

#2

# AIRCRAFT AND ENGINE LOG BOOK

N 5924A & N211CT

LOGBOOK # 1

DATES FROM 11/19/2011

TO: \_\_\_\_\_

## AIRCRAFT DATA

| AIRCRAFT DATA  |                  | NOTES                            |
|----------------|------------------|----------------------------------|
| MAKE           |                  |                                  |
| MODEL          |                  |                                  |
| SERIAL #       |                  |                                  |
| N #            |                  |                                  |
| MFG. DATE:     | DATE IN SERVICE: |                                  |
| SPAN:          | LENGTH:          | HEIGHT:                          |
| GROSS WT.:     | EMPTY WT:        |                                  |
| WING LOADING   | lbs. / sq. ft.   |                                  |
| FUEL CAP.:     |                  |                                  |
| LOAD FACTORS + |                  | -                                |
| STALL SPEED:   |                  |                                  |
| CRUISE SPEED:  |                  |                                  |
| BEST CLIMB:    |                  | TAIL ROTOR GOOD TILL 441 ON TACH |
| BEST GLIDE:    |                  |                                  |
| Vne:           |                  |                                  |

MAIN ROTOR HEADUP GRADE AT 145.5 TACH

250 HR OVERHAUL DUE AT 395.5

| DATE<br>20 <u>11/17</u> | TIMES FOR TODAY |                   |                    | FUEL /OIL<br>BOARDED | Description of day to day service.<br>List part No.s, sizes, etc.<br>Other remarks | TACH<br>TIME |
|-------------------------|-----------------|-------------------|--------------------|----------------------|------------------------------------------------------------------------------------|--------------|
|                         | TOTAL<br>ENGINE | TOTAL<br>AIRCRAFT | ENG. OFF<br>FLIGHT |                      |                                                                                    |              |
| <u>11/18</u>            |                 |                   |                    |                      |                                                                                    |              |
| <u>11/19</u>            |                 |                   |                    |                      |                                                                                    |              |
| <u>11/19</u>            | 151.9           | 151.9             |                    |                      | Times are read from the Hobbs                                                      | 151.9        |
|                         |                 |                   |                    |                      |                                                                                    |              |
|                         | 1.6             | 1.6               |                    |                      |                                                                                    |              |
| <u>12/12</u>            | 153.5           | 153.5             |                    |                      | Hover & Local flight                                                               | 153.5        |
| <u>12/13</u>            | 154.0           | 154.0             | 0.5                |                      | Local flight                                                                       | 154.0        |
| <u>12/17</u>            | 154.6           | 154.6             |                    |                      | Local hover & flight                                                               | 154.6        |
| <u>12/27</u>            | 155.5           | 155.5             |                    |                      | Local hover & flight                                                               | 155.5        |
| <u>2/05</u>             | 156.7           | 156.7             | 1.2                |                      | Local flight                                                                       | 156.7        |
| <u>2/06</u>             | 158.7           | 158.7             | 2.0                |                      | Local flight                                                                       | 158.7        |
| <u>3/07</u>             | 159.8           | 159.8             | 1.1                |                      | Local flight                                                                       | 159.8        |
|                         |                 |                   |                    |                      | TOTALS THIS PAGE                                                                   |              |
|                         |                 |                   |                    |                      | AMT. FORWARD                                                                       |              |
|                         |                 |                   |                    |                      | TO-DATE TOTAL                                                                      |              |

| DATE<br>2011 <del>12</del> 12 | TIME IN<br>SERVICE | RECORD OF MAJOR REPAIRS, ALTERATIONS, ADDITIONS AND REMOVALS<br>OR EXCHANGES. LIST MAKES, MODELS, SERIAL NUMBERS. |
|-------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------|
| 11/18                         |                    | Transition hover with Bobby Baker of Safari Helicopters                                                           |
| 11/19                         |                    | Transition flight & hover with Bobby Baker                                                                        |
| 11/19                         |                    | I started flying this helicopter at hours 148.9 on the                                                            |
|                               |                    | Hobbs meter and shut down at 151.9 for a total of 2 hrs.                                                          |
|                               |                    | solo time [REDACTED]                                                                                              |
|                               |                    |                                                                                                                   |
|                               |                    |                                                                                                                   |
|                               |                    |                                                                                                                   |
|                               |                    |                                                                                                                   |
| 1/24/12                       |                    | Installed oil filter adapter with filter (added oil)                                                              |
|                               |                    |                                                                                                                   |
|                               |                    |                                                                                                                   |
|                               |                    |                                                                                                                   |
|                               |                    |                                                                                                                   |

