



The Standard

AIRCRAFT LOG

ASA-SA-1

Aircraft Record General Information

Manufacturer Brad Goff Model Rans S-21
Serial 10180018 Registration Number N63BG
Date of Manufacture 2019

Engine(s) currently installed:

Manufacturer Lycoming Model O360A1A Serial _____
Manufacturer _____ Model _____ Serial _____

Propeller(s) currently installed:

Manufacturer _____ Model _____
HUB Model _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____
Blade Model _____ Serial _____ Serial _____ Serial _____

| 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.) |
|------------------------|---------------------------|-------------------|-----------------------------|--|
| | | | | I CERTIFY THIS AIRCRAFT HAS BEEN INSPECTED ON <u>6-7-19</u> I.A.W. FAR PART 43 APPENDIX D AND FOUND TO BE IN A CONDITION FOR SAFE OPERATION. <u>Brad Hoff</u> DATE <u>6-7-19</u> |
| | | | | I FIND THIS AIRCRAFT MEETS THE REQUIREMENTS FOR A SPECIAL AIRWORTHINESS CERTIFICATE FOR THE PURPOSE OF OPERATING AMATEUR BUILT AIRCRAFT AND HAVE ISSUED A SPECIAL AIRWORTHINESS CERTIFICATE AND OPERATING LIMITATIONS DATED <u>6-7-19</u> |
| | | | | NEXT CONDITION INSPECTION DUE <u>6-30-20</u> |
| | | | | TIM WILSON 076784638 <u>Tim Wilson</u> |

| 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.) |
|------------------------|---------------------------|-------------------|-----------------------------|---|
| | | | | <p>I Certify that the prescribed flight test has been completed and the aircraft is controllable throughout its normal range of speeds and throughout all maneuvers to be executed, has no hazardous operating characteristics or design features, and is safe for operation.</p> |
| | | | | <p>I certify that the following aerobatic maneuvers have been test flown, and that the aircraft is controllable throughout the maneuvers' normal range of speeds</p> |

"over"

| 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.) |
|------------------------|---------------------------|-------------------|-----------------------------|---|
| | | | | <p>The flight-tested aerobatic maneuvers and speeds are.</p> <ul style="list-style-type: none"> - Spins at 4,000 AGL, at stall - Rolls at 4,000 AGL, at 130-150 MPH |
| | | | | <p>Brad Goff November 5, 2019 Brad Goff</p> |

| | | | | |
|-----------------------|----------------------------|-----------------------|------------------------------|---|
| YEAR 20____ | 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.) |
|-----------------------|----------------------------|-----------------------|------------------------------|---|

DATE _____

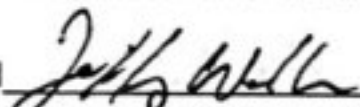
Airframe

August 1, 2021

| | | | | |
|------|-----------|----------|--------|--------|
| REG# | A/C Model | A/C SN: | ACTT | Hobbs |
| N63B | Rans S-21 | 10180018 | 116.02 | 116.02 |

This **Airframe** has been inspected IAW Rans MM and FAR 43.13 Appendix D for an Annual **Condition** Inspection. Serviced airframe per Cubcrafters maintenance manual. Repacked all wheel bearings. Service Mead float Kit. Lubricated all flight controls. Inspected ELT in accordance to applicable aircraft and ELT manufacturer's instruction and applicable FAA guidance and found that it meets the requirements of section **91.207(d)** as of 08/01/2021. Removed and replaced left & right main wheel/aero classic PN: 31329. No applicable AD's or SB as of 08/01/2021.

I certify that I have inspected this **Airframe** IAW the manufactures inspection guidelines for a **Condition** inspection and was determined to be in condition for safe flight. All work was accomplished in accordance with the current Federal Aviation Regulation and manufacture maintenance instruction.

