THE STORY OF THE SYSTEM

AIRFRAME MAINTENANCE RECORDS

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
*		TOTAL brou	ught forward from previous page
10 906	8146.7	2180	Completed an annual inspection this date
			1/A/W the cessna service manual. Rigged
			landing gear 1/4/W cessna service manual
			Replaced (Rwing fuel conditioner, replaced
			de ice timer replaced all vacuum
			hoses in Dengene compartment. Re-install
1			left engine after complète overhaul. Seale
1			several cation messure leurs et dos
			and engine untrol exit points in fuselage
			arrorage was test flowin and all flight
			parameters normal. I certify this
			arrient has been inspected itake an
			annual inspection and was determine
			to be in armorthy condition. Replaced the
			Charles Augstad 9A 2757602
2/8/07		2803	Replaced nose + both main gear tubes & tires
			E new Michelin tobes + Wilkerson tires.
			Struts + brakes serviced.
1			Charles P dugited AP 2757602
1			U Company of the comp

TOTAL-Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		TOTAL bro	ught forward from previous page
4907	8210.0	2843.3	Removed, orunhauled and replaced left using
			vacelle pul transfer pump, Lecyllow tag.
			Replaced worn landing year bushings on left main
			gear and the Rigged landing year (Jahu cessma
			serves manual. Replaced right and left wing vacuum
	at .		four parties Replaced both nose baggage door hydraulic
			extended and new FAAJEMA points. ELT DUE 10/08
	2.44	7	PINIT/STATIC TRANSPONDER / DUE 12/07
			See AD GOOK for compliance, all 4w three 2007-05-15
			I contint this arytrame has been impected 1/A/w
			an enough spectron and was determined to be
			in in the condition.
			Charles augsted IA 2757602
12/24/01		235%.c	Replaced jointed heater combustion air blower
			motor with FAPMA'd part by E&D heater products
			Part #CD 21402. Henter franctions properly and complied
			with AD2004-21-5 pressure decay test, No abnormal leaks.
			Charles P dirigstand AP2757602
12 29101		2850.0	Replaced Various heater ducts front threwall with
			Skeet Nose, Charles Paugetad AP2757602
3/6/08		2873.4	Removed nose gear lower struttune
			replaced packings, reassembled, serviced I lalw
			cessna service manual
			Charles denostad
		4	HP 2757602

TOTAL—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		TOTAL bro	ught forward from previous page
7/21/08	Swins .	that is	Replaced test meter, leads, and probes with new
	, pot s	a gulla	Alcor replacement system using supplied
الله الله الله الله الله الله الله الله	m Ha	ms spin	installation instructions. No change
-014	154a2 le	6/1 707/	in weight + balance. aucraft flight tested and ops normal
/maxi)	SV grin	1753.6	tested and ops normal
20/01	lug'lbyd Grows	neck desc	Charles P decistad CHANGS SINGSTAD ASP 2757602.
7/1108	500	\$,95	Removed Last Tier in 1 D - my feel
31-20-50	os way	Far.	Run + leak V UV
[۵]ب	s states	arry gradi	Charlis P xxxxx 75 50 -
اود ر	at han	defilians	the time half fine sient to will.
1/2640			Complied with Cessna MaB 09-2 by
			usual inspection and measurement of Gerk
			tube bolt tube in turque tubes Poternend
g wik		A CONT	that this awaraft is egeopped with
Fig.		0.03.3	5045010-32 right + 5045010-33 left targue tabe
11/1/201			assembles. There care so further replacement times
			Qualis P digital AP2757602.
	(L. 1994)		with any the hope of the Additional Later than the contract of
			things are the one that the title the stage
			Mary and the second of the sec
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DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

SUN EAGLE AVIATION, Boerne Stage Airfield, TX (5C1)

