<table>
<thead>
<tr>
<th>Date</th>
<th>Action</th>
<th>Location</th>
<th>Work Order</th>
<th>Name</th>
<th>Signed</th>
<th>Certification</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-8-11</td>
<td>Replaced FLT battery, complied with 91-2076</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Next replacement due Oct 2013</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11-17-11</td>
<td>1715.2 Removed right step, Adjusted weight and balance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11-17-11</td>
<td>Replaced LH wheel cylinder o-rings. Bleed LH and RH brake systems.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Date: 11/22/2011
Tach/Hobbs: 1717.0

### Reinforced and secured RH cabin assist step attachment. Structure.

**Work Order #77159**

**Name:** Paul M. Kaune

**Signed:** [Signature]

**Certified Repair Station # YQYR343B**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Description</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>12-8-11</td>
<td>1731.9</td>
<td>Replaced landing light bulb.</td>
<td>Tiffany Brooke AP3527490</td>
</tr>
<tr>
<td>12-10-11</td>
<td>1736.3</td>
<td>Replaced left main tire and tube.</td>
<td>Tiffany Brooke AP3527490</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Greased left wheel bearings.</td>
<td></td>
</tr>
</tbody>
</table>

Date: 1/17/2012
Tach/Hobbs: 1749.9

### Bleed L&R brake systems. Refilled reservoir.

**Work Order #77266**

**Name:** Paul M. Kaune

**Signed:** [Signature]

**Certified Repair Station # YQYR343B**

Date: 1/25/2012
Tach/Hobbs: 1756.4

### Bled Right and Left Brakes

2: Replaced Right Main Tire with recaped Aero Wheel and Brake WO# 157718 and greased bearings

**Work Order #77275**

**Name:** David M. Fanningham

**Signed:** [Signature]

**Certified Repair Station # YQYR343B**
1. Installed serviceable brake master cylinder in co-pilot's left brake pedal position after internal components in repair kit # JPXMC0317KR were installed. Bled L&R brake systems.
Work Order #77309
Name: Paul M. Kaune
Signed: [Signature]
Certified Repair Station # YQYR343B

Date: 3/1/2012
Tach/Hobbs: 1774.1

1. Installed new parking brake valve in instrument panel. Bled brake system.
Work Order #77353
Name: Paul M. Kaune
Signed: [Signature]
Certified Repair Station # YQYR343B

Date: 3/1/2012
Tach/Hobbs: 1774.1

C/W AD 2001-23-04 (Rudder hinge) Inspected lower rudder hinge area for cracks. No defects noted.
Work Order #77353
Name: Eric W. Seier
Signed: [Signature]
Certified Repair Station # YQYR343B

3-8-2012 1780: Replaced left main tire and repacked wheel bearings. [Signature]
Date: 3/15/2012  
Tach/Hobbs: 1785.6  
Total Time: 4578.3

1. Inspected aircraft per FAR 43 Appendix D checklist.  
2. Secured RH main landing gear retraction bearing.  
3. Cleaned and flushed battery box.  
4. Replaced fuel strainer bowl o-rings.  
6. C/W Far 91.207(d) Inspected Elt for operation

I certify this aircraft has been inspected in accordance with an 100 hour inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order # 77378  
Name: Paul M. Kaune

Signed: Paul M. Kaune  
Certified Repair Station # YQYR343B

---

April 2, 2012 Hobbs: 1810.5

Removed vac pump SN: N 49780.  
Installed new vac pump PN: AA 3215 CC, SN: I 3756-03.  
Engines run completed, no defects noted.

Jana West  
2726261 AP

---

Date: 4/4/2012  
Tach/Hobbs: 1814.4

1. Verified fuel indicators for accuracy by transferring fuel between L&R wing tanks.

Work Order #77427  
Name: Paul M. Kaune

Signed: Paul M. Kaune  
Certified Repair Station # YQYR343B
<table>
<thead>
<tr>
<th>Date</th>
<th>Hobbs</th>
<th>Description</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-5-12</td>
<td>1816.2</td>
<td>Replaced right step with serviceable step</td>
<td>James E. Jenkins A3P15266</td>
</tr>
<tr>
<td>4-10-12</td>
<td>1813.5</td>
<td>Replaced left main tire</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Repacked left wheel bearings</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Replacement left and right brake pads</td>
<td>Tiffany Brown AP527990</td>
</tr>
<tr>
<td>4-19-12</td>
<td>1825.4</td>
<td>Replaced right main tire</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Repacked right wheel bearings</td>
<td></td>
</tr>
<tr>
<td>5-1-12</td>
<td>1833.4</td>
<td>Replaced right side visor</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Repacked left aileron inboard static wire</td>
<td></td>
</tr>
<tr>
<td>5-2-12</td>
<td>1833.4</td>
<td>Replaced landing light</td>
<td>Tiffany Brown AP527990</td>
</tr>
<tr>
<td>Dates</td>
<td>Duration of flight since last maintenance operation</td>
<td>Heures totales</td>
<td>Heures depuis entretien majeur</td>
</tr>
<tr>
<td>---------</td>
<td>----------------------------------------------------</td>
<td>----------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>5-4-12</td>
<td>Replacement of brake light bulb</td>
<td>1837.4</td>
<td></td>
</tr>
</tbody>
</table>

Date: 5/14/2012  
Tach/Hobbs: 1850.7  
Blue Skies over Dubuque Inc.  
Airplane Maintenance  
10800 Airport Road  
Dubuque, Iowa 52003  
Repair station #YQYR343B  
1-563-582-1293  
1. Installed serviceable electric fuel pump, p/n-B8120-H, s/n- 026010, operational & leak check good.  
2. Installed new nose gear up-stop bumper.  
3. Replaced 2 missing cowling screws.  
Work Order #77504  
Name: Paul M. Kaune  
Signed: [Signature]  
Certified Repair Station # YQYR343B  

Date: 6/4/2012  
Tach/Hobbs: 1875.3  
Blue Skies over Dubuque Inc.  
Airplane Maintenance  
10800 Airport Road  
Dubuque, Iowa 52003  
Repair station #YQYR343B  
1-563-582-1293  
1. Replaced Left Main Strut assy. with customer owned Strut assy.  
2. Strut seals replaced at this repair station under WO: 77338  
3. Serviced with nitrogen.  
Work Order #77549  
Name: David M. Farningham  
Signed: [Signature]  
Certified Repair Station # YQYR343B
Date: 6/5/2012
Tach/Hobbs: 1877.4

Blue Skies over Dubuque Inc.
Airplane Maintenance
10800 Airport Road
Dubuque, Iowa 52003
Repair station #YQYR343B
I-563-582-1293

1. Secured Left Main Gear indicator light wire terminal end. Serviced Left main strut with Hydraulic fluid and nitrogen. Serviced Right main strut with nitrogen.
2. Jacked A/C Performed normal cycle of landing gear. Operational tested good

Work Order #77588
Name: David M. Farningham

Signed: [Signature]
Certified Repair Station # YQYR343B

6.7-12 1877.4 Replaced left brake pads.

