTOR TSIO-520 SER. ENG S/N: UNK ENG TSNEW: UNK ENG SMOH: UNK
AIRFRAME		
1. Corrosion Control and paint on the followings areas I.A.W Cessna 402 Maintenance Manual and AC 43.13-1B. A. Main Landing Gears Assembly 3. Nose Landing Gear Assembly C. Front Windshield Cover Plate D. RH Wing Fuel Tank Cap E. LH and RH Brake Cilinder Assembly F. LH and RH Main Landing Gear Doors 2. Performed Minor Repair on RH Wing Baggage Compartment I.A.W AC 43.13-1B Standards and Practice.		
AIRCRAFT MECHANIC: CERTIFICATE #:	José D. Jiménez Correa A&P 	 Firmado digital D. Jiménez Co Fecha: 2024.0 0402 18-mar-2024

Figure 9: Logbook entry prior to the annual attempted in April of 2024



UC AVIATION
SERVICES

UCAS MT-100

FECHA	01 MAY 2019
OPERADOR	PRIVATE
MATRICULA	N4167G
MODELO	402B
SERIAL	402B1214
WORK ORDER	190501

RECORD DE INSPECCIONES

TIEMPO TOTAL	12,126.8	PITOT STATIC (RAD91.411)	ABR 02 2018
TACHOMETRO	1,176.5 HOBBS	XPDR (RAD91.413)	ABR 02 2018
PESO & BALANCE	16 ABR 2018	ELT (RAD 91.207)(e)	01MAY2019
		BATERIA DE ELT	ABR 2023

MOTOR #1

MARCA	CONTINENTAL	TSN	4,611.3	CSN	N/A
MODELO	TSIO-520-EB	TSO	353.0	CSO	N/A
SERIAL	510525				

CHEQUEO DE COMPRESION

#1	60/80	#2	66/80	#3	72/80
#4	66/80	#5	72/80	#6	74/80

MOTOR #2

MARCA	CONTINENTAL	TSN	9,073.5	CSN	N/A
MODELO	TSIO-520-E	TSO	1,400.0	CSO	N/A
SERIAL	183933-R				

CHEQUEO DE COMPRESION

#1	64/80	#2	60/80	#3	58/80
#4	60/80	#5	58/80	#6	72/80

HELICE #1

MARCA	McCAULEY	TSN	8,177.7
MODELO	3AF32C504-C	TSO	73.3
SERIAL	984054		

HELICE #2

MARCA	McCAULEY	TSN	5,619.9
MODELO	3AF32C504-C	TSO	73.3
SERIAL	160795		

22/11/2017

Manual Taller de Mantenimiento Aeronáutico

Republica Dominicana

Apéndice 1, MCTMA

Checklist Annual / 100Hrs

Figure 10: Logbook entries from the previous annual inspection in 2019

UCAS MT-103

UC AVIATION
SERVICES

FECHA 01MAY2019
WORK ORDER 190501
MATRICULA N4167G

MOTOR IZQ

Cilindro No.	Compresión
1	60/80
2	66/80
3	72/80
4	66/80
5	72/80
6	74/80

MODELO TSIO 520 EB
SERIE 510525

MOTOR DER

Cilindro No.	Compresión
1	64/80
2	60/80
3	58/80
4	60/80
5	58/80
6	72/80

MODELO TSIO 520 E
SERIE 984054

MECANICO	J.R.
INSPECTOR	B.V.

12/06/2017 Republica Dominicana
Manual Taller de Mantenimiento Aeronáutico Apéndice 1, MCTMA
Compresión de Cilindros

