

# Aircraft Record General Information

Manufacturer Cub Crafters, Inc.

Model CC-11-160

Serial CC11-00259

Registration Number N519MG

Date of Manufacture March 11, 2013

Engine(s) currently installed:

Manufacturer Cub Crafters, Inc.

Model CC340

Serial 00187

Manufacturer

Model

Serial

Propeller(s) currently installed:

Manufacturer Catto

Model 80" X 50"

HUB Model

Serial

Serial 04101375

Blade Model

Serial

Serial

Serial

Blade Model

Serial

Serial

Serial

YEAR 20 13 DATE	TOTAL TIME IN SERVICE	Current Weight and Balance Information			
		Empty Weight	Empty CG	Useful Load	Remarks

Registration Number: N519MG

Serial Number: CC11-00259

AMSafe Aviation Inflatable Restraint (AAIR) V23 System functional test was satisfactorily completed.

[Signature] March 11, 2013  
Production Manager (Date)

Using the V23 System Diagnostic Tool as provided by AMSafe Aviation and per AMSafe Supplemental Instructions for Continued Airworthiness, Document No. E510512, Section - Maintenance and Inspection.

Next functional test due: March 11, 2014

Reg. Number: N519MG	CC11-00259
No transponder installed on this aircraft.	
<u>[Signature]</u> Production Manager	<u>March 11, 2013</u> (Date)

YEAR 20 13 DATE	TOTAL TIME IN SERVICE	Current Weight and Balance Information			Remarks
		Empty Weight	Empty CG	Useful Load	

Serial Number: CC11-00259

Registration Number: N519MG

This aircraft was weighed and a weight and balance report was completed and filed with the aircraft's permanent records. I have inspected this aircraft and found it to be in a condition for safe operation.

Note: ELT battery replacement due on November 2019

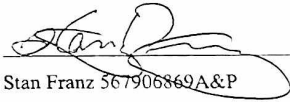
[Signature] MARCH 11, 2013  
Production Manager (Date)






YEAR 20 13 DATE	RECORDING TACH TIME	TODAY'S 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>Reg. Number: N519MG CC11-00259</p> <p>I find that the aircraft meets the requirements for the certification requested and have issued an Experimental Airworthiness Light Sport Certificate dated 03-13-2013. The next condition inspection is due 03-12-2014.</p> <p><i>Gary L. Johnson</i> Gary L. Johnson DARE-833129-NM</p> <p>I certify that the transponder test required by 91.413 as per FAR part 43 appendix "F" has been performed.</p> <p>Date: 7/9/13 Model: GTX 236S S/N: 100000885 20Y010011</p> <p><i>John E. Dir</i> "3666457"</p> <p>CUBCRAFTERS AVIONICS, LLC C.R.S. 4CCR016C 1918 S. 16<sup>TH</sup> AVE YAKIMA, WA 98903</p>

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				<p>07-24-13 N519MG CC11-00259 Tach 4.4 TT 4.4</p> <p>Removed 6:00x6 tires, standard landing gear, standard shock struts, cabane vee, 76" Catto propeller. Installed 3x3 landing gear and cabane vee, AOSS shock strut system, 8:50x6 tires and inner tubes and serviced brakes. Installed 80" Catto propeller (S/N 02132528). Torqued, tracked, saftied and balanced.</p> <p>Removed existing instrument panel and the following equipment: (1) SL40 Com (S/N 25820994), (1) altimeter (S/N 495620), (1) tachometer (S/N 1190), (1) dual oil pressure/oil temperature gauge (S/N n/a), (1) tachometer cable.</p>

