

#1

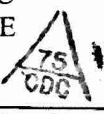
AIRCRAFT LOG
A15-1

~~507/100~~

INSTALLED EQUIPMENT

ITEM	MANUFACTURER	MODEL	SERIAL NO.
ENGINE	Teledyne Continental Motors Inc.	IO-550-N	R L 691173
ENGINE			R L
PROPELLER	Hartzell Propeller Inc.	PK-331F-1W	FP5902B
PROPELLER			
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PROPELLER			

MAJOR ALTERATIONS

DATE	DESCRIPTION OF ALTERATION
6-19-07	
	<p>THE FOLLOWING SUPPLEMENTAL TYPE CERTIFICATES HAVE BEEN INSTALLED ON THIS AIRCRAFT SA10588SC SE10589SC SA01708SE</p> <p>CDC  on 6/19/07 Cirrus Design Corporation Duluth, MN USA PC# 338CE</p>

LIFE LIMITED PARTS OR OVERHAUL REQUIREMENTS

7/19/07

NAME OF PART	PART NUMBER	SERIAL NUMBER	INSTALLATION DATE/HOURS	TIME ON PART AT INSTALL	LIFE LIMIT OR T.B.O.	REMOVAL DATE/HOURS	AGENCY CERT. NO.
Life Limited Parts SR22							
PART NAME	PART NUMBER					EXPIRES	
CAPS Rocket Motor	21814-001	S/N	3471			05/17	
CAPS Parachute	20331-001	S/N	02908			06/17	
CAPS Reefing Line Cutters	5212	LOT	10507C003 0411			04/13	NEXT DUE 12/2019
Oxygen Bottle Assembly	100N0020-4	MFG Date	03/07			03/2022	
ELT Battery Pack	452-6504	Date Installed	06/07			5/2012	3/2018
EMA Controller, AAIR	20902-001	S/N	09APR07-181			APR 2014	DUE 6/2020
Pilot Seat Inflator Assy, AAIR	20902-002	S/N	AASI 071U 20381			4/1/2014	4/1/2017 - NEW charge IN CH 4
Co-Pilot Seat Inflator Assy, AAIR	20902-002	S/N	AASI 071U 20571			4/1/2014	4/1/2017 - NEW charge IN CH 4

AIRWORTHINESS DIRECTIVE/FACTORY BULLETIN COMPLIANCE RECORD

A.D./BULL. NUMBER	ITEM AFFECTED	DATE & HRS. AT COMP.	METHOD OF COMPLIANCE	TYPE OF A.D. 1 TIME/RECUR.	NEXT COMP. DATE/HRS./CYCLE	AUTHORIZED SIGNATURE CERTIFICATE NO.
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MAKE Cirrus
 MODEL SR22 G3
 S/N 22-2596
 REG NO 628SR
 WORK ORDER 9837-09-2007



Cirrus Design Factory Service Center

Repair Station No. YD5R855Y
 4515 Taylor Circle
 Duluth, MN 55811
 Phone 218-788-3101

DATE 9/11/2007
 A/C TSN 219
 HOBBS 219

SB Entries

(9) Complied with CDC SB 2X-31-02, Aircraft Data Logger Harness Stowing Inspected, capped and stowed F1051 connector to the aft mid console wire harness bundle Work done IAW SB 2X-31-02 Instructions

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y

DATE: 9/11/2007

SIGNED:

Karl Hagglund
 Certified Repair Station No. YD5R855Y

Work Order: 9837-09-2007

Printed by EBis 3 (datcomedia.com)

Date: 1/7/2008 Aircraft: N628SR Manufacturer: Cirrus Type: SR22 S/N: 2596 Flight HOBBS: 60.4 HOBBS: 72.7
 *****Airframe Log Entry***** Log ID 3597

Complied with SB 2X-57-08, wing drain hole modification, by addition of drain holes in left and right wing tip enclosure in accordance with service bulletin instructions.

Complied with SB 2X-28-07 R1, fuel check valve removal, by installation of kit p/n: 70195-002 in accordance with service bulletin instructions.

Scott Campbell
 AP 3241590

Wisconsin Aviation - Madison
 3606 Corben Court
 Madison, WI 53704
 608-268-5003



Wisconsin Aviation - Watertown
 1741 River Drive
 Watertown, WI 53094
 920-261-4567

ALTIMETER & STATIC SYSTEM CHECKS F.A.R. 91.411

KALAMAZOO AIRCRAFT, INC.
AIRCRAFT MAINTENANCE, INSPECTION & REPAIR
2729 E. MILHAM RD. PORTAGE, MI. 49002
616 381 0790 REPAIR STATION NO. K9AR289N

I CERTIFY THAT THE ATC TRANSPONDER(S) WERE TESTED AND INSPECTED
AS PER 91.413 IAW PART 43, APPENDIX F

TRANSPONDER #1 S/N 83728725
TRANSPONDER #2 S/N _____

AUTOMATIC ALTITUDE REPORTING SYSTEM TESTED AND INSPECTED AS PER
91.411 IAW PART 43, APPENDIX E, PARAGRAPH C TO 25,000 FEET.

I CERTIFY THAT THE STATIC SYSTEM(S) WERE TESTED AND INSPECTED
AS PER 91.411 IAW PART 43, APPENDIX E, PARAGRAPH A.

I CERTIFY THAT THE ALTIMETER (S) WERE TESTED AND INSPECTED
AS PER 91.411 IAW PART 43, APPENDIX E, PARAGRAPH B TO 25,000 FT.

BY Ralph Michalka DATE: 6/10/09

LEFT ALTIMETER S/N 20042197

RIGHT ALTIMETER S/N 462024

SIGNATURE Ralph Michalka DATE 6/10/09

FORM KA 104A, 104B, 104C w/o 5811

Date: 4-15-2010
Reg: N869SM
TTSN: _____
TACH: 0346.5



The Altimeter, Pitot, Static and Altitude Reporting Systems have been tested and found to be in compliance with FAR 43, Appendix E and F, as required by FAR 91.411

The ATIS Transponder has been tested and found to be in compliance with FAR 43, Appendix E, as required by FAR 91.413

[Signature]
NEXAIR AVIONICS CRS: N4OR087B WO: 428

Y:
ST. NO.