Date: 03/5/2011

Aircraft Log: N4MU

Hobbs: 2909.0

Heater Hobbs: 322.4

Cessna 421B

Aircraft SN: 421B-0054 Aircraft TT: 8275.7

Accomplished an annual airframe inspection IAW FAR43 Appendix D and Cessna service manual. Cleaned and repainted nose gear well and all nose landing gear components. Replaced all seals in nose strut and shimmy dampener. Replaced both, bearings in nose gear drag brace. Replaced all seals in right main landing gear strut. All strut seals and bearings new from Cessna. Rigged landing gear IAW Cessna service manual. Gear switches, gear door tensions, main and nose gear up and downlock tensions and gear dropoffs correct. Rigged all flight control cables and trim cables IAW Cessna service manual. Replaced ELT with Ameriking Model AK-451-af-ap 406 MHz ELT using supplied instructions. Unit function checked and registered with NOAA. Beacon ID AE2C40ACB4002CD. Complied with FAR 91.207(c) and (d). ELT battery due Oct 2015. Rebuilt right brake with new seals and serviced with Mil 5606 hydraulic fluid. Lubricated entire airframe. Fuel strainers cleaned. Resealed left main fuel tank at sending unit cover. Replace left throttle control cable, left auxiliary induction air control cable, right and left fresh air inlet ducts with new parts from RAM aircraft. Replaced O rings on aux tank fuel strainers. Complied with AD 2004-21-5 heater combustion chamber pressure decay tested normally IAW Janitrol service manual. Cleaned battery box with alkaline baking soda solution then repainted with acid proof paint. Replaced main battery with new Concorde RG24-20. Performed hydrotest on oxygen bottles, next due March 2016. All airframe AD's complied with. Aircraft is on ADLog system. I found this aircraft to be in airworthy condition.

Charles P. Singstad, IA2757602

July 16,2011

Removed rudder and replaced the following parts with factory new replacements: Left lower skin 5133000-21, nose rib 5133000-29, and aft spar 5133000-20 (which had been previously repaired). Removed light corrosion on the inside of rudder, reprimed, and riveted using original patterns and rivet sizes. Removed left elevator half and replaced inboard skin 5034000-5. Removed light corrosion and primed. Reinstalled left elevator half and rudder. Rigged per Cessna service manual.

Replaced left inboard and outboard aux fuel bladders with new PMAd units from Floats and Fuel cells. All six aux fuel cells have now been replaced with FFC cells within the past 8 years.

Charles P Singstad, AP2757602

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DATE

TOTAL TIME IN SERVICE TACH OR RECORDING METER TIME

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

FEBRUARY 20, 2013 N4MU

CESSNA 421B-0054

Removed Bendix M4C autopilot system, KingKLN90B and MD41 GPS annunciator, 2 each KNR-600 may receivers, KT76C transponder, KMA24 audio panel, Narco 850 encoder,2 each KY196 comms, Collins TCR451 DME system, rate of climb indicator r.h., fuel economy mixture indicator, clock std, heading gyro std, KDF-800 ADF system and antennas, KNI-510 Nav indicator, RS08-001 remove nav switch, Bendix AT902AR antenna, and KA92 GPS antenna. Removed instrument panel lighting dimmer and control box.

Installed the following equipment:

S-Tec System 55X Two Axis Automatic Flight Guidance System, Model ST-599 according to Bulletin No.659, Revision 7, dated 7-30-08 as per STC SA8890SW-D. Installed S-Tec ST-360 Altitude/Vertical Speed Selector/Altitude Alerter according to Bulletin No. . Atitude data for ST-360 supplied by ACK 30.9 encoder. STC approved Pilot's Operating Handbook 2nd Ed. Dated Jan 15, 2008 placed in aircraft. Installed S-Tec Flight Director/Annunciator according to Bulletin No.

Aspen Avionics, Inc. EFD1000 Primary Flight Display in accordance with FAA Approved Model List (AML) STC SA10822SC and Aspen Document # 035-00007-002 Revision A. Installed ASPEN EFD-1000 P/N 910-00001-001 S/N 1827, ACU P/N 910-00004-001, Configuration Module P/N 910-00005-004 and RSM P/N 910-00003. Interfaced to GNS 530W, GNS 430W, and S-Tec55X Autopilot. Removed and replaced Pilots panel. Avionics panel. Copilot's panel, all instruments to mount EFD-1000. Remanufactured Pilots panel using original as template. Remanufactured Pilot's subpanel, and Copilot's panel. Installed new Placard kits, relabeling CBs and switches where required The EFD 1000 was installed within the center region of the pilot's instrument panel and backup attitude, airspeed, and altitude instruments were relocated in accordance with the Installation Manual 900-00003-001 and FAR 1321(a). GNS530W connected as GPS 1 and GNS430W connected as GPS 2.