Date: 6/19/2012
Tach/Hobbs: 1884.9
Total Time: 4677.6

Blue Skies over Dubuque Inc.
Airplane Maintenance
10800 Airport Road
Dubuque, IA 52003
Repair station #YQYR343B
I-563-582-1293

1. Inspected aircraft per FAR Part 43 Appendix D checklist.
2. Replaced LH tire with overhauled unit from Aero Wheel and Brake CRS#US5R971J, See W/O #1476939. Replaced nose wheel locking washer. Balanced nose wheel assy. Greased all wheel bearings.
3. Replaced nose gear actuator with customer supplied unit, new seals installed See W/O #77338.
4. Replaced elevator trim actuator lever assembly bolts and bushings.
5. Replaced 1ea top cowl receptacle.
6. Secured alternate air bolt and bracket.
7. Replaced de-ice fluid o-ring.
8. Repaired cylinder #3 and 4 Tanis heat wiring.
9. Replaced master battery switch.
10. Replaced vacuum regulator filter.
11. Replaced fuel strainer bowl o-rings.
12. C/W AD2003-04-03 Inspected aileron gimbals joint for security.
13. Painted prop face.
14. C/W FAR 91.207(d) Inspect ELT for operation.

I certify this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order # 77580
Name: Paul M. Kaune

Signed: [Signature]
Certified Repair Station # YQYR343B
<table>
<thead>
<tr>
<th>Dates</th>
<th>Temps de vol depuis la précédente opération d'entretien</th>
<th>Heures totales</th>
<th>Heures depuis entretien majeur</th>
<th>Nombre d'atterrissages</th>
<th>Motif de l'entretien Maintenance motive</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-21-12</td>
<td>1884.9 (hours since last maintenance)</td>
<td>Replaced left brake disc.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Date:** 6/25/2012  
**Tach/Hobbs:** 1885.4

![Blue Skies over Dubuque Inc. Airplane Maintenance](image)

10800 Airport Road  
Dubuque, Iowa 52003  
Repair station #YQYR343B  
1-563-582-1293

Replaced Left main gear strut assy. with strut previously repaired under W/O #77593. Serviced strut with hydraulic fluid and nitrogen.  
Work Order #77597  
Name: Paul M. Kaune

Signed: [Signature]
Certified Repair Station # YQYR343B

---

**Date:** 6/27/2012  
**Tach/Hobbs:** 1887.1

![Blue Skies over Dubuque Inc. Airplane Maintenance](image)

10800 Airport Road  
Dubuque, Iowa 52003  
Repair station #YQYR343B  
1-563-582-1293

1. Installed serviceable hydraulic pressure hose on left gear retraction actuator and serviceable down lock indicator switch on right gear. Performed gear retraction operational tests.  
Work Order #77605  
Name: Paul M. Kaune

Signed: [Signature]
Certified Repair Station # YQYR343B
<table>
<thead>
<tr>
<th>Date</th>
<th>Aircraft Hours</th>
<th>Maintenance Release</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-26-2012</td>
<td>1898.6</td>
<td>Removed right front seat for upholstery repair. Installed right front seat from N13066.</td>
</tr>
</tbody>
</table>

Date: 7-26-2012

I certify that the altimeter and static system tests required by 14 CFR 91.411 and transponder tests, including data correspondence, required by 91.413, have been performed and found to comply with 14 CFR part 43, appendix E and F.

LH Altimeter Model: KEA 180A

S/N: 29957

RH Altimeter Model: 5934 RD-3

S/N: 395335

Encoder/A.D.C. Model: -

S/N: -

The altimeter was tested to 20,000 feet on 7-26-2012.
The transponder was tested on 7-26-2012.
Encoder data correspondence was tested to 20,000 feet on 7-26-2012.
Static system leak tested on 7-26-2012.

Signed: Paul M. Houne

Work Order #: 77651

Blue Skies Over Dubuque, Inc.

FAA Repair Station #YQYR343B
### Test: Bendix King KEA 130 A

<table>
<thead>
<tr>
<th>Test</th>
<th>Altitude in Feet</th>
<th>Reading</th>
<th>Tolerance (feet)</th>
<th>Reading</th>
<th>Tolerance (feet)</th>
</tr>
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<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3000</td>
<td>+50</td>
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<td></td>
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</tr>
<tr>
<td>0</td>
<td></td>
<td>20</td>
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<td></td>
</tr>
<tr>
<td>1000</td>
<td>-100</td>
<td>20</td>
<td></td>
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<td>1500</td>
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<td>-100</td>
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<tr>
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<tr>
<td>4500</td>
<td>-100</td>
<td>20</td>
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<td></td>
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<tr>
<td>5000</td>
<td>-100</td>
<td>20</td>
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</table>

### Calibration:

- Pressure Setting in in. Hg: 17
- Reading Difference (feet): 572
- Pressure Setting in in. Hg: 14
- Reading Difference (feet): 53
- Pressure Setting in in. Hg: 18
- Reading Difference (feet): 51
- Pressure Setting in in. Hg: 20
- Reading Difference (feet): 49
- Pressure Setting in in. Hg: 25
- Reading Difference (feet): 47
- Pressure Setting in in. Hg: 30
- Reading Difference (feet): 45
- Pressure Setting in in. Hg: 35
- Reading Difference (feet): 43
- Pressure Setting in in. Hg: 40
- Reading Difference (feet): 41
- Pressure Setting in in. Hg: 45
- Reading Difference (feet): 39
- Pressure Setting in in. Hg: 50
- Reading Difference (feet): 37
- Pressure Setting in in. Hg: 55
- Reading Difference (feet): 35
- Pressure Setting in in. Hg: 60
- Reading Difference (feet): 33
- Pressure Setting in in. Hg: 65
- Reading Difference (feet): 31
- Pressure Setting in in. Hg: 70
- Reading Difference (feet): 29
- Pressure Setting in in. Hg: 75
- Reading Difference (feet): 27
- Pressure Setting in in. Hg: 80
- Reading Difference (feet): 25
- Pressure Setting in in. Hg: 85
- Reading Difference (feet): 23
- Pressure Setting in in. Hg: 90
- Reading Difference (feet): 21
- Pressure Setting in in. Hg: 95
- Reading Difference (feet): 19
- Pressure Setting in in. Hg: 100
- Reading Difference (feet): 17
- Pressure Setting in in. Hg: 105
- Reading Difference (feet): 15
- Pressure Setting in in. Hg: 110
- Reading Difference (feet): 13
- Pressure Setting in in. Hg: 115
- Reading Difference (feet): 11
- Pressure Setting in in. Hg: 120
- Reading Difference (feet): 9
- Pressure Setting in in. Hg: 125
- Reading Difference (feet): 7
- Pressure Setting in in. Hg: 130
- Reading Difference (feet): 5
- Pressure Setting in in. Hg: 135
- Reading Difference (feet): 3
- Pressure Setting in in. Hg: 140
- Reading Difference (feet): 1
- Pressure Setting in in. Hg: 145
- Reading Difference (feet): 0
- Pressure Setting in in. Hg: 150
- Reading Difference (feet): 0
- Pressure Setting in in. Hg: 155
- Reading Difference (feet): 0
- Pressure Setting in in. Hg: 160
- Reading Difference (feet): 0
- Pressure Setting in in. Hg: 165
- Reading Difference (feet): 0
- Pressure Setting in in. Hg: 170
- Reading Difference (feet): 0
- Pressure Setting in in. Hg: 175
- Reading Difference (feet): 0