Figure 11: Logbook entries from the previous annual inspection in 2019

Cessna 402B, N4167G, s/n 402B1214
STC/337 List Dated 26Apr2018

- 04/2018. **STC/337. SA02019SE-D, SA01714WI** – Removed KMA 24 Audio Panel, KR-87 ADF, KI-227 ADF indicator, KX-155, RT485A, RT-359A Transponder & KN-64 DME. Installed Garmin GMA-345, GTN-750 GPS/NAV/COM, Garmin GA-35 Antenna, Garmin GTX-345 ADSB Out Transponder, Garmin GI-106A Indicator, Garmin GNC-255A Nav/Com.
- 01/2018 **337** – Verify the correct removal of the previously installed Aerodesign Aircraft Engineering Inc. Cargo Net System previously installed on 09/2006 and the removal of the Kydex 100 Thermoplastic Sheets .060 under the interior side panels & Headliner.
- 01/2018 **STC/337 SA71GL** – Verify the correct installation of the previously installed Brackett Air Filters
- 12/2010 **STC/337 SE09846SC** – Install Aircraft Specialties Services Starter adapter spring part # S539800M40 and modify shaft gear and brass gear.
- 05/2009 **337** – Replace the right aft aux Spar part# 5221027-202.
- 11/2005 **337** – Replace left & Right Wings with part # 0822037-51 and 0822037-52. Install wing spar cap kit # SK402-46A and reconfigure fuel system and de-ice boots to match later model 402B s/n 402B1214.
- 05/2004 **STC/337 SA802NE** – Install Aviation Management Services Inc. Heated Windshield Panel & controller, part # SK 310-114-0.
- 11/2002 **STC/337 SA00040LB** – Installation of Kinsley tailpipe on right engine.
- 05/2002 **STC/337 SA00040LB** – Replace left engine turbo charger exhaust pipe with a Kinsley Welding Inc. pipe.
- 02/2000 **STC/337 SA01117AT** – Replace both spinners with TCB Composite Spinners.
- 08/1999 **337** – Repairs to left engine mount rail assembly.
- 12/1993 **337** – Repairs to Rudder by replacing left & right lower skins.
- 12/1993 **337** – Install a D&M ELT-6.
- 07/1986 **337** – repairs to forward fuselage nose section and windshield area by replacing skins, bulkheads and windshield.

Prepared by Mike L. Mays DART [REDACTED] Dated 26Apr2018

Figure 12: Supplemental Type Certificate and 337 list from 2018

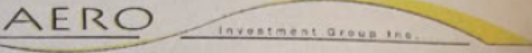
AIRCRAFT LOGBOOK

AIRCRAFT MAKE/MODEL: _____

PAGE #: _____

AIRCRAFT SERIAL NUMBER: _____

REGISTRATION: _____

			
Aircraft Type: Cessna	Aircraft S/N: 402B1214	Aircraft TT: 12,079.2 hrs	Hour Meter: 1128.9 hrs
Model: 402B	Registration No: N4167G	Entry: Airframe	Date: 6/25/2018

Inspections:

- **Pilot report brake system erratic during landing-** Accomplish with brake system inspection, during inspection found caliper and brakes lining satisfactory at this time. During hydraulic brake lines detail inspection found right line loose on the upper side of right gear wheel well. Accomplish to re-torque all line and service hydraulic brake system. Also, accomplish to bleed brake system as required. All work done IAW Cessna 402B Service Manual D777C21-13, Change 21, Date June 3 2002.

Approval to Return to Service

I Certify the above describe maintenance job was accomplished and inspected IAW all Federal Aviation Administration regulations and all applicable standards of airworthiness, I Certify that to be in airworthy condition to return to service. Details on file at Million Air San Juan @.

Angel A Rodriguez
A&P

DATE: 06/06/2019
REGISTRATION: N4167G
MAKE: CESSNA
MODEL: 402B
SERIAL: 402B1214
AFTT: 12,126.8
HOBBS: 1,176.5

**AIRFRAME LOG****WORK DESCRIPTION:**

Complied with an **ANNUAL /100HRS** inspection IAW CESSNA 402B MM & FAR 43 Appendix D. Complied with landing gear normal and emergency retraction test, all normal. Lubricated and greased all wheel bearing and cables, check tensions, all normal. Change ELT battery good until **DEC/2023**. Complied with an ELT inspection IAW FAR 91.207(D). All AD's complied with at this time.
I Certify that this aircraft has been found to be in an airworthiness condition at this time.

