

#2
Cessna[®]



**AIRCRAFT LOG
AND MAINTENANCE RECORD**

N 29538 SERIAL NO. 17700948

Log #3

The Standard
 **AIRCRAFT LOG**

ASA-SA-2

11/01/00 TACH 421.10 TT. 2491.89

Annual Inspection, removed all flight controls, and stripped entire aircraft of paint. Cleaned, alumina preped and alodined and refinished aircraft using PPG DP40 and DP401 epoxy primer. Used Dupont Imron for topcoat. base color light gray 72092X, red 77968X gold 44469X & 500S clear. SEB89-1 177 stabilator balance weight arm brackets Inspection and replacement C/W by Cessna aircraft company replaced attach brackets MMF3349 dated 12/04/98. Installed abrasion boot on stabilator leading edge. Checked flight control balance and reinstalled all flight controls checked rigging and control cable tension. Replaced all cabin windows except windshield by Great Lakes Aero Products see approval tags attached to aircraft files. Installed all new Cessna door seals, replaced instrument air filters, installed new aircraft battery. Replaced left and right nav lights and checked operation of all lights and pitot heat op's check ok. All panels were removed and all cables and pulleys were inspected and aircraft was lubed as needed. Overhauled nose gear strut replacing all o-rings and seals and serviced with 5606 and nitrogen. Replaced all cabin air ducts above headliner and under instrument panel. Removed strobe light and revised weight & balance and equipment list. Installed new gear leg fairings and upper gear cuffs. Replaced wing tips, stabilator tips rudder and vertical fin tips. Replaced landing light lens cover. Installed new left and right brake disc replaced all brake pads and replaced wheel cyl. o-rings serviced brake reservoirs with new 5606 fluid and bled brakes, ops check ok. Repacked all wheel bearings and replaced bent nose wheel with used serviceable wheel. Removed and replaced turn and bank indicator installed O/H Century 52D75-4 see maintenance release attached for details. Installed O/H I.F.R vertical speed indicator P/N IFR-332 see maintenance release attached. Removed and replaced worn control yoke bushings. Installed Skybolt stainless steel hardware kit. Propeller spinner overhauled by Aero Support Engineering, Inc. certified repair station XNDR054L see maintenance release attached dated 5/27/98.

Over

DATE	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty C.G.	Useful Load	Remarks
19 _____					
11/01/00	TACL	421.10	T.72991.89		

Removed a Narco ELT10 emergency locator transmitter and installed a new Ameri-King corp. mod. AK-450, see 337 dated 10/31/00 for details. checked ELT operation ops check OK, Batt. replacement due 3/2003. Removed the following avionics equipment, a MX nav/com, a Cessna 300nav/com, a Narco nav12VOR/LOC/GS, a Narco VGR-3 glide slope receiver, a K76 transponder, a ACK A-30 blind encoder, and a Narco ADF 31A. Installed the following avionics, (2) each Terra TX760D VHF com transceiver, a Terra TN200D nav receiver, a Terra TRT250D transponder, a Terra Tri Nav C course Indicator, a Terra 350D audio panel/marker beacon rec./4 place intercom, a Terra AT3000 blind encoder and a Skymap IIC GPS with ext ant. Replaced both com antennas with same as ones removed. See 337's dated 10/29/00 for details. Installed fiberglass stabilator tips I/A/W Mapleleaf Aviation LTD. STC SA00908NY. Installed a engine cowling and firewall fasteners I/A/W Skybolt Airmotive Corp. STC SA3286S0. Installed a LLC M-20 oil separator I/A/W STC SA02033AT & installed a Edo-Aire Mitchell Century IIB auto pilot I/A/W Edo-Aire STC SA3181SW-D see 337's dated 10/25/00 for details. Aircraft weighed and weight & balance and equipment list updated to reflect all changes made above. New interior done by Bruce's Custom Upholstery using all flame retardent materials. See material document sheets for specs. in aircraft files All materials from Skandia, Inc. FAA C.R.S. FV5R871M. C/W AD71-24-04 dated 11/23/71 replaced all flexible hoses in engine compartment. next inspection due in 100 hrs. C/W AD76-07-12 dated 4/14/76 Bendix ignition switch check. C/W AD87-20-03R3 dated 9/24/90 inspected seat tracks and seat rollers per AD no defects noted this time next inspection due next annual. AD's checked thru Avantext Rev. 2000-21 see AD listing in aircraft file for complete report.