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				<p>Installed new instrument panel, bracketry and the following equipment:</p> <p>G3X single screen system including: (1) GSU73 AHARS unit (S/N 1D0000885), (1) GDU 375 display unit (S/N 1D000764), (1) GTX 23ES transponder (S/N 2DY010011), (1) GMC 305 autopilot control (S/N 35V00008), (1) GSA 28 roll servo (S/N 2PG 000025), (1) GSA28 pitch servo (S/N 2PG000033), (1) IBBS backup battery system (S/N 201324532), (1) GMU44 magnetometer, (1) SM7 trim indicator potentiometer, (1) GTN 750 GPS/Nav/Com unit (S/N 1DZA011693), (1) GMA 35 remote audio panel (S/N 1Y6005736), (1) TX91 trig com radio (S/N 00118), (1) GDL 69A XM audio weather receiver (S/N 47766860).</p> <p>Installed CI-159C antenna and coax cable in vertical fin. Interfaced to GTN750 Nav. Fabricated and installed harness for #2 trig com between remote unit/control harness/audio panel and GDU375 display. Reterminated existing lower coax cable to match txp com. Fabricated and installed harness for future Aerocet amphibious float installation. Installed Garmin autopilot system. Fabricated pitch servo bracket. Installed pitch servo with bracket and mounting hardware. Rigged both pitch and roll servos.</p>

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				<p>Fabricated and installed harness between GMC 305 control unit, DGU375 display and both servos. Installed hat switch in control stick for trim control. Modified trim system wiring and relays to accommodate hat switch. Installed customer supplied switches for control of GDL 69A volume, channel and mute functions. Configured and programmed G3X and GTN 750 software, updated databases. Aircraft weighed; Weight and Balance and Equipment List updated. Aircraft test flow, auto pilot set up was accomplished, all flight characteristics are normal.</p> <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div>             Stan Franz 567906869A&amp;P         </div> <div>           XM ID GDL69A (S/N G7WGT0WP)            Data ID 6DL69A (S/N MCGAT0C8)            XM10 GDU 375         </div> </div>

YEAR 2014 DATE	RECORDING TACH TIME	TODAY'S 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)
2-10-14	54.3		54.3	<p>Spirit Avionics Ltd CRS# UOKR250X 4808 E 5<sup>th</sup> Ave Columbus OH 43219 09/13/13 N519MG A/C Hours: 0048.0</p> <p>1 Installed NULITE on Airspeed Indicator IAW AC 43.13 1B and NULITE Installation instructions PN On 11-02572</p> <p>Refer to Spirit Avionics Ltd WO# 13241</p> <p>The maintenance listed above was performed in accordance with the manufacturer's specifications and with the current Federal Aviation Regulations and is approved for return to service with regards to the maintenance accomplished</p> <p>Authorized Signature  Charles M. Evans Certificate Number 3662483 A/F</p> <p>Removed &amp; Replaced tail wire bracing IAW CubCrafters service Alert SA0009 and the Carbon Cub SS Maintenance Manual.</p> <p> A&amp;P 2843707</p>

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				<p>Registration: N519MG Tach: 54.8 ACTT: 54.8 Date: 17 April 2014</p> <p>Work Performed:</p> <ul style="list-style-type: none"> <li>&gt;Opened all panels &amp; cowl for inspection</li> <li>&gt;Inspected all cables, pulleys and lubricated</li> <li>&gt;Removed all wheels. Cleaned, inspect &amp; repack bearings</li> <li>&gt;Replaced ignition back up battery pack. Next due 4/2015</li> <li>&gt;Inspect/tested ELT per FAR91.207d. Battery due 11/2019</li> <li>&gt;Complished with 12 month AMSAFE seatbelt inspection</li> <li>&gt;Lubricated all flight controls</li> <li>&gt;All SBs &amp; SAs checked for compliance thru 2014-04</li> </ul> <p>I certify this aircraft was inspected in accordance with the Cub Crafters Maintenance Manual section 6A Annual Condition Inspection and is determined to be airworthy.</p> <p>Ryan Durbin A&amp;P 2843707 </p>

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02-12-2015 N519MG CC11-00259 Tach 95.0 TT 95.0 CUBCRAFTERS

Removed standard pitot tube and jury strut and installed P/N SC37301-001 jury strut with no pitot tube. Installed inspection hole grommet, cover and pitot tube bracket P/N SC34105-001, mast P/N SC3002-01 and heated pitot tube P/N GAP26 outboard of jury strut attachment on aft of front spar. Wired pitot through 20-amp circuit breaker. Removed com radio antenna from lower "V" inspection panel, fabricated and painted new inspection panel. Installed com antenna on upper left wing leading edge with doubler plate forward of left fuel tank. Fabricated and installed new radio coax.

Installed Lew Aero belly fuel tank I.A.W. instructions provided. Wired and plumbed fuel pump with one-way check valve, circuit protection switch, transfer light and EI capacity fuel quantity probe P/N P-300C mini 1/8 wired to Garmin G3X monitor, completed fuel calibration, full and empty. Placarded switch/breaker and transfer light. Removed and replaced tail wheel spring P/N SP42102-001 (PA12TWSPR), replaced tail wheel steering pawl, serviced and verified proper lockup and release. Removed and replace aileron stop plate P/N SC91015-001, and rigged aileron travel. Adjusted roll servo travel and safetied.

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Removed, fit and replaced left rear interior panel, left wing nav/strobe unit, ignition backup battery, intake air filter and #1 cylinder exhaust pipe. Serviced brakes, inspected all primary control systems and lubricated. Tested ELT and rearmmed, airbag system tested. Complied with SB00029 by installing forward fuel drain. Weight and balance and Equipment List updated. "I certify that this aircraft has been inspected on February 12, 2015 in accordance with the scope and detail of 14 CFR part 43, appendix D, or the manufacturer's inspection procedures, and was found to be in a condition for safe operation."

Stan Franz 567906869A&P

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Performance Air Inc  
4919 Aviation Way  
Caldwell, ID 83605  
(208)-455-7400

N519MG TACH: 145.1 ACTT: 145.1 Date: 03-09-2016

Completed a Condition Inspection this date in accordance with Cub Crafters CC11-160 Aircraft Maintenance Manual Annual Condition Inspection. Visually inspected control surfaces and their hinge points for condition and operation. Installed Summit Aircraft SS2300 ski package in accordance with ski installation procedure for carbon cub. Patched holes in underside of right horizontal stabilizer and right elevator. Complied with Service Bulletin SB0032 Rev A by replacement of engine induction hoses with part number: SC56053-001, O-Rings and lockwashers. Installed new backup ignition system battery P/N: SP91001-201 .... battery due for replacement on 3/2017. Aircraft was reweighed and new weight and balance report generated this date.  
This aircraft was inspected in accordance with FAR 43 Appendix D and is approved for return to service.

Yancey Waddington

518132889 IA

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S 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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**Skyline**

AVIATION MAINTENANCE

AVIATION MAINTENANCE  
C11-140 11 166.9  
C11-140 11 166.9  
C11-140 11 166.9

The A/C transponder test and inspections required by 14 CFR Part 91.413, as amended, have been performed and found to comply with 14 CFR Part 91.413, as amended. Appendix F and F (a) and F (b) approved for return to service.

MIN 67X 23 P/N 011-02803-02 SN 204010011



Date 2-25-16 W On A1032 Inspector [Signature]



Skyline Aircraft Maintenance 3403 Airport Rd. Nampa, Idaho 83687  
LOG ID# 2584 25-April-2017 CUBCRAFTERS CC11-160 TACH 191.9  
N519MG S/N CC11-00259

Update main software in Garmin G3X system from 10.4 to 11.4. Update Nav Data at customer's request. Update GTN 750 and GMA main software in accordance with Service Bulletin 1655 Rev A. Update Nav Data on GTN 750 that will be active 4/27/2017. Ground checks satisfactory. "I certify that the above identified aircraft or components thereof, has been maintained in accordance with the current regulations of the Federal Aviation Administration, and with respect only to the work performed, is in an Airworthy condition for return to service. Pertinent details of this installation are on file at this agency."