BRIAN VERA
A&P

Figure 13: Airframe entry for the last completed annual inspection in June of 2019

AIRCRAFT LOGBOOK

AIRCRAFT MAKE/MODEL: _____ PAGE #: _____

AIRCRAFT SERIAL NUMBER: _____ REGISTRATION: _____

DATE: 07/04/2019
 REGISTRATION: N4167G
 MAKE: CESSNA
 MODEL: 402B
 SERIAL: 402B1214
 AFTT: 12,126.8
 HOBBS: 1,176.5



WORK DESCRIPTION:

INSTALLED: JPI EDM-790C twin engine analyzer TSO C43c IAW EDM 760/790
 Twin Installation Manual Date: 08-01-14 Rev. A per **STC SA00729SE**. Consist of:

- (1ea) LCD Display indicator
- (12ea) EGT Probe Kit P/N: 1280, grounded, 1-2" Clamp, Probe P/N: M-111 TSO C-43
- (10ea) CHT Bayonet Kit P/N: 1260, grounded, 3/8-24 UNF Probe P/N: 5050 TSO C-43
- (2ea) CHT Gasket P/N: MM-113 3/8 Universal Mount
- (2ea) P-2 20ft harness P/N: 700750-20 EGT and CHT
- (1ea) P-3 P/N: 760200 15 Pin power and options.

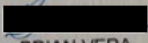

BRIAN VERA
 A&P 

Figure 14: Only airframe entry post 2019 annual inspection

ENGINE LOGBOOK

(LEFT) / RIGHT

ENGINE MODEL: TSIO-520EB TBO #: 1400hrs/12yrs

ENGINE SERIAL NUMBER: 510525 REGISTRATION: N41676

12/14/11

ENGINE CERTIFICATE FAA Repair Station [REDACTED]

Major overhaul engine in accordance with manufacturers specification and current federal aviation regulations. All current airworthiness directives complied with at overhaul. Magnaflux and zygo inspection of appropriate parts. Work Order No. 26236 on file at One Stop Aviation, Oceanside; engine reassembled, test run, and OK to return to service.

Model TSIO-520EB Serial No. 510525

Authorized representative [REDACTED]

"O" SMITH

Type: Continental TSIO-520-EB

QTY	PART NUMBER	DESCRIPTION	QTY	PART NUMBER	DESCRIPTION
8	SA 350998	crankshaft bushing	1	SA 646592-A1 M10	main bearing set
16	SA 639193	c/w bushing	2	SA 641909	nose plate
6	530658	rod bushing	4	SA 649205	screw
12	SA 520129	rocker arm bushing	8	SA 646605	nut
1	630899	bearing	4	SA 631088.44	bolt
2	SA 643626-103	c/w pin	6	SA 536379	crank screw
2	SA 643626-104	c/w pin	12	SA 646277	lifter ex
4	SA 643626-105	c/w pin	6	630046	piston pin
16	SA 643629	c/w plate	2	531178	mag retainer
16	SA 629104	c/w snap ring	4	SA 638172	mag cushion
1	502287-3	retainer ring s/a	1	632652	o/pres. relief spring
1	521649-3	retainer ring s/a	1	CH48108-1	oil filter
1	534685	ball bearing s/a	12	RHB32E	spark plug
1	SA 539800	spring s/a	6	SA 534857-S	r/c gasket silicone
1	SA 641368	needle bearing s/a	24	MS 20500-428	exhaust nut
1	SA 630680	bearing s/a	8	641931-10.75	thru bolt
1	SA 501867	tab s/a	1	M1730	ignition harness
1	X13041	ball bearing s/a	1	AEC 639389	s/a shaft s/a
2	MS 35756-8	key s/a	1	642523	balance tube u/s
12	SA 652541	cb nut	1	649406	oil filler tube u/s
36	SA 531001	cb nut	1	649520	camshaft regrnd by D & S Cam Corp
24	653188	thrust washer	1	649054A13-3	fuel system ovh/exch by Western Skyways
1	SA 633570-A5	gasket kit	1	646275-1	starter ovh/Exch by Hartzell Technologies
1	SA 641250	nose seal	1	1E775	oil cooler ovh by Positech Internat'l
12	655961	rod bolt	1	10-163020-3	magneto ovh by Western Skyways
12	654490	rod nut	1	10-163060-1	magneto ovh by Western Skyways
12	SA 642398 M10	rod bearing	6	SA 52006-A22P	Superior Millennium cylinder complete assy