Garmin International, Inc. GNS530W GPS-WAAS Navigation/Comm system in accordance with FAA Approved Garmin 500W Master Data List, Drawing No: 005-C0221-01, Revision D, May 2008 as per Approved Model List (AML) Number STC SA01933LA. The GNS 530 was connected with Aspen PFD1000 on the pilot's side and the Collins PN-101 on the copilot's side. The GNS530W was connected utilizing existing Comm antenna, newly installed Comant CI-120 VOR/Nav antenna, newly installed WAAS antenna, and connected to audio panel as #1 Comm/Nav. Pilot's Guide and Reference(190-00357-00) Rev. D, Jan 2009 placed in aircraft. STC Approved Flight Manual Supplement 190-00356-03 Rev. B, Sep 2007 placed in aircraft. 500W Series Instructions for Continued Airworthiness Document Number 190-00357-65 Rev. A placed in aircraft records.

Garmin International, Inc. GNS 430W GPS-WAAS Navigation/Comm system in accordance with FAA approved Garmin 400W Series Master Data List, Drawing No.:005-C0221-00, Revision D, May, 2008 as per Approved Model List (AML) Number STC SA01933LA. The GNS 430W was connected utilizing existing Comm antenna, newly installed Comant CI-120VOR/Nav Antenna, newly installed WAAS antenna, existing glipeslope antenna in aircraft nose, and connected to audio panel as #2 Comm/Nav. Pilot's guide and Reference (190-00356-00) Rev. D, Jan 2009 placed in aircraft. STC Approved Flight Manual Supplement 190-00356-003 Rev A, Nov 2007 placed in aircraft. 400W Series Instruction for Continued Airworthiness Document Number 190-00356-65 Rev. A placed in aircraft records.

The (2) GA 35 GPS-WAAS antennas for the GNS530W and GNS430W were mounted on top of the cabin utilizing the existing mounting locations and brackets utilized by the previous GPS antenna and previous Bendix gullwing antenna. The GI-106A was connected to the GNS 430W.

Garmin International, Inc. GTX 330 Mode S Transponder with TIS using installation manual P/N 190-00207-02 revision G, dated 10/04. The GTX330 interfaced with the GNS530W and GNS430W for TIS

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DATE	TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
		TOTAL THESE	-2-
	information installation encoder us	n. The GTX 33 to STC ST011 ing ACK Instal	30 utilized existing transponder antenna. The GTX 330 installation is a follow on 25WI. Serial altitude data for GTX 300 obtained by connecting with ACK 30.9 llation Manual P/N A30M rev 05 dated 10/05/2010
			GMA347 audio panel/ marker beacon receiver with intercom using installation Rev A dated Aug 2005. The GMA 347 utilized existing marker beacon antenna. 25-00RevA placed in aircraft.
	Garmin Into Rev E, date encoder.	ernational, Inc. ed Jan 08. GPS	GMX200 Multi-Function Display using installation manual P/N 190-00607-04 source connected to GNS 530W. Serial altitude source obtained from ACK 30.9
			GDL 69 XM Satellite Radio data link receiver and antenna using installation 2007 Revision F.
	instruments Pilot's stand	were lighted w by attitude, alt t's attitude, airs	MaxDim Dimmer Controller 9100-001-A (6 each) installed per STC It to existing post lights and NuLite PMA'd instrument light rings. The following ith NuLites IAW manufacturers Instructions P/N 62159 Dated Feb. 2003: imeter, and airspeed, engine MP, engine RPM, engine 3-in-1 gages, fuel quantity speed, and altimeter, vacuum, cabin pressurization, cabin vsi, and oxygen
	0 1		was complied with in accordance with A.C. 43.13-1B Chapter 11, Section 3 to be within the normal parameters of the aircraft's electrical system.
	The aircraft of placed in airc	equipment list i craft records.	s revised to reflect these changes: weight and balance data was furnished and
	I certify that Aviation Adr	the work perfo	rmed on the aircraft has been performed satisfactorily and per current Federal gulations and is approved for return to service only for the work performed.
	Charl	1. Dd	extend
			END
	Section 1	7	
		STO	alled Micro Vortex Generators per 2 #SA00514SE. Refer to Form 387
		this	date: Lively P. Austral FA 27576 Eeb 20, 2013 1A 2757602

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Signature: Star Collins ACTT 8277,70 Date: 3/13/ev/4 WO# 55% Certificate No.: CRS# T6ER555Y

performed in accordance with FAR 43 Appendix F.

S/N 841/2082

#1 XPNDR PN: 672330

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#2 XPNDR PN: