

2006 → 2/20/14

THE **adlog**TM AIRCRAFT
MAINTENANCE
RECORDKEEPING
SYSTEM

**AIRFRAME
MAINTENANCE
RECORDS**

Page No.		DATE		TOTAL TIME IN SERVICE	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTAL brought forward from previous page		
10/9/06		8146.7	2780	<p>Completed an annual inspection this date 1/4/w the cessna service manual. Rigged landing gear 1/4/w cessna service manual. Replaced (B) wing fuel conditioner, replaced de-ice timer, replaced all vacuum hoses in (2) engine compartment. Re-installed left engine after complete overhaul. Sealed several cabin pressure leaks at ^{cabin} door and engine control exit points in fuselage. Aircraft was test flown and all flight parameters normal. I certify this aircraft has been inspected 1/4/w an annual inspection and was determined to be in airworthy condition. Replaced ²¹⁵ BAT.</p> <p>Charles P. Sugstad / A 2757602</p>		
2/8/07			2803	<p>Replaced nose + both main gear tubes & tires + new Michelin tubes + Wilkerson tires. Struts + brakes serviced.</p> <p>Charles P. Sugstad AP 2757602</p>		

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11/9/07	8210.0	2843.3	Removed, overhauled and replaced left wing nacelle fuel transfer pump. See yellow tag. Replaced worn landing gear bushings on left main gear side brace. Rigged landing gear 1/1w cessna service manual. Replaced right and left wing vacuum pump pistons. Replaced both nose baggage door hydraulic extenders with new FAA parts. <u>ELT DUE 10/08</u> <u>PITOT/STATIC / TRANSPONDER ✓ DUE 12/07</u> See AD book for compliance, all 1/1w thru. 2007-05-15 I certify that this airframe has been inspected 1/1w on annual inspection and was determined to be in an airworthy condition. Charles P. Livingston IA 2757602
12/24/07		2858.0	Replaced jaritral heater combustion air blower motor with ^{FAA} PMA'd part by E&D heater products Part #CD 21402. Heater functions properly and complied with AD2004-21-5 pressure decay test, No abnormal leaks. Charles P. Livingston AP2757602
12/29/07		2850.0	Replaced various heater ducts front firewall with sheet hose. Charles P. Livingston AP2757602
3/6/08		2873.4	Removed nose gear lower strut ^{tube} and replaced packings, reassembled, serviced 1/1w cessna service manual. Charles P. Livingston AP 2757602

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7/21/08			Replaced ^{duel} EGT meter, leads, and probes with new Alcor replacement system using supplied installation instructions. No change in weight + balance. Aircraft flight tested and ops normal. Charles P. Singstad CHARLES SINGSTAD A&P 2757602.
7/1/08			Removed fuel fuel pump + leak ✓ OK Charles P. Singstad 75 00
1/26/10			Complied with Cessna MAB 09-2 by visual inspection and measurement of fork tube bolt tube on torque tubes. Determined that this aircraft is equipped with 5045010-32 right + 5045010-33 left torque tube assemblies. There are no further replacement times. Charles P. Singstad AP2757602.

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TIMEDESCRIPTION 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

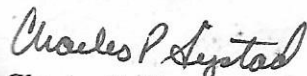
Accomplished an annual airframe inspection IAW FAR43 Appendix D and Cessna service manual. Cleaned and repainted nose gear well and all nose landing gear components. Replaced all seals in nose strut and shimmy dampener. Replaced both bearings in nose gear drag brace. Replaced all seals in right main 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.



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FEBRUARY 20, 2013			
N4MU			
CESSNA 421B-0054			
Removed Bendix M4C autopilot system, KingKLN90B and MD41 GPS annunciator, 2 each KNR-600 nav 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. . Attitude data for ST-360 supplied by ACK 30.9 encoder. STC approved Pilot's Operating Handbook 2 nd 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 glipse 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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Aircraft TT: 8277.7

Charles P. Singstad, IA2757602

Time Aerospace LLC

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