Altimeter Correction Card R9			
Altimeter: <u>ANDME</u>		SN: <u>IFD 5000</u>	
ALT	Error	ALT	Error
-1000	0	14000	-10
0	0	16000	-20
500	0	18000	-20
1000	0	20000	-20
1500	-5	22000	-30
2000	-5	25000	-30
3000	5	30000	
4000	0	35000	
6000	-5	40000	
8000	0	45000	
10000	0	50000	
12000	-10	55000	

Barometric InHg: 29.92 Test Date: 4-15-10

Tested By: [Signature] CRS N4OR087B
 Mansfield Airport 265 Fruit St Mansfield MA 02048






Altimeter Correction Card			
Altimeter: <u>5934AD-3</u>		SN: <u>9620024</u>	
ALT	Error	ALT	Error
-1000	-5	14000	-20
0	0	16000	-30
500	0	18000	-30
1000	5	20000	-35
1500	5	22000	-40
2000	5	25000	-40
3000	10	30000	↓
4000	10	35000	
6000	10	40000	
8000	-10	45000	
10000	-15	50000	
12000	-30	55000	

Barometric InHg: 29.92 Test Date: 4-15-10

Tested By: [Signature] CRS N4OR087B
 Mansfield Airport 265 Fruit St Mansfield MA 02048

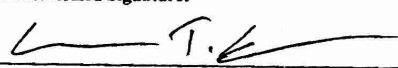
TESTED TO 25,000 FT

MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
<p>MAKE: Cirrus MODEL: SR22 G3 S/N: 22 2596 REG. NO: 628SR WORK ORDER: 9837-09-2007</p>		<p>Cirrus Design Factory Service Center Repair Station No. YD5R855Y 4515 Taylor Circle Duluth, MN 55811 Phone: 218-788-3101</p>	<p>DATE: 9/11/2007 A/C TSN: 219 HOBBS: 219</p>
<p>Airframe Entries (2) Installed EMI suppressor, PN 51161-001, to coupler wire on coupler drive assy. Work done IAW EDC Drawing 17404-003 Rev A, flag note 11</p> <p>I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, airframe, aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with current requirements of the Federal Aviation Administration and is approved for return to service. Pertinent details of repair are on file at this Certified Repair Station CRS YD5R855Y.</p>			
DATE: 9/11/2007	<p>SIGNED:  Karl Hagglund Certified Repair Station No. YD5R855Y</p>		<p>Work Order: 9837-09-2007 Printed by EBis 3 (datcomedia.com)</p>
<p>MAKE: Cirrus MODEL: SR22 S/N: 2596 REG. NO: N628SR WORK ORDER: 5098-09-2007</p>	<p>Kalamazoo Aircraft, Inc. Repair Station No. K9AR289N 2729 E Milham Rd. Kalamazoo, MI 49002 Phone: 269-381-0790</p>		<p>DATE: 9/24/2007 A/C TSN: 36 HOBBS: 36</p>
<p>Airframe Entries REPLACED ROLL TRIM MOTOR ASSEMBLY</p> <p>The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this certified repair station.</p>			
DATE: 9/24/2007	<p>SIGNED:  James R. Michalka Certified Repair Station No. K9AR289N</p>		<p>Work Order: 5098-09-2007 Printed by EBis 3 (datcomedia.com)</p>

Country: FAA/United States		AUTHORIZED RELEASE CERTIFICATE				3. Form Tracking Number: EMA* 27636	
4. Organization Name and Address: Avidyne Corporation, 202 West Drive, West Melbourne, FL 32904		FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG				5. Work Order/Contract/Invoice Number: EMA* 27636	
6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:	
1	PFD	700-00006-000	N/A	1	20022286	Rebuilt	

13. Remarks:
Return to service and meets approved TSO design. This article has been tested and inspected and found to comply with appendix E of 14 CFR 43 in accordance with 14 CFR 91.411

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.		19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> 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.	
15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature: 	21. Approval/Certificate No.: PT 3844 CE
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): Kevin T. Bogan	23. Date (m/d/y): 1/10/08

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.

MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE WORK PERFORMED/RETURNED TO

WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE:

N#869SM

Removed WX-500 processor p/n: 805-11500-001 s/n: 91940 and installed repaired WX-500 processor p/n: 805-11500-001 s/n: 91469. Installed Release 7 software field upgrade kit p/n: 850-00013-361 to MFD p/n: 700-00004-008 s/n: 20012516 in accordance with Avidyne SB # 601-00004-077. Systems ramp checks satisfactory.

-----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: 4/08/08 **HOBBS:** 80.4 **WO#:** 8196 **SIGNED:** _____



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

AUTHORIZED RELEASE CERTIFICATE

FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG

1. Approving National Aviation Authority/Country:
FAA/United States

3. Form Tracking Number:
08-576016

4. Organization Name and Address:
L-3 Communications Avionics Systems, Inc.
Repair Station Certificate No. NN2R037L
5353-52nd Street S.E
Grand Rapids, Michigan 49512-9704

5. Work Order/Contract/Invoice No.
576016

6. Item	7. Description	8. Part Number	9. Eligibility*	10. Quantity	11. Serial/Batch Number	12. Status/Work
1	WX-500	805-11500-001	N/A	1	91469	REPAIRED

13. Remarks: **RETURN TO SERVICE**

Unit complies with pertinent Airworthiness Directives and Service Bulletins.

Unit was inspected, tested, and meets all specification requirements of Spec. No. **012-11500-001 Y**

Work completed on **Mar/24/2008** by **Jim Eickenroth** REV. date: **Mar/13/2007**

Note: This certifies that the work specified in Block 12/13 was carried out in accordance with EASA-145 and with respect to that work the aircraft component is considered ready for release to service under EASA Certificate Number EASA.145.4260.

For work details see Service Work Report # **576016**

14. Certifies that 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.

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.

15. Authorized Signature

16. Approval/Authorization No.

20. Authorized Signature:

21. Approval/Certificate No.

17. Name (Typed or printed)

18. Date (m/d/y)

22. Name (Typed or Printed)

23. Date (m/d/y)

**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. 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.

1. UNITED STATES		2. FAA FORM 8130-3 AIRWORTHINESS APPROVAL TAG			3. SYSTEM TRACKING REG. NO:	
		US Department of Transportation Federal Aviation Administration			5. WORK ORDER, CONTRACT, OR INVOICE NO: 8196	
4. ORGANIZATION CRS # DBKR124D Wisconsin Aviation-Four Lakes, Inc. 3606 Corben Ct., Madison, WI 53704 Phone (608) 268-5006						
6. ITEM	7. DESCRIPTION	8. PART NO.	9. ELIGIBILITY*	10. QTY.	11. SERIAL/BATCH NO.	12. STATUS/WORK
1	EX-5000	700-00004-008	TBD	1	20012516	Repaired
13. REMARKS Install Rev. 7 isw Avidyne SB601-00004-077						
Limited life parts must normally be accompanied by maintenance history including total time/total cycles/time since new.						
14. New <input type="checkbox"/> Newly Overhaul <input type="checkbox"/> Certifies that the new or newly overhauled part(s) identified above, except as otherwise specified in block 13 was (were) 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.			19. Return to Service in Accordance with FAR 43.9 o 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.			
15. Signature		16. FAA Authorization No.:		20. Authorization Signature		21. Certificate Number:
				Ryan Walsh		DBKR124D
17. Name (typed or printed):		18. Date:		22. Name (typed or printed)		23. Date:
				Ryan Walsh		4-8-08
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. Where the user/installer 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.						
*Optional installer must cross check eligibility with applicable technical data.						

MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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MAKE: Cirrus
MODEL: SR22
S/N: 2596
REG. NO: N869SM
WORK ORDER:
5429-06-2008

Kalamazoo Aircraft, Inc.

Repair Station No. K9AR289N
2729 E Milham Rd.
Kalamazoo, MI 49002
Phone: (269) 381-0790

DATE: 6/16/2008
A/C TSN: 116.5
HOBBS: 116.5

Airframe Entries

AIRFRAME ANNUAL INSPECTION COMPLETED AND FOUND TO BE IN AN AIRWORTHY CONDITION... CLEANED AND INSTALLED TOW BAR PROTECTION TAPE... REMOVED AND RESEALED BRAKE CALIPERS, REINSTALLED AND BLED BRAKES, OPS CHECKS GOOD... INSPECTED AND TESTED ELT PER FAR 91.207 (d), CHECKED GOOD, BATTERY DUE JULY 2012... SERVICED TKS TANK WITH 1 GALLON OF TKS FLUID... C/W SB 2X-52-07 R4 DATED 01/24/2008, CABIN DOOR ROD END REPLACEMENT, INSTALLED KIT 70186-005... INSTALLED NEW LANDING LIGHT LENS... SERVICED ALL WHEEL BEARINGS... SERVICE OXYGEN TO 1950 PSI... C/W SB 2X-57-09 DATED 03/26/2008, FLAP COVE PATCH INSTALLATION, INSTALLED KIT #70202-001

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this certified repair station.

DATE: 6/16/2008

SIGNED:

Ralph Michalka

Work Order: 5429-06-2008

Ralph Michalka
Certified Repair Station No. K9AR289N

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PROP MODEL:
PROP S/N:
REG. NO: N869SM
WORK ORDER:
5429-06-2008

Kalamazoo Aircraft, Inc.

Repair Station No. K9AR289N
2729 E Milham Rd.
Kalamazoo, MI 49002
Phone: (269) 381-0790

DATE: 6/16/2008
A/C TSN: 116.5
PROP TT:
HOBBS: 116.5

Prop Entries

PROPELLER ANNUAL INSPECTION COMPLETED AND FOUND TO BE IN AN AIRWORTHY CONDITION

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this certified repair station.

DATE: 6/16/2008

SIGNED:

Ralph Michalka

Work Order: 5429-06-2008

Ralph Michalka
Certified Repair Station No. K9AR289N

Printed by EBis 3 (datcomedia.com)

Date: 1/30/2009; Aircraft: N869SM; Type: SR22; S/N: 2596; Hobbs: 209.2; Total Time: 209.2
Flt Hobbs: 209.2 Hobbs: 244.2.

Airframe Work ID 4477

Complied with AD 08-06-28R1 (4/10/08) PFD - incorrect attitude, altitude and airspeed information by installing amendment into P.O.H. Complied with SB 2X-51-02 leading edge protective tape installation by installing kit p/n 70199-001. Replaced left and right main wheel fairing protective film p/n AK-009-G3/LS and p/n AK-009-G3/RS with new. Replace left and right cabin step assist handles p/n 10690-002 with new. Replace left and right cabin steps p/n 18201-001 and 18201-002 with new. Replaced lower engine cowl aft seal p/n 20665-002 with new. Replaced nose fairing tow bar protectors p/n AK-009-G3/TB with new. Replaced nose wheel fairing protector p/n AK-009-G3/NS with new.

All work performed in accordance with Cirrus Design SR22 Maintenance Manual.

Doug Seibel
A&P389765035 IA

Doug Seibel IA389765035

Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003



Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

MAKE: Cirrus
MODEL: SR22
S/N: 2596
REG. NO: N869SM
WORK ORDER:
5811-06-2009

Kalamazoo Aircraft, Inc.

Repair Station No. K9AR289N
2729 E Milham Rd.
Kalamazoo, MI 49002
Phone: (269) 381-0790

DATE: 6/22/2009
A/C TSN: 283.1
HOBBES: 283.1
Flt Hobbs: 247.7

Airframe Entries

AIRFRAME ANNUAL INSPECTION COMPLETED AND FOUND TO BE IN AN AIRWORTHY CONDITION... INSTALLED NEW 34-0428020-65 LAMP IN RH NAV LIGHT.... INSTALLED NEW #2 BATTERIES (50979-001) DUE AGAIN 7/2010... INSTALLED NEW O-RINGS IN BOTH BRAKE CALIPERS.... CLEANED UP RIGHT BRAKE CALIPER SO PISTONS WOULD MOVE FREELY AND BLED BRAKE.... C/W AD 2008-14-13 DATED 8/14/2008 BY COMPLETION OF SERVICE BULLETIN 2X-52-07 R4 DATED 1/24/2008 CABIN DOOR ROD END REPLACEMENT.... INSTALLED NEW 066-06200 BRAKE LININGS ON BOTH MAIN GEAR.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this certified repair station.

DATE: 6/22/2009

SIGNED:

James R. Michalka

James R Michalka
Certified Repair Station No. K9AR289N

Work Order: 5811-06-2009

Printed by EBis 3 (datcomedia.com)

MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE

MAKE: Cirrus
 MODEL: SR22
 S/N: 2596
 REG. NO: N869SM
 WORK ORDER:
 5919-09-2009

Kalamazoo Aircraft, Inc.

Repair Station No. K9AR289N
 2729 E Milham Rd.
 Kalamazoo, MI 49002
 Phone: (269) 381-0790

DATE: 9/30/2009
 A/C TSN: 337.7
 HOBBS: 337.7

Airframe Entries

INSTALLED NEW RH STROBE/NAV LIGHT TIP ASSEMBLY, OPS CHECKS GOOD. REPLACED STROBE LIGHT POWER SUPPLY, P/N ON 01-077088-00 S/N 03524. OPS CHECKED GOOD.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service. Details are on file at this certified repair station.