Signed  Date 8-01-2021
Jeffrey Willems AP.3291817.IA

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| 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.) |
|------------------------|---------------------------|-------------------|-----------------------------|---|
| | | | | |



Airframe

June 27, 2024

| REG# | A/C Model | A/C SN: | ACTT | Hobbs |
|-------|-----------|----------|--------|--------|
| N63BG | Rans S-21 | 10180018 | 147.24 | 147.24 |

This **Airframe** has been inspected IAW Rans MM and FAR 43.13 Appendix D for an Annual **Condition** Inspection. Serviced airframe per Cubcrafters maintenance manual. Repacked all wheel bearings. Service Mead float Kit. Lubricated all flight controls. Inspected ELT in accordance to applicable aircraft and ELT manufacturer's instruction and applicable FAA guidance and found that it meets the requirements of section **91.207(d)** as of 08/01/2021. Removed and replaced left & right main wheel/aero classic PN: 31329. No applicable AD's or SB as of 06/27/2024,

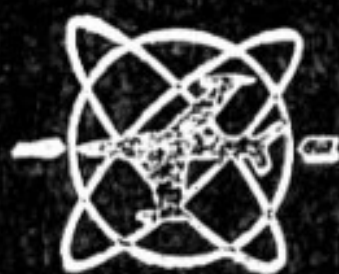
I certify that I have inspected this **Airframe** IAW the manufactures inspection guidelines for a **Condition** inspection and was determined to be in condition for safe flight. All work was accomplished in accordance with the current Federal Aviation Regulation and manufacture maintenance instruction.

Signed

Date

06-27-2024

Jeffrey Willems AP.3291817



The Standard

ENGINE LOG

ASA-SE-1

YE

Wing and A Prayer Engine N63BG Lycoming O-360-A1A S/N L-4371-51A

DA

May 11, 2019

Tach Time 0.0

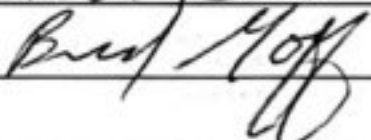
TTE 2114.0

Engine major overhaul this date to Zero time standards but total time continues. Converted from IO-360-B1E to O-360-A1A by removing fuel injection and rear facing sump and installing Vertical sump and MA-4-5 carburetor P/N 10-3878 that was overhauled by Marvel Schebler see 8130-3. Engine Crankcase overhauled by Divco see yellow tag. Crankshaft, rods, and crankshaft gear yellow tagged by Aircraft Specialties see yellow tags. Installed new cam shaft kit SL18840Kit2. Installed eight new Connecting rod bolts P/N SA35972, eight connecting rod nuts P/N SL12186; all new Superior bearings on crankshaft (two front bearings P/N SL13884AM03, four Main Bearings SL11020M03, rod bearings eight P/N SL16711AM03, new oil pump Kit SL78531Kit. Installed 4 new cylinder assemblies P/N SL36006WA20P complete with new pistons. Engine assembled with new gaskets with reference to Lycoming overhaul manual. Installed the following new accessories, Hartzell Engine Technologies starter P/N 149-12LS, Hartzell propeller governor Model S-1-10 S/N G4098NJ, and two new E-Mags, adjusted mag base timing to 5Deg ATDC with jumper wire installed.



-----Brian Reid A&P 3462168 IA-----

| YEAR: 2019 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.) |
|-----------------------|---------------------------|-------------------|-----------------------------|--|
| 9-12 | 25:23 | | | Performed first oil change. Drained and strained oil looking for any chunks of metal with none found, cleaned oil filter screen and magnet found minimal sludge. At this point engine was still using some oil so decided to use break in oil one more time. |
| | | | | Brent Goff |
| | | | | Brent Goff Aircraft builder |

| YEAR: <u>2020</u> 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.) |
|------------------------------|---------------------------|-------------------|-----------------------------|--|
| 1-7 | 36.36 | | | <p>Oil Change, and cleaned screen and magnet in oil filter.</p> <p>Engine stopped using oil along with cylinder heads dropping in temp.</p> <p>Found almost nothing when changing oil and cleaning of screens.</p> <p>Switched to normal oil, Phillips X/C 20W-50(6) quarts</p> <p>Brad Goff Aircraft Builder </p> |

| YEAR: <u>2020</u> 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.) |
|------------------------------|---------------------------|-------------------|-----------------------------|---|
| 7-10 | | | | I certify that this aircraft has been inspected on 7-10-20 in accordance with the scope and detail of appendix D to part 43 and found to be in condition for safe operation |
| | 49:55 | | | Tech time 49:55 Brad Goff Brad Goff Certificate # 4375654 Experimental aircraft builder |
| | | | | |
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| YEAR: _____ 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.) |
|------------------------|---------------------------|-------------------|-----------------------------|--|
|------------------------|---------------------------|-------------------|-----------------------------|--|



Engine

August 1, 2021

| REG# | Lycoming | SN: | TSN | ETT | Tach |
|------|----------|------------|--------|--------|--------|
| N63B | 0360A1A | L-4371-51A | 116.02 | 116.02 | 116.02 |

This **Engine** has been inspected IAW Lycoming MM Rev A. Dated 08/05/2014 and FAR 43.13 Appendix D for an Annual **Condition** Inspection. Compression test as follows Cly#1. 72, #2 74 #3 70, #4 76/80. Serviced engine with 8qts Phillips XC 20w50. Removed and cleaned oil screen. Removed, cleaned and rotated all spark plugs. Removed and replaced engine inlet filter with new. Lubricated all engine controls. No Applicable AD's or SB's as of 08/01/2021

I certify that I have inspected this **Engine** IAW the manufactures inspection guidelines for a **Condition** inspection and was determined to be in condition for safe flight. All work was accomplished in accordance with the current Federal Aviation Regulation and manufacture maintenance instruction.

Signed

Jeffrey Willems
Jeffrey Willems AP.3291817.IA

Date

8-1-2021

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Engine

May 21, 2023

Repair

| | | | | | |
|------|----------|------------|-----|-----|------|
| REG# | Lycoming | SN: | TSN | ETT | Tach |
| N63B | 0360A1A | L-4371-51A | 118 | 118 | 118 |

This Engine has been inspected IAW Lycoming MM Rev A. Dated 08/05/2014 and FAR 43.13 Appendix D for an Annual Condition inspection. Compression test as follows Cly#1. 70, #2 76 #3 78, #4 68/80. Serviced engine with 8qts Phillips XC 20w50. Removed and cleaned oil screen. Removed, cleaned, and rotated all spark plugs. Removed and replaced engine inlet filter with new. Lubricated all engine controls. No Applicable AD's or SB's as of 05/21/2023.

I certify that I have inspected this Engine IAW the manufactures inspection guidelines for a Condition inspection and was determined to be in condition for safe flight. All work was accomplished in accordance with the current Federal Aviation Regulation and manufacture maintenance instruction.

Signed *Jeffrey Willems* Date 05-21-2023
 Jeffrey Willems AP.3291817.IA

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| YEAR: _____ 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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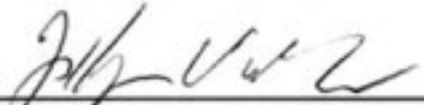
Engine

June 27, 2024

| REG# | Lycoming | SN: | TSN | ETT | Tach |
|-------|----------|------------|--------|--------|--------|
| N63BG | 0360A1A | L-4371-51A | 147.24 | 147.24 | 147.27 |

This **Engine** has been inspected IAW Lycoming MM Rev A. Dated 08/05/2014 and FAR 43.13 Appendix D for an Annual **Condition** Inspection. Compression test as follows Cly#1. 74, #2 76 #3 72, #4 74/80. Serviced engine with 8qts Phillips XC 20w50. Removed and cleaned oil screen. Removed, cleaned and rotated all spark plugs. Removed and replaced engine inlet filter with new. Lubricated all engine controls. No Applicable AD's or SB's as of 06/27/2024.

I certify that I have inspected this **Engine** IAW the manufactures inspection guidelines for a **Condition** inspection and was determined to be in condition for safe flight. All work was accomplished in accordance with the current Federal Aviation Regulation and manufacture maintenance instruction.

Signed  Date 06272024
 Jeffrey Willems AP.3291817

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WESTERN AIRCRAFT
PROPELLER SERVICE INC.

Portland-Troutdale Airport
1510 N.W. North Perimeter Rd. – Troutdale, Oregon 97060
(503) 667-8865 – (503) 667-8937

F.A.A. Approved Repair Station N. FQ6R544N

PROPELLER LOGBOOK



Owner Name _____

Address _____

Propeller Model _____

Blade Model _____

Hub _____

Blade Ser _____

Western Aircraft Propeller Service
42313 SE Oral Hull Rd. Sandy River Airport
Sandy, OR 97055

Maintenance Record

WO# HB-24239 Mfg. Hartzell Propeller HC-C2YK-1BF/F8475J-4
Hub Serial- CH33436B Blade Ser-1.L65628 2.L65630

Overhaul and Recondition for experimental application. AD Notes 2001-07-03, AD
2003-01-03, AD2003-13-17, AD2005-14-11, AD2006-24-07, AD2007-26-09,
AD2009-22-03, complied at overhaul Propeller for 0360 Configuration.