### End of Page
1. Installed new hose on left gear hydraulic retraction actuator. Performed gear retraction cycle tests.
   Serviced reservoir with fluid.
   Work Order #77593
   Name: Paul M. Kaune

<table>
<thead>
<tr>
<th>Date</th>
<th>Maint Hobbs</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-17-12</td>
<td>1910.4</td>
<td>Removed right front seat to go back into N1866K.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Installed serviceable right front seat from N1909K.</td>
</tr>
<tr>
<td>9-21-12</td>
<td>1940.3</td>
<td>Replaced left and right brake pads.</td>
</tr>
</tbody>
</table>

Date: 10/4/2012
Tach/Hobbs: 1955.0

1. Replaced right gear retraction actuator with unit previously repaired by Blue Skies W/O #77593.
   Serviced hydraulic reservoir with fluid. Performed gear retraction cycle tests.
   Work Order #77802
   Name: Paul M. Kaune

<table>
<thead>
<tr>
<th>Date</th>
<th>Maint Hobbs</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-13-12</td>
<td>1958.2</td>
<td>Replaced left main tire.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Replaced nose wheel tire.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Repacked left and nose wheel bearings.</td>
</tr>
</tbody>
</table>
**SERVICE DE L’AÉRONEF - AIRCRAFT RECORD**

<table>
<thead>
<tr>
<th>Date: 11/17/2012</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Tach/Hobbs: 1984.1</td>
<td>Blue Skies Repair Station # YQYR343B</td>
<td>10800 Airport Road</td>
</tr>
<tr>
<td>Total Time: 4776.8</td>
<td></td>
<td>Dubuque, IA 52003</td>
</tr>
<tr>
<td></td>
<td>Blue Skies Over Dubuque Inc.</td>
<td>563-582-1293</td>
</tr>
<tr>
<td></td>
<td>Airplane Maintenance</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date: 11-10-12</th>
<th>1975.6</th>
<th>Replaced Left and Right brake pads,</th>
</tr>
</thead>
</table>

**Cachet – Signature réparateur**

**Approbation pour remise en service**

**Stamp and signature of overhauler**

**Maintenance release**

---

1. Inspected aircraft per FAR Part 43 appendix D checklist.
2. Replaced O-rings in L&R brake wheel cylinders, bled brake systems.  
3. Greased all wheel bearings, balanced nose wheel assy.  
4. Replaced right tire, Aero Wheel WO# 190421.  
5. Replaced nose gear strut attach bolts & bushings.  
6. Replaced left gear retraction swivel attach bolts.  
7. Replaced loose rivets on right Inbd. Flap hinge skin.  
8. Replaced loose rivets on lower engine mount attach skin doublers.  
9. Resealed suspected leak area inside left wing fuel bay. Resealed lower access panels. Verified accuracy of left fuel indicator at empty & operation of “LOW FUEL” warning system.  
12. Replaced O-rings on fuel strainer bowl.  
15. Charged up battery

I certify this aircraft has been inspected in accordance with an 100 Hour inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

**Work Order # 77885**

**Name:** Paul M. Kaune

**Signed:** 

Certified Repair Station # YQYR343B

---

**Date: 11-19-12** 1984.1  
Removed GNS-430 sn: 96303107.  
Installed GNS-430 sn: 971109400 from N3990A
WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE: N1887S
R&R repaired GNS 430, see FAA Form 8130 for details. Removed autopilot computer for repair, revised Weight & Balance information.

-----------------------------------------------------END-----------------------------------------------------

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

DATE: November 20, 2012  HOBB: 1984.7  WO#: 11733  SIGNED:

3606 Corben Ct. - Madison, WI 53704 - CSR No. DBKR124D
(608) 268-5006 (608) 268-5038 FAX

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-27-12</td>
<td>Re-installed original GNS 430.</td>
</tr>
<tr>
<td>11-28-12</td>
<td>• Replaced Right brake disc</td>
</tr>
<tr>
<td></td>
<td>• Replaced Right brake pads</td>
</tr>
<tr>
<td></td>
<td>• Repacked Right wheel bearings</td>
</tr>
<tr>
<td></td>
<td>• Bleed and serviced Left and Right Brakes</td>
</tr>
<tr>
<td></td>
<td>Tiffany Bien  AP3527990</td>
</tr>
</tbody>
</table>

WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE: N1887S
Installed repaired autopilot computer P/N 065-0042-15 S/N 1862. Removed HSI P/N 066-3046-07 S/N 87727 and installed serviceable unit S/N 88050 removed from N1866S.
Flight check good.

-----------------------------------------------------END-----------------------------------------------------

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

DATE: 1/4/13  HOBB: 2018.3  WO#: AV12-11848  SIGNED:

3606 Corben Ct. - Madison, WI 53704 - CSR No. DBKR124D
(608) 268-5006 (608) 268-5038 FAX
<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION</th>
<th>PART NO.</th>
<th>QTY.</th>
<th>SERIAL</th>
<th>STATUS</th>
<th>WORK ORDER, CONTRACT, OR INVOICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>GNS 430</td>
<td>01-00280-10</td>
<td>T.B.D.</td>
<td>01</td>
<td>97119400</td>
<td>Repaired</td>
</tr>
</tbody>
</table>

### REMARKS

- Limited life parts must normally be accompanied by maintenance history including total time/total cycles/time since new.
- New Equipment
- New Overhaul
- Certifies that the piece (or newly overhauled part(s) identified above, except as otherwise specified in block 13, if any) manufactured in accordance with FAA approved design date and airworthiness regulations.
- NOTE: In case of parts to be exported, the special requirements of the importing country have been met.