Figure 15: Left engine overhaul entry

ENGINE LOGBOOK

ENGINE MAKE / MODEL: TSIO-520-EB REGISTRATION NUMBER: N41676
 ENGINE SERIAL NUMBER: 510525 PAGE NUMBER: 4

		2500 NW 21st Ter, HONOLULU 1 FORT LAUDERDALE, FL 33309 (354) 558-0133		LH ENGINE ENTRY	
AIRCRAFT:	N4167G	MAKE:	CONTINENTAL	MODEL:	TSIO-520-EB
TSN:	4,611.3	CSN:	N/A	TSO:	286.0
				CSO:	N/A
					DATE: 4/23/2018

PERFORMED A 100HR INSPECTION IN THIS ENGINE IN ACCORDANCE WITH CONTINENTAL TSIO-520 SERVICE MANUAL. DRAINED OIL AND INSPECTED FILTER, NO METAL FOUND. SERVICED WITH 12 Qts PHILIPS 100W. INSTALLED NEW AA8108-2 OIL FILTER. TEST RUN - NO LEAKS. REMOVED, CLEANED AND REINSTALLED FUEL INJECTORS. REMOVED, CLEANED, RECAPPED AND REINSTALLED SPARK PLUGS. COMPRESSORS: R1: 70/90, R2: 70/90, R3: 72/90, R4: 65/80, R5: 60/80, R6: 78/80. LUBRICATED ALL ENGINE CONTROLS. AD'S CHECKED THROUGH 2018-08 SEE LISTING FOR COMPLIANCE DETAILS.

The Engine identified above was inspected in accordance with current regulations of the Federal Aviation Administration and has been determined to be in an airworthy condition at this time. Pertinent details are on file at this repair shop under W.O. 18-013.

[Signature]

DATE: 06/06/2019
 REGISTRATION: N4167G
 MAKE: CONTINENTAL
 MODEL: TSIO-520-EB
 SERIAL: 510525
 AFTT: 12,126.8
 TTSO: 353.0
 HOBBS: 1,176.5

UC AVIATION
L/H ENGINE LOG

WORK DESCRIPTION:

Complied with an 100 HRS inspection (see Continental TSIO-520 service manual and FAR 43 Appendix D. Drain oil and inspected filter. No metal found. Service engine with 12 Qts TOTAL AERO XPD 100. Removed and installed new spark plugs URHB-32E. Lubricated all engine controls. All AD's complied with at this time. I certify that this aircraft has been found to be in an airworthiness condition at this time.

[Signature]

Figure 16: Left engine annual inspection in June of 2019

ENGINE LOGBOOK

ENGINE MAKE / MODEL: TSIO-520-EB REGISTRATION NUMBER: N 41676
 ENGINE SERIAL NUMBER: 510525 PAGE NUMBER: 5

		Isla Grande Flying School Aviation Maintenance Services		
PO BOX 192343 SAN JUAN PUERTO RICO 00919-2343 TEL: (787) 722-1100 - 722-5760 - FAX: 722-6611				
Date	Registration	Manufacturer	Model	Serial #
11-27-2020	N4167G	TELEDYNE-CONTINENTAL	TSIO-520-EB	510525
HOBBS	Total Time	TSOH		
1223.8	Not Available	400.3		

LEFT ENGINE LOG BOOK ENTRY

The following work was performed in accordance with Cessna Aircraft Maintenance Manual for the model 402B, AC43.13-1B, and Teledyne-Continental Overhaul Manual as applicable, in order to satisfactorily complete this inspection. Copy of related documents and applicable 8130-3 forms, serviceable (yellow) tags or other traceability documents attached to this aircraft's records:

- Replaced Left Hand Tailpipe, with new kit manufactured by Knitely Welding Inc., by Authorization # [redacted] and under Work Order # 166325. Kit contents follow: K0850711-43 (-43A) L.H. Tailpipe, U84 A-350M Support Clamp, K0850711-101 L.H. Support Bracket, MS210-43-6 Nut, and AN960C-516 Washer.
- Engine run-up performed all operations and indications satisfactory, no leaks detected.