| DATE<br>20 <u>12</u> | TIME IN<br>SERVICE | RECORD OF MAJOR REPAIRS, ALTERATIONS, ADDITIONS AND REMOVALS<br>OR EXCHANGES. LIST MAKES, MODELS, SERIAL NUMBERS.                                                                                                                                                                                                                                            |
|----------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      |                    |                                                                                                                                                                                                                                                                                                                                                              |
|                      |                    | Phase One (40 hrs) was completed as required, however<br>not annotated in the previous owner's log books.                                                                                                                                                                                                                                                    |
|                      |                    |                                                                                                                                                                                                                                                                                                                                                              |
| 4/09/2012            | 159.8              | I FIND THAT THIS AIRCRAFT MEETS THE<br>REQUIREMENTS FOR THE CERTIFICATION REQUESTED<br>AND HAVE ISSUED A AMENDED SPECIAL<br>AIRWORTHINESS CERTIFICATE DATED APRIL 9 2012.<br>THE NEXT CONDITION INSPECTION IS DUE NOVEMBER<br>17, 2012. Jim Loppert SW03 BTR FSDD.<br>This certificate was amended to correct the model<br>shown in block D. (redacted) SW03 |
|                      |                    |                                                                                                                                                                                                                                                                                                                                                              |
|                      |                    |                                                                                                                                                                                                                                                                                                                                                              |
|                      |                    |                                                                                                                                                                                                                                                                                                                                                              |
|                      |                    |                                                                                                                                                                                                                                                                                                                                                              |
|                      |                    |                                                                                                                                                                                                                                                                                                                                                              |

| DATE<br>2013 | TIME IN<br>SERVICE | RECORD OF MAJOR REPAIRS, ALTERATIONS, ADDITIONS AND REMOVALS<br>OR EXCHANGES. LIST MAKES, MODELS, SERIAL NUMBERS.                                                                                                                                                                                                                                                                                 |
|--------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1/15         |                    | Shut down after 0.2 running caused by a person walking into the front blades of the tail rotor while operating at about 1200 to 1500 RPM. Impact to the leading tip of both stainless steel blades resulted in both tips being damaged and both blades being distorted along their length, requiring the blades and gear box being sent to the Safari factory in Florida for inspect and testing. |
| 2/02         |                    | spark plug changed and oilers cleaned. oil tank drained and cleaned. cylinders oiled and oil evacuated. Engine run for 0.5                                                                                                                                                                                                                                                                        |
|              |                    |                                                                                                                                                                                                                                                                                                                                                                                                   |
|              |                    |                                                                                                                                                                                                                                                                                                                                                                                                   |
|              |                    |                                                                                                                                                                                                                                                                                                                                                                                                   |

[illegible]

| DATE<br>20 <u>14</u> | TIME IN<br>SERVICE | RECORD OF MAJOR REPAIRS, ALTERATIONS, ADDITIONS AND REMOVALS<br>OR EXCHANGES. LIST MAKES, MODELS, SERIAL NUMBERS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |              |       |                |       |      |                |
|----------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------|-------|----------------|-------|------|----------------|
|                      |                    | <div> <div>CHR International Inc. 3553A Industrial Park Drive Marianna, Florida 32446 USA</div> <table border="1"> <tr> <td>N211JC</td> <td>T T Airframe</td> <td>178.4</td> <td>Tach Reading</td> <td>178.4</td> <td>Date</td> <td>March 30, 2014</td> </tr> </table> <p>Work performed:<br/>           Installed Safari Engine Governor and Sandia STX165 Mode C Transponder Serial # 727;<br/>           removed tail boom, upgraded tubing to current model, powdercoat, re-installed; remove and<br/>           replace over-running sprag with current design, replace alternator belt; upgrade tail rotor input<br/>           housing and seal; replace intercom, install new Concorde RGT-25XC battery, cyclic electric trim,<br/>           cabin heat, curved cyclic sticks and grips, conformal vortex generator tape, paint and rebalance<br/>           tail rotor blades, recover seats, add carpet, install collective friction, shortened pedals and<br/>           installed pedal pads.</p> <div> <div></div> <div>Bobby J. Baker A&amp;P</div> <div></div> </div> <div>Date March 30, 2014</div> </div> | N211JC       | T T Airframe | 178.4 | Tach Reading   | 178.4 | Date | March 30, 2014 |
| N211JC               | T T Airframe       | 178.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tach Reading | 178.4        | Date  | March 30, 2014 |       |      |                |
|                      |                    | <div> <div>CHR International Inc. 3553A Industrial Park Drive Marianna, Florida 32446 USA</div> <table border="1"> <tr> <td>N211JC</td> <td>T T Airframe</td> <td>178.4</td> <td>Tach Reading</td> <td>178.4</td> <td>Date</td> <td>March 30, 2014</td> </tr> </table> <p>Work performed:<br/>           I certify that this aircraft has been inspected on May 14, 2013 in accordance with the scope and<br/>           detail of appendix D to part 43, and was found to be in a condition for safe operation. Cylinder<br/>           #1 - 71 psi, Cylinder #2 - 70 psi, Cylinder #3 - 73 psi, Cylinder #4 - 70 psi.</p> <div> <div></div> <div>Bobby J. Baker A&amp;P</div> <div></div> </div> <div>Date March 30, 2014</div> </div>                                                                                                                                                                                                                                                                                                                                                                                    | N211JC       | T T Airframe | 178.4 | Tach Reading   | 178.4 | Date | March 30, 2014 |
| N211JC               | T T Airframe       | 178.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Tach Reading | 178.4        | Date  | March 30, 2014 |       |      |                |

| DATE<br>20 <u>14</u>  | TIMES FOR TODAY |                   |                    | FUEL/OIL<br>BOARDED | Description of day to day service.<br>List part No.s, sizes, etc.<br>Other remarks                             | TACH<br>TIME |
|-----------------------|-----------------|-------------------|--------------------|---------------------|----------------------------------------------------------------------------------------------------------------|--------------|
|                       | TOTAL<br>ENGINE | TOTAL<br>AIRCRAFT | ENG. OFF<br>FLIGHT |                     |                                                                                                                |              |
| <u>8/</u>             |                 | 191.0             |                    |                     | INSTALL REPLACEMENT<br>TAIL ROTOR SYSTEM DUE TO<br>VERTICAL FIN COMING LOOSE<br>& GOING THRU OLD ONE <i>DM</i> |              |
| OSHKOSH <i>FLY 12</i> |                 |                   |                    |                     | BALANCED & ASSEMBLED GEARBOX,<br>SHAFTS, LINKS, TITANIUM TAIL ROTOR<br>BLADES AT SAFARI                        |              |
| <i>DATE</i>           |                 |                   |                    |                     | SERIAL # ON BLADES ( )                                                                                         |              |
| 8-15                  |                 | 193.0             |                    |                     | INSTALL NEW STYLE FUEL TANK<br>STRAPS BOTH TANKS (4) TOTAL                                                     |              |
|                       |                 |                   |                    |                     |                                                                                                                |              |
|                       |                 |                   |                    |                     | TOTALS THIS PAGE                                                                                               |              |
|                       |                 |                   |                    |                     | AMT. FORWARD                                                                                                   |              |
|                       |                 |                   |                    |                     | TO-DATE TOTAL                                                                                                  |              |