### SIGNATURE

- Signature: [Signature]
- FAA Authorization No.: [Signature]
- Authorization Signature: [Signature]
- Certificate Number: DBKR124D
- Name (typed or printed): [Signature]
- Date: 11/20/2012

### AIRWORTHINESS APPROVAL TAG

Airworthiness Approval Tag: DBKR124D

Installer Responsible: [Signature]
<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Part Number</th>
<th>Eligibility</th>
<th>Quantity</th>
<th>Serial/Batch Number</th>
<th>Status/Work</th>
</tr>
</thead>
<tbody>
<tr>
<td>001</td>
<td>KC 192</td>
<td>065-0042-15</td>
<td>N/A</td>
<td>1</td>
<td>1862</td>
<td>Repaired</td>
</tr>
</tbody>
</table>

13. Remarks: Honeywell Catalog Part Number: 065-00042-0015

See accompanying work order for additional work performed

It is the installer's responsibility to align unit upon installation per the appropriate installation manual.

- Repaired per KC 190/1/2 CMM 006-05590-0000 Rev 0: Jun/1983
- A.T.E. Tested per 924-01250-0001 Rev 09: 04/12/00

Certifies that the work specified in Blocks 12/13 was carried out in accordance with EASA part 145, and with respect to that work, the component is considered ready for release to service under EASA Part 145 Approval Number EASA.145.144.

Reparman Certificate Number: 3542957

14. Certifies the items identified above were manufactured in conformity to:
   - Approved design data and are in a condition for safe operation
   - Non-approved design data specified in Block 13

15. Authorized Signature: [Signature]
16. Approval/Authorization No: [Number]
17. Name (Typed or Printed): Darvin F. Soldt
18. Date (m d y): Dec 19 2012

19. X 14 CFR 43.8 Return to Service X Other regulation specified in Block 13

20. Authorized Signature: [Signature]
21. Approval/Certificate No: PR2R093L
22. Name (Typed or Printed): Darvin F. Soldt
23. Date (m d y): Dec 19 2012

User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs works in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1 it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

* Installer must cross-check eligibility with applicable technical data.
<table>
<thead>
<tr>
<th>Date</th>
<th>Comments</th>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-9-13</td>
<td>1. Replaced left brake pads</td>
<td>Tiffany Brenne</td>
</tr>
<tr>
<td></td>
<td>2. Replaced left main tire</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3. Repacked left wheel bearings</td>
<td></td>
</tr>
<tr>
<td>2-6-13</td>
<td>1. Replaced taxi light bulb</td>
<td>Tiffany Brenne</td>
</tr>
<tr>
<td>2-11-13</td>
<td>2. Removed prop de-ice fluid tank, removed pump from tank.</td>
<td>Tiffany Brenne</td>
</tr>
<tr>
<td></td>
<td>Cleaned out tank. Re-installed pump with new gasket.</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Re-installed tank and serviced with new TKS fluid.</td>
<td>Tiffany Brenne</td>
</tr>
</tbody>
</table>
AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

HARTZELL ENGINE TECHNOLOGIES, 2900 SELMA HWY., MONTGOMERY, AL. 36108 (1HZR769B)

1. Approving National Aviation Authority/Country:
   FAA/UNITED STATES

2. Item:
   ALTERNATOR - OVERHAUL

3. Form Tracking Number:
   H-M073351

4. Organization Name and Address:
   HARTZELL ENGINE TECHNOLOGIES, 2900 SELMA HWY., MONTGOMERY, AL. 36108 (1HZR769B)

5. Work Order/Contract/Invoice Number:
   W/O: M986810

   ALTERNATOR - OVERHAUL: ALU-8521 MOD NO: N/A 1: H-M073351 OVERHAULED

13. Remarks:
   COPY OF WORK ORDER AVAILABLE ON REQUEST FROM HARTZELL ENGINE TECHNOLOGIES
   CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12/13 WAS CARRIED OUT IN ACCORDANCE
   WITH EASA PART 145 AND WITH RESPECT TO THAT WORK THE AIRCRAFT COMPONENT IS
   CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA APPROVAL CERTIFICATE NUMBER
   EASA.145.4418 AND BY THE FAA AIR AGENCY CERTIFICATE NUMBER 1HZR769B.
   APPROVED FOR EXPORT
   THE ORIG. EQUIP. MFG. DATA APPEARS ON THE DATA PLATE IN THE LINES IDENTIFIED AS MOD/NO & ORIG. MFG.
   COMPLIES WITH PPS-9001 LATEST REVISION.
   OVERHAULED PER HARTZELL ENGINE TECHNOLOGIES OE-A2 MANUAL DATED 10/1/10.
   THE FOLLOWING SERVICE BULLETINS & AD NOTES HAVE BEEN COMPLIED WITH ON ITEM 1:

14. Certified the items identified above were manufactured in conformity to:
   ☐ Approved design data and are in a condition for safe operation.
   ☐ Non-approved design data specified in Block 13.

15. Authorized Signature:

16. Approval/Authorization No.:

17. Name (Typed or Printed):

18. Date (m/d/y):

19. ☑ 14 CFR 43.9 Return to Service ☑ Other regulation specified in Block 13
   Certifies that unless otherwise specified in Block 13, the work identified in Block 12
   and described in Block 13 was accomplished in accordance with Title 14, Code of
   Federal Regulations, part 43 and in respect to that work, the items are approved for
   return to service.

20. Authorized Signature:

21. Approval/Certificate No.:
   1HZR769B

22. Name (Typed or Printed):
   STACY TOLLIVER

23. Date (m/d/y):
   AUG 01 2012

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (6-01) *Installer must cross-check eligibility with applicable technical data.

HETCODE: ALU-8521R
Date: 3/25/2013  
Tach/Hobbs: 2070.4

Blue Skies over Dubuque Inc.  
Airplane Maintenance

10800 Airport Road  
Dubuque, Iowa 52003  
Repair station # YQYR343B  
1-563-582-1293

Replaced electric fuel pump with overhauled unit, P/N B8120-H S/N 95789, from The Aviation Group Inc.,  
CRS # VGOR728L. See work order #40727.  
Work Order #78110  
Name: Eric W. Selzer

Signed: [Signature]  
Certified Repair Station # YQYR343B

4/1/2013  
Main hobbs  
2080.6  
Replaced strut with left corner of stabilizer [Signature]

Date: 4/5/2013  
Tach/Hobbs: 2083.6  
Total Time: 4876.3

1. Inspected aircraft per FAR Part 43 appendix D checklist.  
2. Replaced right tire, Aero Wheel WO# 198710.  
3. Greased all wheel bearings.  
4. Replaced left brake disc.  
5. Replaced all L&R brake linings. Replaced O-rings in left brake wheel cylinder. Bleed L&R brake systems.  
6. Secured right flap inboard hinge bolt.  
7. Replaced avionics fan cooling hose.  
8. Replaced oil door hinge/pin assy. on top cowling.  
9. Reinstalled air filter box on engine after crack repair by K&K Precision Welding RS# 3XXKR435L, WO# 4743.  
10. Opened up left wing fuel access panels.  
12. Charged up battery.  
13. Replaced O-rings on fuel strainer bowl.  