I certify the entry identified above was repaired in accordance with current FAA Regulations and for the work performed on by, was found airworthy and is one [redacted] [redacted]

Authorized Signature: [redacted] Carlos E. Reyes AP [redacted]
 Isla Grande Flying School & Service Corp., P.O. Box 192343, San Juan, P.R. 00919-2343

Figure 17: Only left engine logbook entry post June 2019 annual inspection

ENGINE CERTIFICATE FAA Repair Station [REDACTED] 10/24/08

Major overhaul engine in accordance with manufacturers specification and current federal aviation regulations. All listed current airworthiness directives and listed service bulletins complied with at overhaul. Magnaflux and zyglo inspection of appropriate parts. Work Order No. 24222 on file at One Stop Aviation, Inc., Oceanside; engine reassembled, test run, and OK to return to service.

Model TSIO-520-E Serial No. 183933-R

Authorized representative [REDACTED]

O'Smo H

Figure 18: Right engine overhaul logbook entry

ENGINE LOGBOOK
LEFT / RIGHT

ENGINE MODEL: TSIO-520-E TBO #: 1400 / 12 Years
ENGINE SERIAL NUMBER: 183933-R REGISTRATION: N4167G

Touch N Go Aeroworks		5500 NW 21st Terr, HANGAR 5 FORT LAUDERDALE, FL 33309 (954) 558-9199		RH ENGINE ENTRY
AIRCRAFT: <u>N4167G</u>	MAKE: <u>CONTINENTAL</u>	MODEL: <u>TSIO-520-E</u>	SERIAL: <u>183933-R</u>	DATE: <u>4/23/2018</u>
TSN: <u>9.073.5</u>	CSN: <u>N/A</u>	TSO: <u>1,333.0</u>	CSO: <u>N/A</u>	

PERFORMED A 100HR INSPECTION IN THIS ENGINE IN ACCORDANCE WITH CONTINENTAL TSIO-520 SERVICE MANUAL. DRAINED OIL AND INSPECTED FILTER. NO METAL FOUND. SERVICED WITH 12 Qts PHILLIPS 100W. INSTALLED NEW AA48308-2 OIL FILTER. TEST RUN - NO LEAKS. REMOVED, CLEANED AND REINSTALLED FUEL INJECTORS. REMOVED, CLEANED, REGAPPED AND REINSTALLED SPARK PLUGS. COMPRESSIONS: #1: 70/80, #2: 72/80, #3: 66/80, #4: 64/80, #5: 56/80, #6: 66/80. LUBRICATED ALL ENGINE CONTROLS. AD'S CHECKED THROUGH 2018-08 SEE LISTING FOR COMPLIANCE DETAILS.

The Engine identified above was inspected in accordance with current regulations of the Federal Aviation Administration and has been determined to be in an airworthy condition at this time. Pertinent details are on file at this repair shop under W.O. 18-013.

[REDACTED]
Brian Vera (A&P)

DATE: 06/06/2019
REGISTRATION: N4167G
MAKE: CONTINENTAL
MODEL: TSIO-520-E
SERIAL: 183933-R
AFTT: 12,126.8
TTSO: 1,400.0
HOBBS: 1,176.5

UCAVATION
Service
R/H ENGINE LOG

WORK DESCRIPTION:

Complied with an 100 HRS inspection per Continental TSIO-520 service manual and FAR 43 Appendix D. Drain oil and inspected filter. No metal found. Service engine with 12 Qts TOTAL AERO XPD100. Removed and Installed new spark plug URHB 32E. Lubricated all engine controls. All AD's complied with at this time. I Certify that this aircraft has been found to be in an airworthy condition at this time.

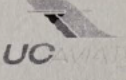
[REDACTED]
BRIAN VERA
(A&P)

Figure 19: Right engine annual inspection in June of 2019

PROPELLER LOGBOOK

PROPELLER MAKE / MODEL: 3AF32C504-C REGISTRATION NUMBER: N4167G
 PROPELLER SERIAL NUMBER: 984054 PAGE NUMBER: 2

DATE: 06/06/2019
 REGISTRATION: N4167G
 MAKE: McCAULEY
 MODEL: 3AF32C504-C
 SERIAL: 984054
 AFTT: 12,126.5
 TTSO: 73.3
 HOBBS: 1,176.5


L/H PROPELLER LOG

WORK DESCRIPTION:

Complied with an **100HRS** inspection IAW McCAULEY Maintenance Manual and FAR 43 Appendix D. All AD's complied with at this time. I Certify that this aircraft has been found to be in an airworthiness condition at this time.