| DATE<br>20 <u>14</u> | TIME IN<br>SERVICE | RECORD OF MAJOR REPAIRS, ALTERATIONS, ADDITIONS AND REMOVALS<br>OR EXCHANGES. LIST MAKES, MODELS, SERIAL NUMBERS.                                                                                                          |
|----------------------|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 9/1                  | 213.5              | INSTALL EXTRA CROSSMEMBER BETWEEN FUEL<br>TANKS (ORIGINALLY ONLY ONE ON A 45° ANGLE)<br>NEW GORS FROM RIGHT <sup>FRAME</sup> TO (LEFT TANK) WHEN STANDING AT<br>REAR OF SHIP<br># PUT ON NEW ENGINE OIL TANK (OIL CHANGED) |
| 9/7                  | 214.5              | CHANGE MAIN TRANS OIL # CLEAN CHIP DETECTOR<br># REINSTALLED LITTLE OVER A 1/2 QT NEEDED TO<br>BRING TO CENTER OF SIGHT WITH FILL TUBE DOWN!                                                                               |
| 2015<br>1/2/15       |                    | NEW BATTERY INSTALLED BY BLACKHAWK<br>AIRCRAFT MAINTENANCE (KJVL) REPAIR TICKET # 3147<br>RG-25XC CONCORD BATTERY                                                                                                          |
|                      |                    |                                                                                                                                                                                                                            |
|                      |                    |                                                                                                                                                                                                                            |
|                      |                    |                                                                                                                                                                                                                            |
|                      |                    |                                                                                                                                                                                                                            |
|                      |                    |                                                                                                                                                                                                                            |

| DATE<br>20 <u>15</u> | <b>PLANE SAFE</b><br>Aircraft Maintenance, Inc.<br>██████████<br>Waukesha, WI 53188                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>AIRFRAME ENTRY</b><br>May 21, 2015<br>N211CJ SAFARI s/n DK 1-1 HOBBS: 234.2 TTAF: 234.2 | TACH<br>TIME |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------|
|                      | 1. Completed Condition Inspection IAW FAR43 app D, using Safari Helicopter Annual Condition Inspection form as a guide.                                                                                                                                                                                                                                                                                                                                                                              |                                                                                            |              |
|                      | 2. Repaired engine basket by removing tubes rubbing cyclic control rods and welding in new tubes and gussets. Welding performed by K&K Precision welding in East Troy, WI. Changes made to upper basket were made as per new Safari drawings. Painted tubing and installed controls. Operational checks are good.                                                                                                                                                                                    |                                                                                            |              |
|                      | 3. Removed center console and removed all switches. Standardized all wiring and ran in looms. Removed excess wiring. Removed soldered joints and installed all new terminal ends. Repaired wiring behind instrument panel and made repairs to lighting wiring. Installed Nu-Lite lighting on four instrument on instrument panel. Installed grounding terminal block for better switch and component grounding. Installed all switches and performed functional checks. All checks are satisfactory. |                                                                                            |              |
|                      | 4. Installed new master switch and re-wired for proper operation of battery master solenoid. Solenoid installed in correct position and operational check is good. Installed new start relay. Checked operation, all checks are good.                                                                                                                                                                                                                                                                |                                                                                            |              |
|                      | 5. Installed new mixture/fuel cutoff control. Installed p/n 86250-RR096. Installed rod end and rigged.                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |              |
|                      | 6. Repaired crack in tail fin support by welding. Welding completed by K&K Welding in East Troy, WI. Cleaned support and treated with CorrosionX before painting. Installed, set and safited tail fin.                                                                                                                                                                                                                                                                                               |                                                                                            |              |
|                      | 7. Installed fuel low level warning on left fuel tank sending unit. Installed amber warning lamp below the left fuel gauge on center console. Adjusted warning lamp to actuate at 1/4 tank on left fuel tank only.                                                                                                                                                                                                                                                                                   |                                                                                            |              |
|                      | 8. Removed Safari Governor and sent to Safari for repair due to new ignition system being installed. Installed governor after repair. Installed RPM sensor onto left magneto. Operational check is good.                                                                                                                                                                                                                                                                                             |                                                                                            |              |
|                      | 9. Removed LASAR ignition system and installed new Slick magnetos utilizing the Champion SlickStart system. SlickStart installed IAW Champion Service Letter, SL2-96 and STC SA593CH. SlickStart installed in cabin above governor and wired as per instructions. Operational check is good.                                                                                                                                                                                                         |                                                                                            |              |
|                      | 10. Relocate ballast weight from right skid to inside of cabin using new mount from Safari. Installed mount on frame forward of right passenger. Drilled to secure weight when installed.                                                                                                                                                                                                                                                                                                            |                                                                                            |              |
|                      | 11. Replaced landing light with new GE4509 100w bulb due to old lamp requiring 250w of power that exceeded circuit capacity. Operational check is good.                                                                                                                                                                                                                                                                                                                                              |                                                                                            |              |
|                      | 12. Right nav light inop. Upon removal, discovered lens cracked and broken. Installed new lamp, p/n W1290-14 and new lens, p/n W1284-G. Op check is good.                                                                                                                                                                                                                                                                                                                                            |                                                                                            |              |
|                      | 13. Replaced induction air filter with new, p/n BA6205                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                            |              |