Owen R Wass
ATP1844994IA

DATE 19 ____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries)
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177-0949

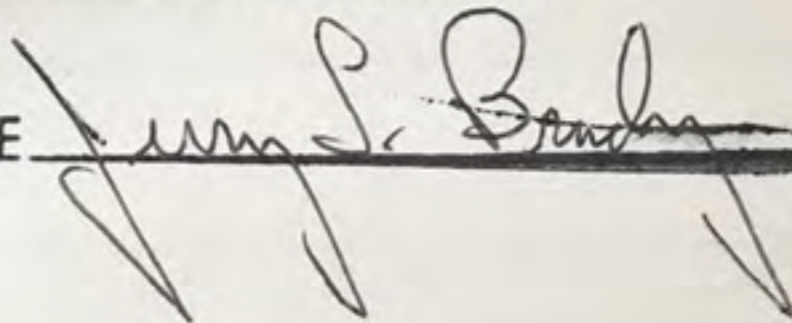
12-04-98

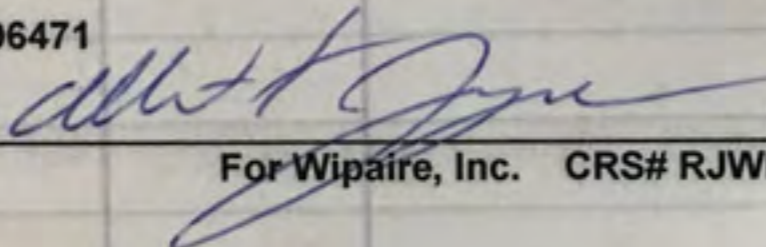
Complied with SEB89-1 "177 Stabilator Balance Weight Arm Brackets Inspection & Replacement" by installing new attach brackets.

Note: Stabilator is not painted or static balanced at this time.

CESSNA AIRCRAFT CO. MMF3349

SIGNATURE



DATE 19 _____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<div data-bbox="315 521 2071 1349" style="border: 2px solid black; padding: 10px;"> <p style="text-align: center;">LOG BOOK ENTRY N29738</p> <p>The aircraft altimeter, static system, transponder and altitude reporter have been tested to 20,000 feet in accordance with FARs 91.411, 91.413, & 91.217 and were found to be within the limits of FAR 43, appendices E & F.</p> <p>W.O.# 96471</p> <p>Signed; <u></u> Date: <u>8-22-00</u></p> <p style="text-align: center;">For Wipaire, Inc. CRS# RJWR390K</p> </div>

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19 _____				

12/22/03 TACH 558.44 TT 2629.25

INSTALLED WILLIAM J. BARTON MONARCH AIR AND DEVELOPMENT, INC FUEL INLETS AND CAPS I/A/W BARTON STC SA2457CE AND BARTON DRAWING LIST NO. WW-1 REV. "G" DATED SEPTEMBER 1, 2000. INSPECTED FOR FUEL LEAKS NONE NOTED. SEE 337 FORM DATED THIS DATE FOR DETAILS. WEIGHT AND BALANCE N/A.