[Signature]  
Entered in Error  
[Signature]

I certify this aircraft has been inspected in accordance with an annual inspection and was determined to be in airworthy condition. See AD List in folder for compliance.  
Work Order # 78119  
Name: Paul M. Kaune

Signed: [Signature]  
Certified Repair Station # YQYR343B
**AUTHORIZED RELEASE CERTIFICATE**

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

FAA/UNITED STATES

4. Organization Name and Address:
THE AVIATION GROUP, INC. 211 PROSPECT PARK, PEACHTREE CITY, GA 30269 (VGOR728L)


<p>| | | | | | |</p>
<table>
<thead>
<tr>
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<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PUMP</td>
<td>B8120-H</td>
<td>N/A</td>
<td>1</td>
<td>95789</td>
</tr>
</tbody>
</table>

13. Remarks: THE ABOVE APPLIANCE WAS OVERHAULED AND, INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND IS APPROVED FOR RETURN TO SERVICE. Manual: JM1000 Revision#:B Revision Date: 03/2012 (Full details held on W.O. 40727.)

*INSTALLER MUST CROSS CHECK ELIGIBILITY WITH APPLICABLE TECHNICAL DATA.*

CERTIFIES THAT THE WORK SPECIFIED IN BLOCK 12/13 WAS CARRIED OUT IN ACCORDANCE WITH EASA PART-145, AND IN RESPECT TO THAT WORK THE COMPONENT IS CONSIDERED READY FOR RELEASE TO SERVICE UNDER EASA PART-145 APPROVAL NUMBER: EASA.145.4208.

LIFE LIMIT PARTS MUST BE ACCOMPANIED BY MAINTENANCE HISTORY INCLUDING TOTAL TIME/TOTAL CYCLES:

14. Certifies the items identified above were manufactured in conformity to:

- [ ] Approved design data and are in a condition for safe operation.
- [x] Non-approved design data specified in Block 13.

19. ☑ 14 CFR 43.9 Return to Service ☑ Other regulation specified in Block 13

20. Authorized Signature:

Richard H. Hewitt

23. Date (mm/dd/yyyy):

MAR/22/2013

21. Approval/Certificate No.:

VGOR728L

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

*Installer must cross-check eligibility with applicable technical data.*

NSN: 0052-00-012-9005
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>11-12-13</td>
<td>20:04</td>
<td>Replaced map light switch, Right pks.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Replaced map light bulbs, Left and Right pks.</td>
</tr>
<tr>
<td>5-31-13</td>
<td>21:36</td>
<td>Replaced Left and Right brake pks.</td>
</tr>
<tr>
<td>6-26-13</td>
<td>21:47</td>
<td>Complied with FAR 91.207 Inspect E/E for operation.</td>
</tr>
<tr>
<td>7-3-13</td>
<td>21:32</td>
<td>Replaced Left main tire.</td>
</tr>
</tbody>
</table>

**WISCONSIN AVIATION FOUR LAKES, INC.**

**DESCRIPTION OF WORK DONE:**

- Repaired solenoid wiring strap in aircraft roll servo harness connector.
- Replaced landing light bulb with new unit.
- Replaced trim switch with new unit.
- Replaced nutplate on copilots side forward access panel.
- Checked VOR, OBS and standby compass calibration. All systems ramp check satisfactory.

**DATE:** 7/17/13  **HOBBS:** 2159  **WO#:** AV13-12339  **SIGNED:**
**REMARKS**

 Removed and replaced capstan. Aligned and adjusted solenoid. Tested unit and found to meet MPS.

Limited life parts must normally be accompanied by maintenance history (i.e., life-time, total fractional cycles/time since new).

**14. Certificate Number:** DBKR1847

**Date:** 09/17/2013

---

**12. STATUS/WORK:** Repair

**10. QTY.:** 1

**9. ELIGIBILITY:** Yes

**8. PART NO.:** 065-0051-06

**7. DESCRIPTION:** K5-178

**6. ITEM/DESCRIPTION:** 01

**5. WORK ORDER, CONTRACT, OR INVOICE NO.:** 12339

**4. ORGANIZATION:** CRS F-DBKR1847

**Wisconsin Aviation Four Lakes, Inc. 3661 Czech Cl, Madison, WI 53704 Phone (608) 268-3096**

**1. UNITED STATES:** N18875

**3. SYSTEM TRACKING REG NO.:** 12339

**2. FAA FORM 8130-3:** AIRWORTHINESS APPROVAL TAG

**US Department of Transportation Federal Aviation Administration**

---

**11. SERIAL/BATCH NO.:** 5672

**13. REMARKS**

- Removed and replaced capstan. Aligned and adjusted solenoid. Tested unit and found to meet MPS.

Limited life parts must normally be accompanied by maintenance history (i.e., life-time, total fractional cycles/time since new).

**15. Signature:** [Signature]

**16. FAA Authorization No.:** [No.]

**19. Authorizing Signature:** [Signature]

**21. Certificate Number:** DBKR1847

**22. Date:** 09/17/2013

---

**17. Name (typed or printed):** [Name]

**18. Date:** [Date]

---

**Airworthiness Approval Tag**

- User/Installer Responsibilities

It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

When the certificated work is in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1, it is essential that the certificated work is in accordance with the national regulations by the user/installer before the aircraft may be flown.

*Optical inspectors must ensure standard with applicable technical data.*
1. Approving National Aviation Authority/Country:
FAA/UNITED STATES

2. AUTHORIZED RELEASE CERTIFICATE
FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
WRK0219465

4. Organization Name and Address:
MidContinent
INSTRUMENTS+AVIONICS
9400 E. 34th Street N.
Wichita, KS 67226-2615
FAA CRS OL2R061L

5. Work Order/Contract/Invoice Number:
WRK0219465

1. DIR GYRO
   060-0015-00
   KG-102A
   N/A
   1
   30309
   OVERHAULED

13. Remarks:
THE WORK ORDER REFERENCED DESCRIBES THE ACTUAL WORK PERFORMED.
ALL WORK WAS PERFORMED REF. MANUAL # 006-15623-0007 7 3/02
Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: EASA 145.4675

14. Certifies the items identified above were manufactured in conformity to:
   [ ] Approved design data and are in condition for safe operation.
   [ ] Non-approved design data specified in Block 13.

15. Authorized Signature:
16. Approval/Authorization No.:

17. Name (Typed or Printed):
18. Date (m/d/y):

19. [ ] 14 CFR 43.9 Return to Service [ ] Other regulation specified in Block 13
Certifies that unless otherwise specified in block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service.