DATE: 9/30/2009

SIGNED: *Ralph Michalka*

Work Order: 5919-09-2009

Ralph Michalka
 Certified Repair Station No. K9AR289N

Printed by EBis 3 (datcomedia.com)

**MAINTENANCE RECORD
F.A.R. 43.9**

WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE:

N869SM

Removed Turn Coordinator P/N 1394T100-14RB S/N E07-11628 316495, installed S/N B07-10736A. Ramp tested 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: February 10, 2010 **HOBB:** 336.0 **WO#:** 9465 **SIGNED:** 


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

Date: 2/26/2010; Aircraft: N869SM; Type: SR22; S/N: 2596; Hobbs: 340.2; Total Time: 340.2
Hobbs 376.5 Flight Hobbs 340.2

*****Airframe Work*****

Removed roll trim servo, p/n 12546-003S and installed roll trim servo, p/n 12546-003S, s/n 414, after overhaul by Cirrus Design Factory Service Center, CRS# YD5R855Y, WO# 655-02-2010, dated 2/22/2010. All work performed in accordance with Approved/Current Technical Data.

Dan Stammen
A&P 2636878

 2636878 A&P

Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003




Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

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

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

3. Form Tracking Number:
 WRK0106940

4. Organization Name and Address:

MID-CONTINENT INSTRUMENT CO., INC
 9400 E 34th ST. NORTH
 WICHITA, KS 67226-2615

5. Work Order/Contract/Invoice Number:
 WRK0106940

FAA CRS OL2R061L

6. Item:	7. Description:	8. Part Number:	9. Eligibility:	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	TURN COORDINATO	1394T100-14RB 6405	N/A	1	B07-10736A	REPAIRED

13. Remarks:
THE WORK ORDER REFERENCED DESCRIBES THE ACTUAL WORK PERFORMED.
ALL WORK WAS PERFORMED REF. MANUAL # 34-20-47 2/1/07

The work specified in block 12/13 except as otherwise specified was carried out in accordance with EASA Part 145 and in respect to that work the aircraft component is considered ready for release to service under EASA Approval Certificate Number EASA.145.4675.

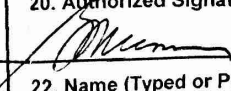
14. Certifies the items identified above were manufactured in conformity to:

Approved design data and are in condition for safe operation.

Non-approved design data specified in Block 13.

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 the work, the items are approved for return to service.

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature 	21. Approval/Certificate No.: FAA CRS OL2R061L
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): ROBIN FREEMAN	23. Date (m/d/y): Aug/28/2007

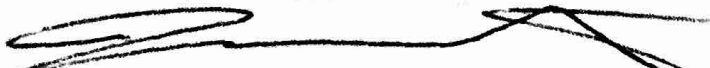
User/Installer Responsibilities

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.

MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED
		<p>NexAir Avionics - Avidyne R9 Installation April 15, 2010 N869SM HOBBS: 0393.1</p>
		<p>AVIONICS UPGRADE TO INCLUDE THE REMOVAL OF: AVIDYNE EXP5000 PFD, SN: 20022286, AVIDYNE EX5000 MFD, SN: 20012516, GARMIN GMA340 AUDIO PANEL, SN: 96280815, GARMIN GNS430W GPS/NAV/COM, SN: 23401815, GARMIN GNS430W GPS/NAV/COM SN: 23401820 AND HEADS UP TECHNOLOGIES XM RECEIVER, SN: 816001353. ALL RADIOS REMOVED COMPLETE.</p>
		<p>INSTALLATION OF: AVIDYNE R9 PLATINUM SYSTEM CONSISTING OF IFD5000i, IFD, SN: M100793522, IFD5000i, IFD, SN: M100893966, ACD215 KEYBOARD, SN: M100390342, ACM CONFIG MODULE, SN: M100490911, MLB700 WEATHER DATA LINK W/ANTENNA, SN: M092861341, PS ENG PM8000B AUDIO PANEL, SN: X004765 AND AP RELAY AIS240-35 SN: 12295</p>
		<p>NEW INSTRUMENT PANEL FABRICATED FOLLOWING MANUFACTURERS DRAWINGS. ALL RADIO AND SYSTEMS OPERATIONS CHECK OK - FLIGHT TEST PERFORMED, ALL SYSTEMS OPERATING TO SPECIFICATIONS. SEE FAA FORM 337 THIS DATE.</p>
		<p style="text-align: center;"></p> <p>Note: Work Order #428 on File, Equipment List and Weight & Balance updated. Dave Fetherston NEXAIR AVIONICS FAA CRS: N4OR087B</p>



N869SM 04-15-2010 HOBBS: 0393.1

REMOVED AND REPLACED WITH NEW
SAFETY VALVE REMOVED MASTER WASTEGATE AND REPLACED WITH NEW
ON SIDE OF IT REMOVED VALVE ASSEMBLY PER TORNAO VALLEY CURRENT
REPAIR MANUALS REPAIR OF OIL PRESSURE TO MASTER WASTEGATE
HOOPER AND NEVIN TEST AND SIGNATURE TEST ACCEPTED


DAVID L FETHERSTON A&P 3354619

**MAINTENANCE RECORD
F.A.R. 43.9**

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE:

N869SM

Updated Avidyne EXP5000i #1 and #2 EFD's software from version 9.0.2.2 to version 9.1 in accordance with Avidyne document 601-00083-015. Installed new Pilot's guide pages and new ICA into aircraft records. System ramp checks satisfactory.

-----END-----

DATE: 7/1/10 HOBBS: 458.7 WO#: AV10-9733 SIGNED: *E. J. Forebrook*

WISCONSIN AVIATION FOUR LAKES, INC.

DESCRIPTION OF WORK DONE:

N#869SM

Installed Garmin software update version 3.11 main and 3.1 GPS in accordance with software bulletin 0818 Rev A. Original version was 3.00 main and 3.0 GPS. Ramp checked satisfactory.