Owen P. Wass
DIP 1844994 FA

DATE

4/01/04 TACH 576.60 TT 2647.37

ANNUAL INSPECTION REMOVED ALL INSPECTION PANELS, INSPECTED, CLEANED, & LUBED PULLEYS AND CABLES AS NEEDED. CHECKED ALL FLIGHT CONTROLS AND LUBED. CHECKED ALL LIGHTS, A/C BATTERY, STALL HORN & PITOT HEAT NO DEFECTS NOTED. CHECKED ELT OPERATION AND BATTERY REPLACEMENT DUE MARCH 08. INSPECTED TIRES, WHEELS, AND BRAKES NO DEFECTS NOTED. REPACKED ALL WHEEL BEARINGS AND CHECKED TIRE PRESSURE. CHECKED AND SERVICED BRAKE RESERVOIRS. C/W AD 71-24-04 DATED 11/23/71 INSPECTED ALL FLEXIBLE FUEL AND OIL LINES IN ENGINE COMPARTMENT NO DEFECTS NOTED NEXT INSPECTION DUE 100 HRS. C/W AD76-07-12 DATED 4/14/76 BENDIX IGNITION SWITCH CHECK NO DEFECTS NOTED NEXT INSPECTION DUE 100 HRS. C/W AD 87-20-03R3 DATED 9/24/90 INSPECTED SEAT TRACKS AND SEAT ROLLERS PER AD NO DEFECTS NOTED. NEXT INSPECTION DUE 100 HRS. AD'S 99-27-02 AND 2000-06-01 NA DUE TO SUSPECTED PARTS NOT INSTALLED ON THIS AIRCRAFT. AD'S CHECKED THRU ATP REV 3/04. SEE AD COMPLIANCE RECORD FOR COMPLETE REPORT.

Owen R Wass
A+P1844994 IA

4/01/04 TACH 576.60 T.T. 2647.37

Certify this AIRCRAFT/~~ENGINE~~ has been thoroughly inspected IAW an ANNUAL/100 HR inspection and was determined to be in an airworthy condition. TT:

Signed:

Owen R. Wass

Owen R Wass
A+P1844994 IA

DATE 19 _____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>I CERTIFY THAT THE ALTIMETER, ENCODING SYSTEM AND STATIC SYSTEM TEST REQUIRED BY FAR 91.411 HAVE BEEN PERFORMED THE ALTIMETER PILOTS S/N _____ COPILOTS S/N _____ WAS/WERE TESTED TO _____ K FT SIGNATURE _____ DATE _____</p> <p>I CERTIFY THAT THE TRANSPONDER TEST REQUIRED BY FAR 91.413 HAS BEEN PERFORMED AND FOUND TO COMPLY. XPDR #1 MOD <u>TRT230B</u> S/N _____ #2 MOD <u>N/A</u> S/N <u>N/A</u> 1686 SIGNATURE <u>[Signature]</u> DATE <u>9/14/07</u></p> <p>TOMLINSON AVIONICS OF FLORIDA, INC. 521 DANLEY DR., FT. MYERS, FL. 33907 VFR only FAA CRS # V6TR097X</p>

DATE 19 _____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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5/16/2008

N29538

CESSNA 177 CARDINAL

Aircraft Logbook

TACH 685.85 TT 2756.62

Completed annual inspection in accordance with manufacturers inspection procedures manual.

1. Annual inspection performed per Cessna 177 service manual, removed all access panels and inspected cables, pulleys, rod ends, flight controls and lubed.
2. Checked all a/c lights, pitot heat and aircraft battery and serviced.
3. Removed and replaced stabilator mount bushings.
4. Inspected wheels, tires, brakes and cleaned and repacked all wheel bearings and serviced brake reservoirs.
5. Cleaned and inspected fuel gasculator screen.
6. Checked and serviced all tire pressures.
7. Inspected ELT, replaced batteries and performed operational check PER FAR 91.207(D) batteries due replacement 12/2012
8. C/W AD 76-07-12 performed bendix ignition switch operational check no defects noted due 100 hrs.
9. C/W AD 87-20-03R inspected seat tracks, seat rollers and engagement pins no defects noted. Due 100 hrs.
10. AD's were checked through the AD toolbox rev.2008-04B.

I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Signed Owen R. Wass

Owen R. Wass A&P1844994IA

DATE 19__	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
				<p>Log Book Entry</p> <div data-bbox="1248 541 2085 694" data-label="Image"> </div> <p data-bbox="1564 705 1934 756">Aviation Products</p> <p data-bbox="1015 786 2236 868">Date: <u>9-26-12</u> Part Number: <u>0573120-9</u></p> <p data-bbox="1015 848 1797 919">Time in Service <u>UNKNOWN</u></p> <p data-bbox="1015 899 2332 1236">This fuel Selector valve was cleaned, inspected, repaired, and pressure leak tested. Replaced seals, and other components as listed on Job Order # <u>31534</u> Fluorocarbon O-rings per McFarlane FAA-PMA, Cessna parts and industry standard hardware were used. This valve was found acceptable for return to service. Comply with AD 99-27-02 new cam installed</p> <p data-bbox="1015 1267 2208 1338"><u>Lars Allen</u> Certificate # <u>A&P 3453414</u></p>

DATE 19 _____	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
		12/1/2012	N29538	CESSNA 177 CARDINAL
			TACH 743.74 TT.2814.51	Aircraft Logbook
				<p>Completed annual inspection in accordance with manufacturers inspection procedures manual.</p> <ol style="list-style-type: none"> 1. Removed all inspection panels, inspected cables, pulleys, rod ends, flight controls and lubed. 2. Checked all aircraft lights, battery, pitot heat and stall horn. 3. Inspected ELT and replaced batteries due 12/2022 performed operational check per FAR 91.207(D) no defects noted. 4. Inspected fuel gasculator screen and cleaned. Fuel selector valve recently O/H by McFarlane aviation products see log book entry dated 9/26/12. 5. Inspected wheels, tires, and brakes removed all wheels and cleaned and repacked all wheel bearings. 6. Checked and serviced tire air pressures inspected brake reservoirs and serviced with hyd. Fluid 5606. 7. C/W AD 71-24-04 inspected all engine compartment flexible fuel and oil lines no defects noted at this time due again 100 hrs. 8. C/W AD 11-10-09 inspected seat tracks, seat rollers, seat roller housings and seat locking retention pins. No defects noted at this time. 9. Performed new AD search through the AD Toolbox REV. 2012-10B see AD compliance record for complete report dated 12/01/12. <p>I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.</p> <p style="text-align: right;">Signed <u><i>Owen K. Warren</i></u></p>

DATE 19 <u>2012</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12/2/12	743.74			<p>Minor alteration</p> <p>Removed T5022 Front Lap Belt assemblies - L/R</p> <p>Installed new T50C114 Lap Belt assemblies</p> <p>Amsafe PN 3052-3-051-2396 using the existing hardware and mounting locations</p> <p>Installed new T50C114 Shoulder Belt assemblies Amsafe PN 3133-3-041-2396</p> <p>Upper attach point established in the left and right left door posts using an existing factory provided nut plate</p> <p>Operational check - Normal</p> <p>Donald C. [Signature] AP 3450131</p>

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19 2012	743.74			<p>Minor alteration</p> <p>Removed T5022 Front Lap Belt assemblies - L/R</p> <p>Installed new T50C114 Lap Belt assemblies</p> <p>Amsafe PN 3052-3-051-2396 using the existing hardware and mounting locations</p> <p>Installed new T50C114 Shoulder Belt assemblies Amsafe PN 3133-3-041-2396</p> <p>Upper attach point established in the left and right aft door posts using an existing factory provided nut plate</p> <p>Operational check - Normal</p> <p>Donald C. Paulson AP 3450131</p>