CONTINUED NEXT PAGE

DATE  
20 15

14. Changed main rotor gearbox oil and tail rotor gearbox oil with Spirax S6 80W140 oil. Installed chip detector on tail rotor gearbox. Repaired push to test indicator for main gear box chip detector.
15. Installed new fuel drain valves on left and right fuel tanks with p/n CCA1550 drain valves. Leak checks good.
16. Repaired collective friction lock for proper operation. Op check is good.
17. Repaired cooling shroud on engine left side. Installed cooling shroud and installed previously left out fasteners. Shroud secure and clear of cooling fan.
18. Manufactured and installed new grounding straps from battery to airframe. Removed ground from seatbelt attach point and secured to frame. Ran second cable from first grounding point to secondary point on frame using APU mount hardware.

D REMOVALS  
IBERS.

I certify that this aircraft has been inspected in accordance with a CONDITIONAL inspection on May 21<sup>st</sup>, 2015 as per FAR43 app D, and is found airworthy and approved for return to service. Pertinent details are on file at the above facility, inv. #9071.

Signature: \_\_\_\_\_

[illegible]

DATE  
20 16

Safari Helicopter Inc. 3553A Industrial Park Drive Marianna, Florida 32446 USA

N211CJ

T T Airframe

294.9

Tach Reading

294.9

Date

November 29, 2016

Work performed:

WELDED CRACK IN MUFFLER, REPAIRED CABIN HEAT CONTROL CABLE FROM CHAFFING OIL PSI RELIEF TUBE. FUEL LINE CHAFFING STRUCTURE AT BOTTOM LEFT NEAR FUSELAGE AND OIL RETURN FROM CYLINDER #1&3 COVERS, TAIL NAV LIGHT MOUNT HARDWARE CORRODED - TREATED, REPAIRED MAIN ROTOR BLADE ON LEADING EDGE, REPLACED MISSING LEADING EDGE TAPE, WELDED EXHAUST HEATER COLLECTOR BRACKET BROKEN ON #1 EXHAUST TUBE, CLEANED TUBE FOR AIRSPEED INDICATOR, COMPRESSION #1 - 80/75, #2 - 80/72, #3 - 80/78, #4 - 80/72, CHANGED ENGINE OIL AND FILTER AND REPLACED WITH AA48110-2 OIL FILTER AND 8 QTS 15W-50 AEROSHELL OIL

Bobby J. Baker A & [REDACTED]

Date November 29, 2016

Safari Helicopter Inc. 3553A Industrial Park Drive Marianna, Florida 32446 USA

N211CJ

T T Airframe

293.9

Tach Reading

293.9

Date

November 1, 2016

Work performed:

REPLACED BULL GEAR, PINION, BEARINGS AND SEALS IN MAIN TRANSMISSION

Bobby J. Baker A & P [REDACTED]

Date November 1, 2016