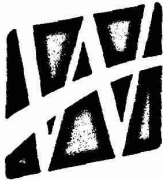
-----END-----

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: 8/21/08 HOBBS: 192.4 WO#: 8462 SIGNED: *Garan Welsh*

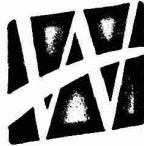
3606 Corben Ct. - Madison, WI 53704 - CSR No. DBKR124D
(608) 268-5006 (608) 268-5038 FAX

MAINTENANCE RECORD F.A.R. 43.9

AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
	<p>Date: 7/21/2010; Aircraft: N869SM; Type: SR22; S/N: 2596; Hobbs: 420.3; Total Time: 420.3; Engine - Type: IO-550N46 Turbo STC, S/N: 691173, Time: 420.3; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 420.3 Hobbs: 458.6 Flight Hobbs: 420.3 ***Airframe Work*** Completed an Annual inspection in accordance with FAR 43, Appendix D and Tornado Alley Turbo Service Manual. Complied with SB2X-05-01 by installation of brake temperature label kit p/n 70227-002 and installing temp revisions into P.O.H. Complied with Cirrus SB2X-27-16 (10/2/09) Flap Actuator Modification by installation of flap mod kit p/n 70231-001. Complied with SB 2x-30-07R3 by visual inspection and found left panel vent plugged. Performed service according to Service Bulletin. Complied with SB 2X-32-16 by installation of kit P/N 70196-001. Complied with SB 2X-32-19R2 NLG Assembly inspection by visual inspection and installation of kit # 70238-001. Next Due: 520.3 ACTT. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 7/11. ELT battery due 7/12. Completed Inspection for Continued Airworthiness of precise flight oxygen system, no defects noted. Adjusted both cabin door latches. Ops checked good. Completed Inspection for Continued Airworthiness of Tornado Alley Turbo system. Completed Inspection for Continued Airworthiness of precise flight oxygen system annual and three year items. Installed oxygen bottle, p/n 102N0100-1, s/n 18137, after rebuilt by Precise Flight, Inc, CRS# PQ0093NM, Wo# 72768, dated 7/13/2010. Oxygen bottle next due 7/2015 (5 year). *** Continued ***</p>	
	<input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003	<input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567
		

MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
		<p>Date: 7/21/2010; Aircraft: N869SM; Type: SR22; S/N: 2596; Hobbs: 420.3; Total Time: 420.3; Engine - Type: IO-550N46 Turbo STC, S/N: 691173, Time: 420.3; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 420.3 *** Airframe Work *** *** Continued ***</p> <p>Replaced TKS filter p/n 26115-101 with new. Replaced Gascolator seal p/n NAS1523-8B with new. Replaced induction air filter p/n 33-2022 with new. Replaced left main tire with new, p/n 156E61-3, s/n 83227155. Cleaned, inspected and repacked wheel bearings. Reinstalled wheel and tire assembly. Replaced right main tire with new, p/n 156E61-3, s/n 81650024. Cleaned, inspected and repacked wheel bearings. Reinstalled wheel and tire assembly. Replaced all brake linings p/n 066-06200 with new. Replaced nose wheel bearings and races p/n 08125 & 08231 with new. Replaced right rear headset jack p/n 51208-002 with new. Replaced differential pressure switch p/n 14128-001 with new. Replaced Emergency rescue placard p/n 12437-001 with new. Replaced cabin assist handles p/n 10690-003 with new. Replaced aft rudder rod end p/n 11315-004 with new. Replaced alternator adel clamp p/n MS21919 WDG6 with new. Replaced left turbo support rod and upper bushing p/n ETI-G2-600-35 & 22-6250005 with new. Replaced left turbo tail pipe bracket p/n 22-6200045 with new. Replaced intake air filter p/n 33-2022 with new. Installed new dual lock adhesive strips and repositioned interior panels aft of co-pilots door. Adjusted both cabin door latches. Ops checked good.</p> <p>I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.</p> <p>Nick Cipriano A&P 372726267 IA <i>Nick Cipriano</i></p>	
		<input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003	<input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567



MAINTENANCE RECORD F.A.R. 43.9

DATE OF COMPLETION	AIRCRAFT TIME IN SERVICE	DESCRIPTION OF WORK PERFORMED OR APPROVED DATA USED	AGENCY & CERTIFICATE NO. WORK PERFORMED/RETURNED TO SERVICE
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WISCONSIN AVIATION FOUR LAKES, INC.


DESCRIPTION OF WORK DONE:

N869SM

Performed software upgrade to left and right IFD's and made changes to IFD owner's manual in accordance with Avidyne Service Bulletin 601-00083-022. Performed autopilot upgrade and aircraft wiring modifications in accordance with Avidyne DFC series autopilot installation manual. Removed S-Tec 55X autopilot programmer p/n: 01192-34-61T-30 s/n: 0721-12339 and installed Avidyne DFC-100 p/n: 700-00170-001 s/n: M104Q4654. Configured left and right IFD's in accordance with installation manual. Installed new DFC-100 owner's manual into aircraft. Calculated new weight and balance and completed form 337. Performed start-up voltage tests and checked pitch servo bridal cable tension and found all to be within tolerance. Performed adjustment to aileron trim tab as needed. Systems ramp and flight check satisfactory.

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: 4/06/11 HOBBS: 495.8 WO#: AV10-10324 SIGNED: 

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

**MAINTENANCE RECORD
F.A.R. 43.9**

DATE OF
COMPLETION

AIRCRAFT TIME
IN SERVICE

DESCRIPTION OF WORK PERFORMED

SERVICE

WISCONSIN AVIATION FOUR LAKES, INC.


DESCRIPTION OF WORK DONE:

N869SM

Removed Honeywell KGP-560 TAWS p/n 965-1198-005 s/n 6192. Reconfigured left and right IFD's as applicable for removal of TAWS. Placarded panel "TAWS INOP."

-----**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: 4/7/2011 HOBBS: 495.8 WO#: AV11-10359 SIGNED: 

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

WISCONSIN AVIATION FOUR LAKES, INC.


DESCRIPTION OF WORK DONE:

N869SM

Installed modified KGP-560 p/n: 965-1198-005 s/n: 6192. Reconfigured per aircraft configuration. Performed magnetic calibration to left and right IFD's in accordance with Avidyne R9 maintenance manual. Systems ramp check satisfactory.

-----**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: 5/3/11 HOBBS: 517.3 WO#: AV11-10387 SIGNED: 

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

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 002387-20110413-716	
4. Organization Name and Address: Honeywell International, Inc. (PR2R093L) One Technology Center 23500 West 105th Street Olathe, Kansas 66061			5. Work Order/Contract/Invoice Number: AK1504			
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
001	KGP 560	965-1198-005	N/A	1	6192	Modified
13. Remarks: Honeywell Catalog Part Number: 066-01196-0205 See accompanying work order for additional work performed Installed KGP 560 965-1196/1198/1199/1227-34-07 per D200902000005 Rev 0: 22 Jun 2009 Installed KGP 560 965-1196/1198/1199/1227-34-08 per D200902000004 Rev 0: 22 Jun 2009 A.T.E. Tested per KGP 560 ATP 076-0901-001 Rev AE: 16 Dec 2008 Application Software 005.1 - Boot Software GA-B101.1						
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 145-4140.					Repairman Certificate Number: 2612921	
14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13			19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> 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.			
15. Authorized Signature:	16. Approval/Authorization No:	20. Authorized Signature: <i>Charles Wood</i>		21. Approval/Certificate No: PR2R093L		
17. Name (Typed or Printed):	18. Date (m d y):	22. Name (Typed or Printed): Charles Wood		23. Date (m d y): Apr 21 2011		
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.						