DATE # 2013	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
1. 19. 2013	744.99	-	2815.76	removed and replaced carb. heat control cable p/n 51798-2. weight and balance N/A. operational check performed and found normal. removed and replaced reserve fuel tank p/n 1716009-1. weight and balance N/A. checked for leaks, none found. performed operational check - normal all work performed in accordance with Cessna C-177 service and maintenance manual Ami Selva A/P 2253543
2. 9. 2013	745.14	-	2815.91	removed and replaced vertical fin tip p/n 1731009 weight and balance N/A. removed and replaced VER, 125/65 mounting block p/n 1770003-1. weight and balance N/A. performed beacon operational check - normal. all work performed in accordance with Cessna C-177 service and maintenance manual. Ami Selva A/P 2253543

DATE 19 2013	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
7.26.2013	768.01		2838.78	removed and replaced Terra audio panel model TMA 350D P/N 0900-0409-00 S/N 908 with rebuilt Terra audio panel model TMA 350D P/N 0900-0409-10 S/N 152. performed ops. check - normal. weight and balance N/A. Ammi Dela A/P 2253543

DATE
19 2013
8.22
12.12.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified on reverse side was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. A2013283

Date 7/22/13 Signed [Signature]

Texas State Technical College - Avionics Technology CRS# FT8R150Q

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19 2013				
8.22.2013	771.03		2841.80	removed #2 COM radio Terra Model TX 760D for repair. weight & balance negligible. Ami Sela A/P 2253543
12.12.2013	783.93		2854.70	re-installed #2 COM radio Terra Model TX 760D P/N 1900-0361-00 after rebuilt by TSTC, S/N 7280004. ops check o.k. weight and balance N/A. Ami Sela A/P 2253543

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller, or appliance identified on reverse side was repaired and inspected in accordance with current Regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under Work Order No. A2013323

Date 12/2/13

Signed [Signature]

Texas State Technical College - Avionics Technology CRS# FT8R150Q

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
19 2014				
7-10-2014	784.01		2854.78	removed, repaired and reinstalled fuel shutoff valve. removed Concorde Battery model 35A/C s/N 40180383 and replaced with Concorde Battery model 35A s/N 40631349. ops. check normal. - Owen Wass A/P 2253543

8/24/2014 N29538 ^{ORW.} CESSNA 177 CARDINAL
TACH 784.17 TT. ~~2812.74~~ 2854.94

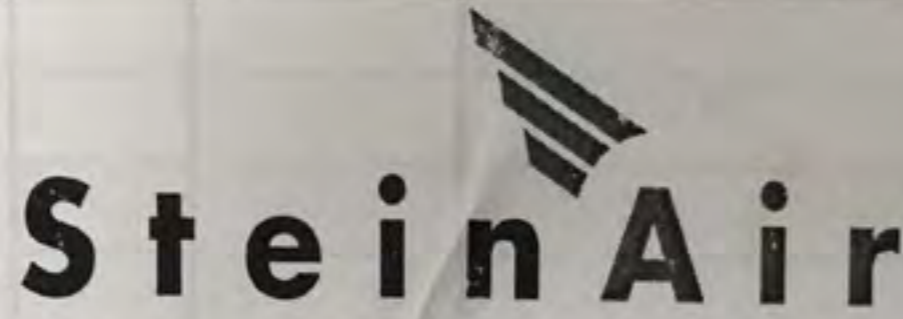
Aircraft Logbook

- Completed annual inspection in accordance with manufacturers inspection procedures manual.
1. All panels removed, inspected cables, pulleys, rod ends. Flight controls and lubed.
 2. Checked aircraft lights, stall horn, pitot heat, new sealed battery recently installed.
 3. Inspected wheels, tires and brakes.
 4. Inspected and serviced brake reservoirs.
 5. Performed ELT operational check per FAR 91.207(D) batteries due replacement 12/2022
 6. Inspected gasculator screen and cleaned.
 7. CW AD 71-24-04 inspected all engine compartment flexible fuel and oil lines no defects noted due again 100 hrs.
 8. CW AD 11-10-09 inspected seat tracks. Rollers, housings and seat locking retention pins and springs.
 9. AD,S checked through tne AD Toolbox REV 2014-7B. See AD report in aircraft records for complete compliance.