Signed AP 518020546 IA Roy W. Coffelt, IA



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				 <p>Performance Air Inc 4919 Aviation Way Caldwell, ID 83605 (208)-455-7400</p> <p>N519MG TACH: 166.7 ACTT: 166.7 Date: 04-24-2017</p> <p>Completed an Annual Condition Inspection this date. Visually inspected all flight controls and their hinge points for condition and operation. Cleaned, visually inspected and greased all wheel bearings and tailwheel assembly. Function tested ELT- Batteries due 11/2019. Replaced 12VDC backup battery P/N: SP91001-201 .... battery due for replacement on 4/2018. Installed new induction air filter P/N: PC54108-001. Patched several holes in underside of vertical stabilizers.</p> <p>This aircraft was inspected in accordance with Cub Crafters, Inc. CC11-160 Maintenance Manual and is approved for return to service.</p> <p>Yancey Waddington  516132889 IA</p>

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				<p><b>CUBCRAFTERS</b></p> <p>1920 South 16<sup>th</sup> Ave., Yakima, WA 98903 (AKYKM) Phone: (509) 248-1025 Fax: (509) 853-2783</p> <p>21 Mar 2018 N92LG S/N CC11-00259 Tach 187.0 Airframe</p> <p>Removed registration number N519MG and installed new registration number N92LG. FAA form 8050-64 completed and copy is in aircraft.</p> <p> Bryant Higgins 3547598A&amp;P</p> <div style="border: 1px solid black; padding: 5px;"> <p>I certify that the ATC Transponder test required by 14 CFR Part 91.413 has been performed in accordance with Part 43, Appendix F.</p> <p>Details of work performed are on file under Work Order # <u>001477</u></p> <p>Date <u>03-28-2018</u> Transponder Model <u>GTX 73ES</u></p> <p>Signature <u></u> Transponder S/N <u>20401011</u></p> <p>CubCrafters Avionics, LLC Certificate # <u>4CCR016C</u></p> <p>1920 S. 16<sup>th</sup> Avenue Yakima, WA 98903</p> <p><b>CUBCRAFTERS</b> Certified Repair Station 4CCR016C</p> </div>

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**CUBCRAFTERS**

1920 South 16<sup>th</sup> Ave - Yakima, WA 98901 (KYNM)  
Phone: (509) 248-1025 Fax: (509) 858-2783

26 Mar 2018	N92LG	S/N CC11-00259	Tach 187.0	Hobbs 213.9
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Removed landing gear vees, ski brackets and fabric, painted, reinstalled with flexible brake lines, serviced wheel bearings and brakes. Installed new tail wheel tire and tube, serviced bearings. Removed uncovered, painted and reinstalled left and right stabilizers. Installed all new side windows and sky light, performed annual test on AmSafe airbags. Installed new #3 exhaust tube, new air filter, reinstalled 80X50 NLE Catto propeller (S/N 02132528).

Removed airspeed, installed Garmin G5 and wired interconnect to the G3X. Installed GDL39 on top of instrument panel and new Garmin roll servo. Installed foam stick grips. Removed original seat upholstery and installed leather Oregon Aero seat upholstery. Installed new ignition back up battery.

C/W SL0023 Breather Tube Service. Removed LewAero aux fuel tanks and ski brackets. Weight and Balance and Equipment list updated. "I certify that this aircraft has been inspected on 26 Mar 2018 in accordance with the scope and detail of 14 CFR Part 43, Appendix D, or the manufacturer's inspection procedures, and was found to be in a condition for safe operation."

Stan Franz IAS64906869

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**CUBCRAFTERS**

1920 South 16<sup>th</sup> Ave - Yakima, WA 98901 (KYNM)  
Phone: (509) 248-1025 Fax: (509) 858-2783

18 Apr 2018	N92LG	S/N CC11-00259	Tach 187.00	Airframe
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Removed GDU375 and installed GDU470 (S/N 59D000140). Weight and Balance change negligible and Equipment List updated.