FAA Form 8130-3 (6-01)

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

NSN: 0052-00-012-9005

Paperwork Reduction Act Statement:
An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number associated with this collection of information is 2120-0018. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW, Washington, DC 20591, Attn: Information Collection Clearance Officer, ABA-20.

J.A. AIR CENTER

Aurora Airport • Sugar Grove, IL 60554

FAA Repair Station #NF2R029L

Cirrus SR22

Type _____

S/N 2596

N# 869SM

Description of work done:

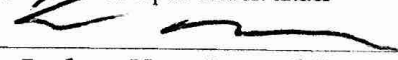
AIRFRAME LOG ENTRY

Removed Bendix/King KGP 560 EGPWS unit s/n: 6192 and sent to Honeywell for factory repair. Weight and Balance done. Cable harness secured under panel.

Final Test Ok.

MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 224391 Date 23AUG2011 Tach/Hobbs 536.4 Signature  _____
Inspector (print) Luke W. Gomoll

J.A. AIR CENTER
Aurora Airport • Sugar Grove, IL 60554
FAA Repair Station #NF2R029L

Type Cirrus SR22T
S/N 2596
N# 869SM

Description of work done:

AIRFRAME LOG ENTRY

Removed and replaced Compact Flash cards in #1 and #2 Avidyne IFD5000s. Left IFD5000 s/n: M1000793522, Right IFD5000 s/n: M100893996. Setup and tested ok.

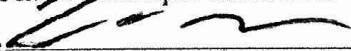
Removed Avidyne ACR132 IFD Blade s/n: M100592632 and installed Avidyne exchange Blade (ACR132) s/n: M101906695. Setup and tested. Blade replacement done on left (#1) IFD.

Performed pitot/static leak check with no problems found.

Final Test OK.

MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 224513 Date 30AUG2011 Tach/Hobbs 536.2 Signature 
Inspector (print) Luke W. Gomoll

J.A. AIR CENTER

Aurora Airport • Sugar Grove, IL 60554
FAA Repair Station #NF2R029L

Type Cirrus SR22
S/N 2596
N# 869SM

Description of work done:

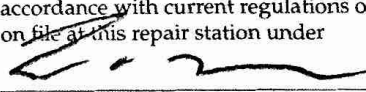
AIRFRAME LOG ENTRY

Re-installed Bendix/King KGP560 EGPWS (factory reapirod) in aircraft and tested. Ops check good at this time. s/n: 6192
Complied with Avidyne Service Bulletin p/n: 601-00083-025 Rev. 02 09SEP2011. IFD Release 9.2.1 Upgrade to Release 9.2.3.
#1 IFD500 s/n: M100793522 #2 IFD5000 s/n: M100893996.

Final Test OK.

MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 224586 Date 20SEP2011 Tach/Hobbs 564.8 Signature 
224391 Inspector (print) Luke W. Gomoll

1. Approving National Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG (PR2R093L)		3. Form Tracking Number: 003150-20110825-772	
4. Organization Name and Address: Honeywell International, Inc. One Technology Center 23500 West 105th Street Olathe, Kansas 66061				5. Work Order/Contract/Invoice Number: AK7882	
6. Item:	7. Description:	8. Part Number:	9. Eligibility:*	10. Quantity:	11. Serial/Batch Number:
001	KGP 560	965-1198-005	N/A	1	6192
					12. Status/Work: Repaired

3. Remarks: Honeywell Catalog Part Number: 066-01196-0205
See accompanying work order for additional work performed

Repaired per KGP 560 CMM 012-0711-001 Rev 7: Feb 02/07
A.T.E. Tested per KGP 560 ATP 076-0901-001 Rev AE: 16 Dec 2008
Application Software 005.1 - Boot Software GA-B101.1

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.145.4140. Repairman Certificate Number: 3324761

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation <input type="checkbox"/> Non-approved design data specified in Block 13		19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> 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.	
Authorized Signature:	16. Approval/Authorization No:	20. Authorized Signature: <i>Scott H Virginia Jr</i>	21. Approval/Certificate No: PR2R093L
Name (Typed or Printed):	18. Date (m d y):	22. Name (Typed or Printed): Scott H Virginia Jr	23. Date (m d y): Sep 01 2011

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.

FAA Form 8130-3 (6-01)

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

NSN: 0052-00-012-9005

Paperwork Reduction Act Statement:
An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number associated with this collection of information is 2120-0018. Comments concerning the accuracy of this burden and suggestions for reducing the burden should be directed to the FAA at: 800 Independence Ave. SW, Washington, DC 20591, Attn: Information Collection Burden Review Project.

INSPECTION RECORD F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
7 JUL 07	9.5	<p>Production Flight Test accomplished in accordance with Cirrus Procedure #90502</p> <p>Name: Frank Mathews Date <u>7 JUL 07</u></p> <p>Signature: <u>Frank Mathews</u></p> <p>Title: Production Flight Test Pilot</p>
July 19 2007	5.5 hrs	<p>I find that the aircraft meets the requirements for the certification requested and have issued an U.S. Standard Airworthiness Certificate dated <u>July 19 / 2007</u>.</p> <p>The next inspection is due <u>July 31 / 2008</u>.</p> <p style="text-align: center;"><u>Loren L. Thibert</u></p> <p>LOREN L. THIBERT ODARF-405228-CE</p>

INSPECTION RECORD

DATE

J A AIR CENTER AURORA AIRPORT/SUGAR GROVE, IL 60554

Repair Station #NF2R029L

AIRFRAME LOG

Type CIRRUS SR22

N # 8695M

S/N 2596

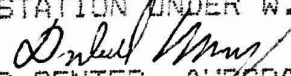
LH REC. HR. METER 525.8

NOSE TIRE FLAT:

INSTALLED NEW NOSE TIRE P/N 071-312-0 S/N 7024W00249 WITH
SERVICABLE INNER TUBE. INFLATED TO 40 PSI.