I certify that this Aircraft has been inspected in accordance with an annual inspection and was determined to be in an airworthy condition.

Signed Owen R. Wass
Owen R. Wass A&P1844994IA

DATE <u>19 2015</u>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations <small>Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)</small>
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SteinAir Inc.
 21170 Eaton Ave. Suite A
 Farmington, MN 55024
 651 460-6955
 CRS# V70R151B

The ATC Transponder test and inspection required by FAR 91.413 were performed on this date and found to comply with FAR 43 Appendix F. Details of this test and inspection are on file at this Repair Station under Work Order # 1402

Transponder Make & Model: Terra TRT250D Serial #: 1686

Date: 4/13/2015 Signature: [Handwritten Signature]

Revision: A 8/04/08

Form: A-15

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations
19 2015				Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)

Date: 10/01/2015

Hours: TACH790.20

Name: Owen R. Wass

Make: CESSNA 177

Model: CARDINAL

Certification # A&P1844994IA

Tail # N29538

Serial: 17700949

Signature: *Owen R Wass*

Comments:

1. Aircraft opened, inspected cables, pulleys, rod ends, flight controls and lubed.
2. Checked all aircraft lights, stall horn, pitot heat and inspected sealed Concorde sealed battery.
3. Replaced left position light and lens.
4. Inspected wheels, tires and brakes, checked reservoirs and serviced.
5. Performed ELT operational check per FAR 91.207(D) battery replacement due 12/2022.
6. Inspected gasculator screen and cleaned.
7. CW AD 11-10-09 inspected seat tracks, roller housings, rollers and seat locking pins and springs.
8. AD'S ckecked through the AD Toolbox rev. 2015-09B.
9. Removed child seat and installed secondary seat stop kit per Cessna SB SEB07-50AR6 see revised WT and BAL for all changes.

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

790.20

2860.47

Form ZA-LSR

DATE 2015 19	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12.4.2015	811.64		2882.41	performed external and internal inspection of both left and right wings spar caps per Cessna 56L-57-03. no cracks or corrosion found. used lights, mirror and borescopes to perform the inspection. Ami dela A/P 2253543
12.5.2015	811.64		2882.41	removed left and right main gear wheelpant for winter operation. Ami dela A/P 2253543
12/09/2015	Tach 814.8		TIAF 2885.57	Replaced Rivet in L/H wing Lower spar Cap with new A1470 rivet. Inspected nose strut and set HYD level, serviced with witrogen DAW Cessna maint manual. Removed nose wheel pant. See New WAB List. Zouren Couenne A/P 265774 TIA

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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~~19~~ 2016

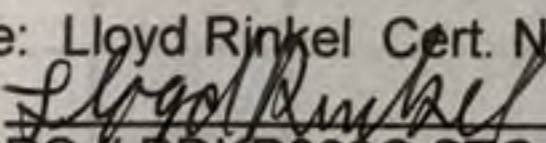
Date: 2/25/2016; Aircraft: N29538; Type: 177; S/N: 17700949; Hobbs: 1464.00;
 Tach: 816.79; Total Time: 2889.74

Performed Transponder, altimeter and encoder test.
 I certify that the altimeter, static system, transponder and altitude reporter test required by FARs 91.411, 91.413 and 91.217 have been performed and found to be within the limits of FAR43 appendices E and F and AC43.6b.
 Tested to 20 Kft.