20. Authorized Signature
21. Approval/Certificate No.:
   FAA CRS OL2R061L

22. Name (Typed or Printed):
23. Date (m/d/y):
   NICHOLAS HOWE
   Jul/3/2013

User/Installer Responsibilities
It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness accepts parts/components/assemblies from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the installer/user before the aircraft may be flown.

FAA Form 8130-3 (6-01)
*Installer must cross-check eligibility with applicable technical data.
NSN: 0052-00-012-9005
### WISCONSIN AVIATION FOUR LAKES, INC.

**DESCRIPTION OF WORK DONE:**

Tested manual electric pitch trim wiring, removed pitch trim switch resoldered jumpers and reinstalled switch. Ramp tested per STC manual, Ops check good.--------END--------

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this Agency under the following work number.

**DATE:** July 23, 2013

**HOBBIS:** 12370

**WOG:** AV13-12370

**SIGNED:**

3606 Corben Ct. – Madison, WI 53704 - CSR No. DDKR/240
(608) 268-5006 (608) 268-5038 FAX

<table>
<thead>
<tr>
<th>Date</th>
<th>Hours</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-30-13</td>
<td>2173.8</td>
<td>Replaced right tire and repacked right wheel bearings</td>
</tr>
<tr>
<td>8-8-13</td>
<td>2179.9</td>
<td>Replaced left tire and repacked left wheel bearings</td>
</tr>
</tbody>
</table>
1. Inspected aircraft per FAR Part 43 appendix D checklist.

I certify this aircraft has been inspected in accordance with an 100 Hour inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order # 78364
Name: Paul M. Kaune
Signed: [Signature]
Certified Repair Station # YQYR343B

9-18-13 2199.0 Replaced left and right cabin air vents in dash.

Date: 10/10/2013
Tach/Hobbs: 2214.2

Replacing battery relay with new.
Work Order # 78477
Name: Eric W. Seier
Signed: [Signature]
Certified Repair Station # YQYR343B

10-22-13 2217.5 Replaced left brake linings and O-rings.

10-16-13 2217.5 Removed transponder for repairs. Adjusted weight and balance.

AP3527990
AP3527990

AP3527990
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-26-13</td>
<td>2227.2</td>
<td>Repaired mount bracket for trim switches on top left grip left yoke.</td>
</tr>
<tr>
<td>10-30-13</td>
<td>2225.9</td>
<td>Replaced ELT battery, completed with FAR 91.207(i). Next due: SEP 2015</td>
</tr>
<tr>
<td>11-5-13</td>
<td>2231.2</td>
<td>Replaced oil access door spring.</td>
</tr>
<tr>
<td>11-6-13</td>
<td>2231.2</td>
<td>Replaced right fuel cap lanyard with chain.</td>
</tr>
<tr>
<td>11-6-13</td>
<td>2231.2</td>
<td>Replaced oil access door latch and latch plate.</td>
</tr>
<tr>
<td>12-6-13</td>
<td>2253.2</td>
<td>Replaced right step with new.</td>
</tr>
<tr>
<td>12-12-13</td>
<td>2254.2</td>
<td>Replace right brake linings.</td>
</tr>
<tr>
<td>12-16-13</td>
<td>2257.9</td>
<td>@ Replaced left brake linings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>@ Replaced left tire</td>
</tr>
<tr>
<td></td>
<td></td>
<td>@ Repacked left wheel bearings</td>
</tr>
</tbody>
</table>
Date: 2/1/2014
Tach/Hobbs: 2282.5
Total Time: 507.5

Blue Skies over Dubuque Inc.
Airplane Maintenance
Repair Station # YQYR343B
10800 Airport Road
Dubuque, IA 52003
563-582-1293

Inspected aircraft per FAR Part 43 appendix D checklist.
1. Greased right & nose wheel bearings
2. Replaced leaking O-rings in right brake wheel cylinder & bleed brake system.
3. Serviced main gear struts with hydraulic fluid & nitrogen.
4. Replaced main gear door latch.
5. Replaced L&R fuel cap O-rings.
6. Replaced O-rings on fuel strainer bowl.
7. Replaced missing rivets on L&R flap skins.
8. Charged up battery
9. Adjusted rod end for rudder trim full travel.
10. Replaced vacuum regulator foam filter.

I certify this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order # 78692
Name: Paul M. Kaune

Signed: ____________________________
Certified Repair Station # YQYR343B

Date: 5/6/2014
Tach/Hobbs: 2348.4

Blue Skies over Dubuque Inc.
Airplane Maintenance
10800 Airport Road
Dubuque, Iowa 52003
563-582-1293

1. Defueled left wing tank. Sealed top, aft, center seam area inside tank with CS3201B sealant.
2. Resealed lower access covers with PR1428B sealant.
4. Serviced all 3 gear struts with nitrogen pressure.

Work Order # 78826
Name: Paul M. Kaune

Signed: ____________________________
Certified Repair Station # YQYR343B
Date: 6/13/2014
Tach/Hobbs: 2382.0
Total Time: 5174.7

1. Inspected aircraft per FAR Part 43 appendix D checklist.
2. Replaced left brake disc, linings & wheel cylinder O-rings. Replaced 2 right brake linings. Bled brake system.
3. Serviced main struts with nitrogen pressure. 4.Cleaned fuel strainer bowl & replaced O-rings. 5.Replaced vacuum regulator filter.

I certify this aircraft has been inspected in accordance with an 100 Hour inspection and was determined to be in airworthy condition. See AD List in folder for compliance.

Work Order # 78915
Name: Paul M. Kaune

Signed: Paul M. Kaune
Certified Repair Station # YQYR343B

Date: 6/27/2014
Tach/Hobbs: 2386.1

Replaced starter relay fuse with serviceable spare.
Work Order #78941
Name: Eric W. Seier

Signed: Eric W. Seier
Certified Repair Station # YQYR343B
<table>
<thead>
<tr>
<th>Date</th>
<th>7/21/2014</th>
<th>10800 Airport Road</th>
<th>Dubuque, Iowa 52003</th>
<th>Repair station #YQYR343B</th>
<th>1-563-582-1293</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tach/Hobbs</td>
<td>2408.1</td>
<td>Blue Skies over Dubuque Inc.</td>
<td>Airplane Maintenance</td>
<td></td>
<td></td>
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<tr>
<td></td>
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<td></td>
</tr>
<tr>
<td>Name</td>
<td>David M. Farningham</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signed</td>
<td>David M. Farningham</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certified Repair Station</td>
<td># YQYR343B</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

1. Replaced right main landing gear retraction cylinder with customer supplied serviceable cylinder. Landing gear systemed checked good.