Laurie Marshall

08/24/2018

DATE

Repairman

Propeller for Homebuilt or Experimental Use Only. Propeller configuration
And installation may exceed the TC's design limitations published by the OEM

MAINTENANCE & SERVICE HISTORY

Da



Propeller

August 1, 2021

| REG# | Hartzell | SN: | PTSN | PTT | TACH |
|------|-------------|----------|--------|--------|--------|
| N63B | HC-C2YK-1BF | CH33436B | 116.02 | 116.02 | 116.02 |

This **Propeller** has been inspected IAW Rans and FAR 43.13 Appendix D for an Annual **Condition** Inspection. Checked spinner and bulk head for cracks, none found. Removed safety wire and check torque on all prop bolts of 35Lbs and safety wired. No Applicable AD's or SB's as of 09/20/2019

I certify that I have inspected this **Propeller** IAW the manufactures inspection guidelines for a **Condition** inspection and was determined to be in condition for safe flight. All work was accomplished in accordance with the current Federal Aviation Regulation and manufacture maintenance instruction.

Signed

Date

8-1-2021

Jeffrey Willems AP.3291817.IA

NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12



Propeller

May 21, 2023

DRY

| REG# | Hartzell | SN: | PTSN | PTT | TACH |
|------|-------------|----------|------|-----|------|
| N63B | HC-C2YK-1BF | CH33436B | 118 | 118 | 118 |

This Propeller has been inspected IAW Rans and FAR 43.13 Appendix D for an Annual Condition Inspection. Checked spinner and bulkhead for cracks, none found. Removed safety wire and checked torque on all prop bolts of 35Lbs and safety wired. No Applicable AD's or SB's as of 05/2023

I certify that I have inspected this Propeller IAW the manufactures inspection guidelines for a Condition inspection and was determined to be in condition for safe flight. All work was accomplished in accordance with the current Federal Aviation Regulation and manufacture maintenance instruction.

Signed Jeffrey Willem's Date 05-21-2023
Jeffrey Willem's AP.3291817.IA


Signatures
and Station
Numbers

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NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12

MAINTENANCE & SERVICE HISTORY

M

| Date | Total Propeller Time | Time Since Overhaul | Description Of Work | Authorized Signatures Repairman and Station Certificate Numbers | | | | | | | | | | | | |
|--|----------------------|---------------------|---------------------|---|--------|----------|-----|------|-----|------|-------|-------------|----------|--------|--------|--------|
|  Propeller June 27, 2024 | | | | | | | | | | | | | | | | |
| <table border="1"><thead><tr><th>REG#</th><th>Hartzell</th><th>SN:</th><th>PTSN</th><th>PTT</th><th>TACH</th></tr></thead><tbody><tr><td>N63B@</td><td>HC-C2YK-1BF</td><td>CH33436B</td><td>147.24</td><td>147.24</td><td>147.24</td></tr></tbody></table> | | | | | REG# | Hartzell | SN: | PTSN | PTT | TACH | N63B@ | HC-C2YK-1BF | CH33436B | 147.24 | 147.24 | 147.24 |
| REG# | Hartzell | SN: | PTSN | PTT | TACH | | | | | | | | | | | |
| N63B@ | HC-C2YK-1BF | CH33436B | 147.24 | 147.24 | 147.24 | | | | | | | | | | | |
| <p>This Propeller has been inspected IAW Rans and FAR 43.13 Appendix D for an Annual Condition Inspection. Checked spinner and bulk head for cracks, none found. Removed safety wire and check torque on all prop bolts of 35Lbs and safety wired. No Applicable AD's or SB's as of 06/27/2024.</p> <p>I certify that I have inspected this Propeller IAW the manufactures inspection guidelines for a Condition inspection and was determined to be in condition for safe flight. All work was accomplished in accordance with the current Federal Aviation Regulation and manufacture maintenance instruction.</p> <p>Signed <u><i>Jeffrey Williams</i></u> Date <u>06-27-2024</u> Jeffrey Williams AP.3291817</p> | | | | | | | | | | | | | | | | |
| NOTE: Enter Compliance With All Applicable FAA A.D. & Factory Service Bulletins On Pages 11 & 12 | | | | | | | | | | | | | | | | |

Date

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