Erin Bos 3757475A&P

**Airframe Log Entry**

**N92LG TACH:218.9 ACTT:278.3 S/N CC11-00259**

Completed a condition inspection IAW Cub Crafters CC11-160 Aircraft Maintenance Manual Annual Condition Inspection. Installed new backup ignition system battery p/n SP91001-201 Installed new ELT battery p/n 0141823 exp 07/2025 Performed annual test on AmSafe airbags Installed LewAero aux fuel tank Weight and balance and equipment list updated I certify that this aircraft has been inspected IAW the manufacturers inspection procedures and was found to be in a condition for safe operation

Erin Bos 3619542 A&P 5-01-2019

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S 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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Eagle's Nest Flight Services, LLC  
249 Aero Dr. Waynesboro, VA 22980

N92LG Airframe Date: 6-2-2020 Engine Hours: 314.2 Total Hours: 403.8

Removed existing front control stick and wiring harness, including two relays. Installed new CubCrafters front control stick, p/n SC94000-001. Installed new airframe wiring harnesses, p/n CK75000-001 and SC76209-002 to conform with CubCrafters CC11-160 Maintenance Manual Figure 5.4.14.2 Main Bus Circuit Schematic. Installed new Powersafe SBS J-16 main battery. Ground operational check normal.

*Arthur W. Salatin*

Arthur W. Salatin A&P 2221823

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Freedom Aviation  
310 Hangar Road  
Lynchburg, VA 24502  
(434) 237-8434

Date: 09/08/2020  
Aircraft: N92LG  
Type: CC11-160  
Hobbs: 435.9  
WO: A20-0361  
S/N: CC11-00259  
Tach: 338.8

Airframe Entries Ramp checked and found the wiring to the GSU73 pin 17 and 36 was present but might be deteriorated. Re-terminated wiring to the GSU73 Tach input pins 17 and 36 as per the G3X install manual #190-01115-01. Aircraft RPM input ramp checked good. Ramp checked and found the G3X autopilot will not pass pre-flight test and does not actuate due to missing servos from the configuration located the Pitch and Roll servo's and tested the wiring. Found that the CANBUS wiring Ht connection was not making to the Roll Servo. Traced all the CANBUS wiring in the aircraft and found a bad connection at the GSU73. Re-terminated the CANBUS wiring at the GSU73 as per the G3X installation manual #190-01115-01

Maintenance Release

The aircraft and/or component(s) assigned above was repaired and inspected in accordance with current Federal Aviation Regulations. Return details are available at this repair station

Jasoft K. Moorefield A&P # 2782221


YEAR 20 DATE	RECORDING TACH TIME	TODAY'S 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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Eagle's Nest Flight Services, LLC  
249 Aero Dr. Waynesboro, VA 22980

N921G Airframe Date: 10-6-2020 Tach: 342.2

Removed left (inboard) Light Speed Plasma III CDI module from mounting under cockpit right forward side panel, and sent to Light Speed Engineering in Santa Paula, CA for repair. Checked integrity of wiring between CDI modules and main battery. Reinstalled same CDI module in same location after repair. Ground run-up normal.

Arthur W. Salatin Arthur W. Salatin A&P 2221823

 **Freedom Aviation** Date: 11/03/2020  
310 Hangar Road Aircraft: N92LG S/N: CC11-00259  
Lynchburg, VA 24502 Type: CC11-160  
(434) 237-8434 Hobbs: 454.1 Tach: 352.7  
WO A20-0430

#### Airframe Entries

Ramp checked the G3X engine instrument system Tach input from the GSU73 to the Engine ignition system. Tested and found the tach input wiring good into Pin 17 on the GSU73-J732. The pull down resistor is correct. Re-terminated the wiring at the GSU73 and gained access to the Light Speed electronic ignition system. Cleaned and resealed all connections to the ignition system and the Tach Sensor. This work done as per the G3X installation manual #190-0115-01. The aircraft RPM readout ramp checked good. Adjusted the squelch settings in the Garmin GTN750 to minimize the breaking of the squelch. These were adjusted in accordance with the Garmin GTN750 installation manual #190-01007-A3.