[Redacted Signature]

BRIAN VERA
A&P

Figure 20: Left propeller annual inspection in June of 2019

PROPELLER LOGBOOK

PROPELLER MAKE / MODEL: 3AF32C504-C REGISTRATION NUMBER: N4167G
 PROPELLER SERIAL NUMBER: 160795 PAGE NUMBER:

DATE: 06/06/2019
 REGISTRATION: N9540Y
 MAKE: McCAULEY
 MODEL: 3AF32C504-C
 SERIAL: 160795
 AFTT: 12,126.8
 TTSO: 73.3
 HOBBS: 1,176.5


R/H PROPELLER LOG

WORK DESCRIPTION:

Complied with an **100HRS** inspection IAW McCAULEY Maintenance Manual and FAR 43 Appendix D. All AD's complied with at this time. I Certify that this aircraft has been found to be in an airworthiness condition at this time.

[Redacted Signature]

BRIAN VERA
A&P

Figure 21: Right propeller annual inspection in June of 2019

Isla Grande Maintenance & Avionics Services - FAA CRS 1QPR832B
 I certify the altimeter and static system tests required by 14
 CFR §91.411, and the transponder tests, including data
 correspondence required by § 91.413, have been performed
 and found to comply with 14 CFR Part 43, appendix E and F and
 91.227

A/C N: 4167G Work Order #: 2020-133
 #1 Altimeter Make & Model: UNITED 5934P-1
 S/N 1H564
 The #1 altimeter was tested to 20K Ft. on: 12-1-20
 #2 Altimeter Make & Model: UNITED 5934P-1
 S/N 7F532
 The #2 altimeter was tested to 20K Ft. on: 12-1-20
 Standby Altimeter Make & Model: NA
 S/N NA
 The Standby altimeter was tested to NA Ft. on: NA
 #1 Transponder Make & Model: GARMIN GTX345
 S/N 386020463
 The #1 transponder was tested on: 12-1-20
 #2 Transponder Make & Model: NA
 S/N NA
 The #2 transponder was tested on: NA
 Encoder data correspondence was tested to: 20K
 on 12-1-20 tested on: 12-1-20
 Signature: [Redacted] Date: 12-1-20
 Certificate #: [Redacted]
 Donald Dolsen

ALTIMETER CORRECTION CARD RT
 Isla Grande Maintenance & Avionics Services
 Customer U3 MEDICAL CONSULTING
 W.O. # 2020-133
 Manuf. UNITED
 S/N 7F532
 Max. Altitude [Redacted]
 Donald Dolsen
 Certificate # [Redacted]

Altitude	Tol. (+/-)	Actual	Friction	Hysteresis	Hysteresis
-1000	20	0			
0	20	0			
500	20	0			
1000	20	0	70		
1500	25	0			
2000	30	-10	70		
3000	30	0	70		
4000	35	0			
6000	40	-10			
8000	60	-20			
10000	80	-20	80		
12000	90	-30			
14000	100	-20			
16000	110	-20			
18000	120	0			
20000	130	-30	100		
22000	140				
25000	155		120		
30000	180		140		
35000	205		160		
40000	230		180		
45000	255				
50000	280		250		

Pressure Altitude Difference			
Baro. Press.	Alt. Diff	Actual	Actual
28-10	-1727	1730	230
28-50	-1340	1340	340
29.00	-863	860	70
29.50	392	390	100
29.92	0	0	0
30.50	531	540	30
30.90	893	895	90
30.99	974	980	70

Test Tolerance		
Case Leak	Tol. 100 +/-	Actual
After Effect	Tol. 30 +/-	0
Hysteresis	50% Max	-20
	40% Max	-20

Figure 22: Latest weight and balance sheet