<table>
<thead>
<tr>
<th>Date</th>
<th>8/6/2014</th>
<th>10800 Airport Road</th>
<th>Dubuque, Iowa 52003</th>
<th>Repair station #YQYR343B</th>
<th>1-563-582-1293</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tach/Hobbs</td>
<td>2421.5</td>
<td>Blue Skies over Dubuque Inc.</td>
<td>Airplane Maintenance</td>
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<tr>
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<td></td>
</tr>
<tr>
<td>Name</td>
<td>Paul M. Kaune</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Signed</td>
<td>Paul M. Kaune</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Certified Repair Station</td>
<td># YQYR343B</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

1. Installed serviceable strut on left gear previously repaired under WO# 78516. Serviced with hydraulic fluid & nitrogen pressure.

Work Order #79006

Name: Paul M. Kaune
<table>
<thead>
<tr>
<th>Dates</th>
<th>Temps de vol depuis la précédente opération d'entretien</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Heures totales</td>
</tr>
</tbody>
</table>

Date: **8-5-2014**  
**Aircraft Hours: 2421.5**

I certify that the altimeter and static system tests required by 14 CFR 91.411 and transponder tests, including data correspondence, required by 91.413, have been performed and found to comply with 14 CFR part 43, appendix E and F.

<table>
<thead>
<tr>
<th>LH Altimeter Model</th>
<th>Transponder Model</th>
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</thead>
<tbody>
<tr>
<td>KEA 130A</td>
<td>KT 76A</td>
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<tr>
<td>S/N 29957</td>
<td>S/N 118649</td>
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<table>
<thead>
<tr>
<th>RH Altimeter Model</th>
<th>Transponder Model</th>
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<tbody>
<tr>
<td>5834 PN-3</td>
<td></td>
</tr>
<tr>
<td>S/N 395335</td>
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Encoder/A.D.C. Model  
S/N

The altimeter was tested to **20,000 feet** on **8-5-2014**.
The transponder was tested on **8-5-2014**.
Encoder data correspondence was tested to **20,000 feet** on **8-5-2014**.
Static system leak tested on **8-5-2014**.

Signed: **Pamela M. Kowoon**

Work Order #: **79006**

Blue Skies Over Dubuque, Inc.
FAA Repair Station #YQY343B

**8-8-2014  2421.5**  
Reinstalled front left and right front seats after repair by Goodman Upholstery  
James Fulk  12/30/15 24C
### Test Results

#### Test: Pilot

<table>
<thead>
<tr>
<th>Test</th>
<th>Altitude (ft)</th>
<th>Reading</th>
<th>Tolerance (±/test)</th>
<th>Systematic/Error Tolerances</th>
<th>Reading</th>
<th>Tolerance (ft)</th>
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</thead>
<tbody>
<tr>
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#### Test: Copilot

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<tr>
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<th>Altitude (ft)</th>
<th>Reading</th>
<th>Tolerance (±/test)</th>
<th>Systematic/Error Tolerances</th>
<th>Reading</th>
<th>Tolerance (ft)</th>
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#### Additional Notes:
- "Case Break Test": +3.5, ±40
- "Pressure Difference": +7
- "Altitude Difference": ±727
- "Kolman Window Calibration": 8-5-2014
DESCRIPTION OF WORK DONE:

Removed KG-102A P/N 060-0015-00 S/N 3039 and installed overhauled exchange P/N 060-0015-00 S/N 14014. Ramp check good. Removed KT-76A P/N 066-1062-00 S/N 118644 and installed loaner unit P/N 066-1062-00 S/N 114346. Ramp check good per FAR 43 Appendix F.

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

DATE: 8/12/14 HOBBS: 2422.6 WO#: AV14-13323 SIGNED: ____________________________

3606 Corben Ct. - Madison, WI 53704 - CRS No. DBKR124D
(608) 268-5006 (608) 268-5038 FAX

8-15-14 2433.0 Replaced left and right brake pads. Tiffany Buene AP3527998

Date: 10/9/2014
Tach/Hobbs: 2443.0

Blue Skies over Dubuque Inc.
Airplane Maintenance
10800 Airport Road
Dubuque, Iowa 52003
Repair station #YQYR343B
1-563-582-1293

1. Resealed inside of left wing fuel cell in suspected leak area. Resealed lower access panels. Leak check good.
2. Adjusted flap position indicator to match flap travel at UP, Approach & Down positions.

Work Order #79108
Name: Paul M. Kaune

Signed: ____________________________

Certified Repair Station # YQYR343B

10-15-14 2446.5 Replaced left main tire and repacked left wheel bearings. Tiffany Buene AP3527998
13. REMARKS

Installed new cavity tube.

Limited life parts must normally be accompanied by maintenance history including total time/total cycles/time since new.

19. Return to Service in Accordance with FAR 43.9 c

Certifies that the work specified in block 13 (or attached) above was carried out in accordance with FAA airworthiness regulations and in respect to the work performed the part(s) is (are) approved for return to service.


It is important to understand that the existence of this Document alone does not automatically constitute authority to install the part/component/assembly.

Where the user/installer works in accordance with the national regulations of an Airworthiness Authority different than the Airworthiness Authority of the country specified in block 1 it is essential that the user/installer ensures that his/her Airworthiness Authority accepts parts/components/assemblies from the Airworthiness Authority of the country specified in block 1.

Statements in block 14 and 19 do not constitute installation certification. In all cases aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.

*Optional installer must cross check eligibility with applicable technical data.
1. Approving Civil Aviation Authority/Country:
   FAA/UNITED STATES

2. AUTHORIZED RELEASE CERTIFICATE
   FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

3. Form Tracking Number:
   WRK0238728

4. Organization Name and Address:
   MidContinent
   INSTRUMENTS+AVIONICS
   9400 E. 34th Street N.
   Wichita, KS 67226-2615
   FAA CRS OL2R061L

5. Work Order/Contract/Invoice Number:
   WRK0238728

   1  DIR GYRO 060-0015-00 1 14014 OVERHAULED

   12. Remarks:
   THE WORK ORDER REFERENCED DESCRIBES THE ACTUAL WORK PERFORMED.
   ALL WORK WAS PERFORMED REF. MANUAL # 006-15623-0007 7 3/02
   Certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: EASA 145.4675

   13a. Certifies the items identified above were manufactured in conformity to:
   - [ ] Approved design data and are in condition for safe operation.
   - [ ] Non-approved design data specified in Block 12.

   13b. Authorized Signature:
   13c. Approval/Authorization No.: FAKA CRS OL2R061L

   13d. Name (Typed or Printed):
   13e. Date (dd/mmm/yyyy): 30 Jul 2014

   14a. X 14 CFR 43.9 Return to Service  X Other regulation specified in Block 12

   14b. Authorized Signature:
   14c. Approval/Certificate No.: FAA CRS OL2R061L

   14d. Name (Typed or Printed):
   14e. Date (dd/mmm/yyyy): NICHOLAS HOWE

User/Installer Responsibilities

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article. Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensure that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the installer/user before the aircraft may be flown.
10-23-14 | 2456.8 | Replaced Right new light bulb.