- Altimeter #1 Model Aspen EFD1000 s/n 22513
- Altimeter #2 Model United 5934PAD-1 s/n P8050
- Transponder #1 Model GTX330ES s/n 84150193
- Encoder #1 Model ACK30.9 s/n 138155

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under:
 Work Order # 15-10258 Today's Date 2/25/2016

Name: Lloyd Rinkel Cert. Number: 3224895 R&I
 Sign:  Date: 2/25/2016
 For CRS # BDKR393C STC Aviation Inc. 1544 45th Ave SE St. Cloud MN 56304

DATE	REI TAI TIN	Date: 2/25/2016; Aircraft: N29538; Type: 177; S/N: 17700949; Hobbs: 1464.00; Tach: 816.79; Total Time: 2889.74	erations
19 2016		Removed "Terra" radio stack, TMA350D, 2)TX760Ds, TN200D, TRT250D, TriNav C indicator, and King Skywatch GPS. Removed instrument panel overlays, instruments and yoke mounts. Cut out top half of pilots' instrument panel, Removed old radio stack rails and install new aluminum angles for radio rails. Fabricated pilot's, copilots instrument panels. Flush mounted EFD1000 in pilot's panel, mounted RSM in tail on old antenna doubler. Installed GMA350c, GTN650, GTR225, GTX330ES, ACK30.9 Encoder, Aspen ACU.	mber of : entries.)
		MAINTENANCE RELEASE	
		The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under: Work Order # 15-10258 Today's Date 2/25/2016	
		Name: Lloyd Rinkel Cert. Number: 3224895 R&I Sign: <i>Lloyd Rinkel</i> Date: 2/25/2016 For CRS # BDKR393C STC Aviation Inc. 1544 45th Ave SE St. Cloud MN 56304	
4.14.16		removed and replaced left and right main gear calipers. 829.13 Ani dela A/P 2253543 TTF - 2902.08	

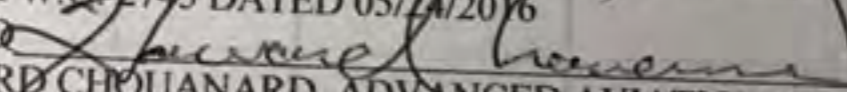
DATE
2016/2017
19

DATE 05/24/2016 TACH 849.33 HOBB 1508.9 #N29538

Advanced
Aviation Inc.

REMOVED AND REPLACED ALL TIRES AND TUBES WITH NEW TIRES AND TUBES (OWNER SUPPLIED). CLEANED AND INSPECTED ALL WHEEL HALFS. CLEANED INSPECTED AND REPACKED ALL WHEEL BEARINGS. REASSEMBLED ALL WHEELS AND TORQUED ALL BOLTS. REINSTALLED AND SERVICED ALL TIRES.

THE AIRCRAFT AND/OR COMPONENTS IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH ALL CURRENT FEDERAL AVIATION ADMINISTRATION REGULATIONS AND IS APPROVED FOR RETURN TO SERVICE. ALL PERTINENT INFORMATION IS ON FILE UNDER W.O. 2745 DATED 05/24/2016

SIGNED  A&P 2657747 IA
HOWARD CHOUANARD, ADVANCED AVIATION INC. PHONE 952-412-3395

nd Alterations
cate Number of
specific entries.)

1.20.2017

908.82

2979.69

completed annual inspection in accordance with manufacturer's inspection manual.

1. all panels removed, inspected cables, pulleys, rod ends flight controls and lubed.
 2. checked aircraft lights, stall horn, pitot heat and battery.
 3. inspected wheels, tires and brakes, replaced outer right brake pad.
 4. inspected brake reservoirs.
 5. performed ELT operational check per FAR 91.207 (d) batteries due replacement 12/2022.
 6. c/w AD 11-10-09 inspected seat tracks, rollers housing and seat locking retention pins and springs.
- AD's checked through AD toolbox software upto (cont)

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
10-2017				
(cont)	908.82		2979.69	AD 11-10-09 dated 06/17/11. I certify that this aircraft has been inspected in accordance with an annual and was found and determined to be in an airworthy condition. _____ Dini Sela A/P 2253543 IA _____

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DATE <i>19 2017</i>	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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Date: 5/31/2017; Aircraft: N29538; Type: 177; S/N: 17700949; Hobbs: 1596.30;
 Tach: 915.78