Maintenance Release  
The aircraft and/or component(s) as listed above was repaired and inspected in accordance with current Federal Aviation Regulations. Payment details are on file at this repair station.

Jason R. Moorfield A&P# 2782221

YEAR 20 DATE	RECORDING TACH TIME	TODAY'S 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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Eagle's Nest Flight Services, LLC  
249 Aero Dr. Waynesboro, VA 22980

N921G Airframe Date: 1-20-2021 Tach: 373.0 AFTT: 373.0

Installed new Battery MINDER airframe interface kit, p/n BVI-AIR2A. Interface plug is located on forward seat pedestal immediately forward of aft control stick. A 15-amp in-line fuse is located under cabin floor, and is accessed through the removable belly panel. Guidance received from publication Battery MINDER BVI-AIR2A and BVI-AIK1 Installation Instructions. Operational check normal.

Arthur W. Salatin Arthur W. Salatin A&P 2221823

YEAR 20	RECORDING TACH TIME	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description <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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Date 5/4/2020 N# 9226  
 Model FR38ES S/N 20610011 Position L  
 I certify that the above transponder(s) has been tested as required by  
 (FR 91.413 in accordance with current Regulations of the  
 Federal Aviation Agency and is approved for return to service.  
 pertinent details of the inspection are on file at this repair station under  
 W/O# 20082403 Date 5/4/2020  
 Signed [Signature]  
 Shenandoah Avionics, LLC Repair Station # 2S-AR659Y  
 63 Aviation Circle Wevers Cave, Va. 24486

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5-8-20 313.1 402.8  
 Completed a condition inspection this  
 date 5-8-20. Inspected Aircraft wing-tail-  
 controls - cables - wheels and brakes - lighting  
 syn FR91.202-0 - inspection of ELDT  
 battery due 7-25. Replaced ignition system  
 battery p/n 5091001-201 -  
 I certify that this aircraft has been  
 inspected in the condition inspection  
 and was found to be safe for flight.  
 James T. Todd  
 IATAD 20082403

YEAR  
20  
DATE

WO: 5037

Airframe · page 1 of 2



Classic Aviation · 69 Aviation Circle · Meyers Cave, VA 24486 · 5402340226

**N92LG**

HOBBS: 513.1

**CUBCRAFTERS INC, CC11-160, S/N: CC11-00259**

ACTT: 513.1

Engine TT: 401.4

**June 10, 2021**

**AIRFRAME**

Completed Condition Inspection referencing Cub Crafters CC11-160 Maint. Manual Scheduled Inspection Report. Researched systems. Checked plug connections on Garmin units and CDI units, reset tach configuration. Ops check normal. Charging system operates properly. Inspected KANNAD ELT s/n RX 1000036882. IAW CFR 91.207(d). Ops check normal. Bat due 7-2025. Functional check of shoulder harness per Amsate Document # E510512. Ops check normal. Replaced ignition back up battery p/n SP91001-20, function check normal. Lubed and checked flight and engine controls. C/W SI0023 Rev A. Cleaned breather tube with wire brush. Recommended each 50 hours. Tighten bolts on tail wheel assy. and lube. Replaced missing vortex generator vane on RH wing. Adjusted rod ends on L&R flaps for proper rigging per Maint. manual. Replaced chafe strips and RH hinge bolt. Installed new nipple on battery terminal lead. Replaced air filter. Tightened upper flying wires on tail. Repalced OB brake linings on L&R brake assys, p/n RA 066-11100.

The aircraft, airframe, aircraft engine, propeller or appliance identified was repaired and/or inspected in accordance with current Regulation of the Federal Aviation Agency and is approved for return to service for

WO: 5037

Airframe · page 2 of 2



Classic Aviation · 69 Aviation Circle · Meyers Cave, VA 24486 · 5402340226

the work performed. I certify that this Aircraft has been inspected in accordance with a Condition Inspection and was determined to be in airworthy condition.

David Kihlmire A&P 2767649