Date: 11/18/2014
Tach/Hobbs: 2468.4

1. Replaced right main tire with overhauled tire from Aero Wheel and Brake Service Corp. Ref. tracking number 240453.
2. Adjusted flap switch for gear warning.

Work Order #79180
Name: David M. Farningham

Signed: [Signature]
Certified Repair Station # YQYR343B

WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE:

N1887S
Cleaned pitch trim servo solenoid. Ramp check good.

The aircraft component identified above was repaired and inspected in accordance with current Federal Aviation Regulations and was found airworthy for return to service. Pertinent details are on file at this agency under the following work number.

DATE: 11/24/14 HOBBS: 2470.2 WOS: AV14-13571 SIGNED: [Signature]

3606 Corben Ct. – Madison, WI 53704 - CRS No. DBKRI24D
(608) 268-5006 (608) 268-5038 FAX

12-2-14 | 2477.2 | Replaced attitude indicator with SN 23282

[Signature]
# AUTHORIZED RELEASE CERTIFICATE

**FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG**

**Organization Name and Address:**

![MidContinent](9400 E. 34th Street N.
Wichita, KS 67226
FAA CRS OL2R061L)

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Part number</th>
<th>Quantity</th>
<th>Serial number</th>
<th>Status/Work</th>
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<td>1</td>
<td>Flight Command Indicator, 8&quot;</td>
<td>060-0017-01 KI-256</td>
<td>1</td>
<td>23282</td>
<td>Overhauled</td>
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</tbody>
</table>

**THE WORK ORDER REFERENCED DESCRIBES THE ACTUAL WORK PERFORMED. ALL WORK WAS PERFORMED REF. MANUAL # 006-05146-0002 / REV 2 TR1 / 9 Jan 2013**

Certifies that the work specified in Block 11/12 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: 145.4675

13a. Certified the items identified above were manufactured in conformity to:

- [ ] Approved design data and are in a condition for safe operation.
- [ ] Non-approved design data specified in Block 10.

13c. Approval/Authorization No.: [ ]

14a. 14 CFR 43.9 Return to service

14b. Authorized signature: [ ]

14c. FAA CRS OL2R061L

14d. Date (dd/mm/yyyy): 3 Nov 2014

**User/Installer Responsibilities**

It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts aircraft engine (s)/propeller(s)/article(s) from the airworthiness authority of the country specified in Block 1.

Statements in Blocks 13a and 14a do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by user/installer before the aircraft may be flown.
Final Work Order
FAA CRS OL2R061L

<table>
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<tr>
<th>NOMENCLATURE</th>
<th>SERIAL NUMBER</th>
<th>LOCATION</th>
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<th>AR NUMBER</th>
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<tr>
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<td>CUSTOMER PO NUMBER</td>
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<td>Charges</td>
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</tbody>
</table>

REASON FOR REMOVAL:

PRELIMINARY INSPECTION:
- [ ] SEALS BROKEN
- [ ] COVER DAMAGED
- [ ] GLASS BROKEN
- [ ] DIAL DISCOLORED
- [ ] NAMEPLATE DAMAGED
- [ ] AIR PORTS DAMAGED
- [ ] CONNECTOR DAMAGED
- [ ] HIDDEN DAMAGE INSPECTION REQUIRED
- PREVIOUS SERVICE BULLETINS:
  1-11

PRELIMINARY INSPECTOR: Kelley Renee Rosebaugh
DATE: October 21, 2014

FAILURE ANALYSIS:

- ROTOR OLD AND NOISY. ALL GIMBAL BEARINGS STIFF AND SLUGGISH. INNER GIMBAL SEAL LEAKING AIR. BAR SLOT OVERSIZED. GYRO TUMBLING.

WORK & INSTRUCTIONS:
- [ ] NEW
- [ ] WARRANTY REPAIR
- [ ] FUNCTIONAL TEST
- [X] OVERHAUL
- [ ] MODIFIED
- [ ] REPAIR
- [ ] WARRANTY OVERHAUL
- [ ] RETURN AS IS
- MOD 11
- INPUT: AIR 14/28V
- LIGHTING: 14/28V

WORK ACCOMPLISHED:
DISASSEMBLED, CLEANED, INSPECTED, REPAIRED AS NECESSARY USING PARTS LISTED. REASSEMBLED AND INSPECTED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS. UNIT IS OVERHAULED.

REF. MANUAL #
006-05146-0002 / REV 2 TR1 / 9 Jan 2013
OUTGOING SERVICE BULLETINS:
1-11

TECHNICIAN: Kha Nguyen
DATE: October 29, 2014

SHOP INSPECTOR: Sergio Garcia
DATE: October 29, 2014

FINAL INSPECTOR: Nicholas Ryan Howe
DATE: November 3, 2014
## Final Work Order
**FAA CRS OL2R061L**

**000245334**

November 5, 2014

<table>
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<th>PART DESCRIPTION</th>
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<td>090-0278-00</td>
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<td>090-0975-01</td>
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<td>SSR1F418ZZRA7</td>
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<td>060-0017-01</td>
<td>Flight Command Indicator, 8° / Flight Command Indicator, 8°</td>
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</tbody>
</table>
Date: 12/5/2014  
Tach/Hobs: 2481.7  
Total Time: 5274.4

1. Inspected aircraft per FAR Part 43 Appendix D checklist.  
2. Replaced up-stop rubber bumper on nose gear.  
3. Replaced O-rings in left brake wheel cylinder, bled brakes.  
4. Replaced vacuum system inlet, inline & regulator filters.  
5. Charged up aircraft battery.  
6. Cleaned fuel strainer bowl screen & replaced O-rings.  
7. C/W FAR 91.207(d) inspected ELT radio.  

I certify this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition. See AD List in folder for compliance.  
Work Order # 79220  
Name: Paul M. Kaune

Signed: [Signature]
Certified Repair Station # YQYR343B

<table>
<thead>
<tr>
<th>Date</th>
<th>Hours</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>12-18-14</td>
<td>2486.8</td>
<td>Replaced left nav light bulb.</td>
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<tr>
<td>2-5-15</td>
<td>2507.2</td>
<td>Replaced Left brake pads.</td>
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<td>3-5-15</td>
<td>2518.7</td>
<td>Replaced left main tire and tube.</td>
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<tr>
<td>4-9-2015</td>
<td>2534.2</td>
<td>Removed graphic engine monitor (GEM) 610 display</td>
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<tr>
<td></td>
<td></td>
<td>and adjusted weight and balance.</td>
</tr>
<tr>
<td>4-22-15</td>
<td>2543.5</td>
<td>Replaced Right brake disc</td>
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<tr>
<td></td>
<td></td>
<td>Replaced Right tire</td>
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<tr>
<td></td>
<td></td>
<td>Replaced Right wheel bearings.</td>
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