THE AIRCRAFT, ENGINE, APPLIANCE, OR COMPONENT IDENTIFIED WAS
REPAIRED & INSPECTED IN ACCORDANCE WITH CURRENT REGULATIONS
OF THE FEDERAL AVIATION AGENCY AND IS APPROVED FOR RETURN TO
SERVICE. PERTINENT DETAILS OF THE REPAIR ARE ON FILE AT THIS
REPAIR STATION UNDER W.O. # 19076 DATE: JUNE 28, 2011

SIGNED:



For

J.A. AIR CENTER, AURORA AIRPORT, SUGAR GROVE, IL 60554

F.A.A. APPROVED REPAIR STATION #NF2R029L

INSPECTION RECORD

ALTIMETER, STATIC, AND TRANSPONDER CERTIFICATE

N869SM

STBY

Wisconsin Aviation Inc.
FAA CRS No. DBKR124D

Madison, WI 53704

608-268-5006

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	+20	0	0	+5	+10	+10	+15	+10	+5	-10	-10	-15	-20	-30	-30
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hystersis Tol + 75 Ft.		ALTIMETER		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	39	50% Max	+25			
Actual ± Ft.	-20	0	+20	X	X	X	X	X	Temp	25	40% Max	+20	BLIND ENCODER MAKE: ACK MODEL: A30 S/N: 106687		

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (25) THOUSAND FEET.
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Garmin MODEL: GTX-327 S/N: 83728725

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 7/6/11 W.O.: AV11-10537 Signed: *E. T. Berbeck*

#2 TRANSPONDER
 MAKE: X
 MODEL: X
 S/N: X

INSPECTION RECORD F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
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ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

N869SM

#1 IFD

Wisconsin Aviation Inc.
FAA CRS No. DBKR124D

Madison, WI 53704

608-268-5006


Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	0	0	0	0	0	0	0	0	0	0	0	-5	-5	-5	-5
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hystersis Tol + 75 Ft.		ALTIMETER MAKE: Avidyne MODEL: IFD5000i S/N: M100793522		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	39	50% Max	+5			
Actual ± Ft.	-5	-10	-15	X	X	X	X	X	Temp	25	40% Max	+5			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (25) THOUSAND FEET.
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: Garmin MODEL: GTX-327 S/N: 83728725

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 7/6/11 W.O.: AV11-10537

Signed: 

BLIND ENCODER

MAKE: ACK
MODEL: A30
S/N: 106687

#2 TRANSPONDER
MAKE: X
MODEL: X
S/N: X

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION—STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
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ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

N869SM

#2 IFD

Wisconsin Aviation Inc.
FAA CRS No. DBKR124D

Madison, WI 53704

608-268-5006

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18	
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120	
Actual ± Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-5	
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hystersis Tol + 75 Ft.		ALTIMETER MAKE: Avidyne MODEL: IFD5000i S/N: M100893966			
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	39	50% Max	+5				
Actual ± Ft.	-5	-10	-10	X	X	X	X	X	Temp	25	40% Max	+5				

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (25) THOUSAND FEET.
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

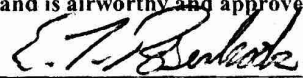
TRANSPONDER MAKE: Garmin MODEL: GTX-327 S/N: 83728725

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 7/6/11

W.O.: AV11-10537

Signed:



BLIND ENCODER

MAKE: ACK
MODEL: A30
S/N: 106687

#2 TRANSPONDER

MAKE: X
MODEL: X
S/N: X

INSPECTION RECORD F.A.R. 43.11-91.409

Date: 8/11/2011; Aircraft: N869SM; Type: SR22; S/N: 2596; Hobbs: 471.5; Total Time: 471.5; Engine - Type: IO-550N46 Turbo STC, S/N: 691173, Time: 471.5; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 471.5
Airframe Work

Hobbs: 526.4 Hobbs: 471.5.

Completed an Annual inspection in accordance with FAR 43, Appendix D and Tornado Alley Turbo Service Manual. AD 10-13-10 (8/5/10) Ontic Engineering Prop Governor not applicable per McCauley p/n C290-D3-R/T 23 and s/n 070368. Complied with 2X-24-09 (2/21/11) Cirrus Recommended TVS Fuse Installation by installation of in-line fuse. Complied with Cirrus SB2X-27-16R1 (05/06/11) Modification to Prevent Possible Asymmetric Flap and Flap Actuator Over-Extension Conditions by installation of flap mod kit 70255-001. Complied with SB 2X-32-19R2 by visual inspection of NLG assembly, no defects noted, next due 571.5 ACTT. Complied with Cirrus Service Advisory SA 09-07 (5/26/09) regarding TAT SB09-01 Exhaust Manifold Inspection by visual inspection, no defects noted. Next Due: 521.5 ACTT. Complied with Cirrus Service Advisory SA 09-08 (5/26/09) regarding TAT SI 08-01 Rev A Crankcase breather discharge tube inspection by visual inspection and cleaning of crankcase breather discharge tube. Next due: 521.5 ACTT. Complied with Cirrus Service Advisory 11-03 (5/11/11) regarding TAT SI 11-01 Exhaust Inspection Lubrication and SI 11-02 Fuel Pump Inspection, no defects noted. Next Due: 571.5 ACTT.

Complied with Inspection for Continued Airworthiness for the Tornado Alley Turbo, no defects noted. Complied with Tornado Alley Turbo 450 hour V-Band clamp change per replacement of Tornado Alley Turbo V-Band clamp 11-1100023. Replaced right turbo support with new style 22-6200039 per TAT SB 10-02 (22 January 2010). Replaced left turbo heat shield ETI-G3-20-25 and ETI-G3-20-32 with new.

*** Continued ***

Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003



Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE

Date: 8/11/2011; Aircraft: N869SM; Type: SR22; S/N: 2596; Hobbs: 471.5; Total Time: 471.5; Engine - Type: IO-550N46 Turbo STC, S/N: 691173, Time: 471.5; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 471.5
*** Continued ***

Complied with Inspection for Continued Airworthiness for the Precise Flight Oxygen System 12 month items, no defects noted. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 8/2012. ELT battery due 7/2012. Replaced #2 batteries 50979-001 with new. Replaced Gascolator seal NAS1523-8B with new. Resealed right brake caliper, replaced temperature stickers 51698-003 and p/n 51698-001 with new and bled brake system. Replaced landing light lens 17298-001 with new. Replaced pilot entry step anti-skid tape 12683-006 with new. Replaced left and right side exhaust grounding straps M83413/8-A008BB with new. Resealed right brake caliper, replaced temperature stickers 51698-003 and 51698-001 with new and bled brake system.