Removed old instrument panel along with art. horz., vacuum gauge, engine cluster, tachometer, amp meter, fuel pressure gauge, airspeed and altimeter. Removed the engine driven vacuum system, tachometer drive cable and egt system. Installed a cover on the tachometer drive and a vacuum pump delete plate on vacuum pump drive mount. Installed a new powder coated instrument panel with a new JPI EDM-930, Sandia SAI-340 and a existing Aspen EFD-1000 all recess mounted, along with existing Century 1 and clock. Installed engine probes on engine as required and mounted fuel, oil, and manifold sensors on the firewall. Removed factory fuel level sensors and installed Cies CC284022-0601-101 fuel level sensors. Calibrated Fuel level sensors to EDM930 and documented a calibration table and attached it inside glove box. Removed factory control yokes and installed Avion Research yokes with PTT and PTC switches on both yoke. Replaced the "Master" switch, Ignition switch and "Master" contactor. See FAA FORM 337's dated this date for further details.

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at St. Cloud Aviation.

Work Order # 17-10051 Today's Date 5/31/2017

Chad W. Morley

Chad Morley A & P 3813736

St. Cloud Aviation, 1544 45th Avenue SE, St. Cloud, MN 56304

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tries.)

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
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~~10~~ 2017

Date: 5/31/2017; Aircraft: N29538; Type: 177; S/N: 17700949; Hobbs: 1597.30;
Tach: 915.78

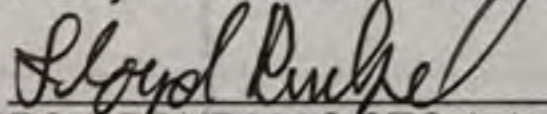
Performed Transponder, altimeter and encoder test. I certify that the altimeter, static system, transponder and altitude reporter test required by FARs 91.411, 91.413 and 91.217 have been performed and found to be within the limits of FAR43 appendices E and F and AC43.6b. Tested to 20 Kft.

- Altimeter #1 Model Aspen EFD1000 s/n 22513
- Altimeter #2 Model United SAI-340 s/n 849
- Transponder #1 Model GTX330ES s/n 84150193
- Encoder #1 Model ACK30.9 s/n 138155

MAINTENANCE RELEASE

The aircraft, airframe, aircraft engine, propeller or appliance identified above was repaired and inspected in accordance with current Regulations of the Federal Aviation Administration and is approved for return to service. Pertinent details of the repair are on file at this repair station under:

Work Order # 17-10051 Today's Date 1 JUNE 2017
Name: Lloyd Rinkel Cert. Number: 3224895 R&I

Sign:  Date: 1 JUNE 2017
For CRS # BDKR393C STC Aviation Inc. 1544 45th Ave SE St. Cloud MN 56304

DATE	RECORDING TACH TIME	TODAYS FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician or Repair Facility. (See back pages for other specific entries.)
12-6-17	Tach 51.4	967.18	Hobbs. 1661.4	total time in service 3038.05 Serviced nose strut with HYD fluid #4 and Nitrogen. IAW Cessna 177 maintenance manual. Laurence Roussard AIP 2657747 IA
12.22.17	52.9	3039.55		removed and replaced outboard left main gear brake lining. Jimi Jela AIP 2253543 IA
4.6.2018	55.8	3042.45		completed annual inspection IAW manufacturers inspection manual.
		Hobbs: 69.3		1. aircraft washed and cleaned. 2. all panels removed, cables inspected, pulleys, rodents and flight controls inspected and lubed. 3. checked lights, stall horn, pitot heat and battery. 4. performed ELT check per FAR. 91.207(D), batteries due 12/2022. 5. inspected wheels, tires and brakes. 6. overhauled nose gear strut IAW Cessna C177 service manual. 7. inspected gasculature (cont)
		Hobbs total: 1666.6		