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Kevin K. Fenske
A&P2886592 IA

Kevin K. Fenske
A&P2886592 IA


Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003

Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

Date: 1/16/2012, Aircraft: N869SM, Type: SR22; S/N: 2596, Hobbs: 531.0; Total Time: 531.0; Engine - Type: IO-550N46 Turbo STC, S/N: 691173, Time: 531.0; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 531.0
Hobbs: 598.2 Hobbs: 531.0
Airframe Work

Completed an Annual inspection in accordance with FAR 43, Appendix D and Tornado Alley Turbo Service Manual. Complied with SB 2X-32-19R2 by visual inspection of NLG assembly, no defects noted. Next Due: 631.0 ACTT. Complied with Cirrus Service Advisory SA 10-02 (3/12/10) regarding TAT SB10-01 Alternate door inspection and TAT SB 10-02 Tail pipe inspection; no defects noted at this time. Next Due: 1/2013. Complied with Cirrus Service Advisory SA 11-03 (5/11/11) regarding TAT SI 11-01 Exhaust Inspection Lubrication and SI 11-02 Fuel Pump inspection no defects noted at this time. Next Due: 1/2013. Complied with Cirrus Service Advisory SA 11-07 (9/6/11) regarding TAT SI 11-03 Turbocharger Support Inspection and SB 11-04 and Oil Supply Inlet Screen, no defects noted at this time. Next Due: 1/2013. Current revision A10 added to the aircraft POH.

Replaced ELT battery 455-0012. Next replacement due date 3/2018. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted next due 1/2013. Complied with Inspection for Continued Airworthiness of Tornado Alley Turbo. Next Due: 631.0 ACTT or 1/2013. Complied with Inspection for Continued Airworthiness of Precise Flight Oxygen. Next Due: 1/2013. Replaced Gascolator seal NAS1523-8B with new.

Serviced new battery p/n G-243, s/n G02694285 with acid and charged in accordance with Gill Activation and Service instructions. Installed battery in aircraft. Ops checked good. Removed and sent DFC to Avidyne Corporation for upgraded. Installed DFC, p/n 700-00170-001, s/n M104624654, after modified by Avidyne Corporation, CRS# 1VAR161B, Wo# 9016776, dated 1/12/2012. Complied with Avidyne service bulletin 601-00083-026 IFD software version 9.2.4 Left IFD s/n M100793522 right IFD s/n M100893996.

Installed new TAT left side exhaust assembly p/n 22-6180001 per TAT Cirrus New Exhaust Installation Instructions 22-6460006 Rev. E. Replaced right brake caliper seals p/n M83461/1-222 with new. Replaced blue temp sticker p/n 51698-001 with new. Replaced yellow temp sticker p/n 51698-003 with new. Replaced left brake hose p/n 50555-072 with new. Bled brakes and serviced brake reservoir. Replaced nose gear Belleville spring washers p/n 51853-001 with new. Replaced nose gear thrust washer p/n 50545-001 with new. Replaced starter terminal boot p/n MS25171-2S with new. Replaced right and left door lower latches p/n 21889-001 RH and 21861-001 LH with new. Replaced TKS filter orings p/n 15164-092 with new. Removed light corrosion and cleaned, prepped and painted by left and right elevator tips. Cleaned, prepped and painted leading edge of vertical stabilizer. Serviced oxygen system to 2000 psi.

I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Doug Seibel
A&P389765035 IA

Doug Seibel 1A389765035

Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003



Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
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J.A. AIR CENTER
 Aurora Airport • Sugar Grove, IL 60554
 FAA Repair Station #NF2R029L

Type Cirrus SR22T
 S/N 2596
 N# 869SM

Description of work done:

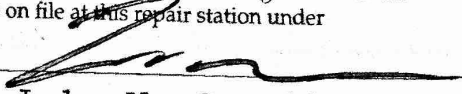
AIRFRAME LOG ENTRY

Removed Avidyne IFD5000 #1 (PFD) s/n: M100793522 and installed Avidyne warranty exchange IFD5000 s/n: M092254863. Setup and performed magnetometer calibration. Performed pitot/static check as required by FAR 91.411.

Final Test OK.

MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO 225384 Date 06 APR 2012 Tach/Hobbs 604.9 Signature 
LL Inspector (print) Luke W. Gomoll

1. Approving National Aviation Authority/Country: FAA/United States	2.	AUTHORIZED RELEASE CERTIFICATE FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG	3. Form Tracking Number: 9017231
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4. Organization Name and Address: Avidyne Corporation, 710 North Drive Melbourne FL 32934 (Phone: 321.751.8411 Fax:321.751.8435)	5. Work Order/Contract/Invoice Number: 9017231
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6. Item:	7. Description:	8. Part Number:	9. Eligibility: *	10. Quantity:	11. Serial/Batch Number:	12. Status/Work:
1	IFD	700-00083-000	N/A	1	M092254863	See block 13

13. Remarks:

1. Inspected and tested in accordance with Repair manual 600-00234-004rev00 sections 1-9, with full details held within Returned Material Authorization 9017231.
2. Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that order the component is considered ready for release to service under EASA.145.6138
3. This article has been tested and inspected and found to comply with appendix E of 14 CFR 43 and 630-00975-000rev01 in accordance with 14 CFR 91.411

14. Certifies the items identified above were manufactured in conformity to: <input type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 13.	19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> 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.
--	--

15. Authorized Signature:	16. Approval/Authorization No.:	20. Authorized Signature: <i>Maurice Shomgard Jr.</i>	21. Approval/Certificate No.: 1VAR161B
17. Name (Typed or Printed):	18. Date (m/d/y):	22. Name (Typed or Printed): Maurice Shomgard Jr.	23. Date (m/d/y): Mar/19/2012

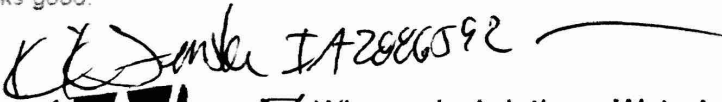

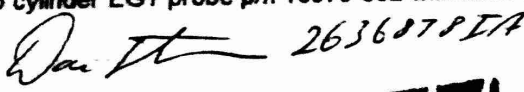

User/Installer Responsibilities

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 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.

INSPECTION RECORD F.A.R. 43.11-91.409

DATE			
5/25/2012	<p>Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 561.6; Total Time: 561.6 Hobbs: 637.1 Flight Hobbs: 561.6 ***Airframe Work*** Checked all IFD connections. Completed IFD Magnetometer Calibration procedures in accordance with Avidyne service manuals. Operational checks good. Kevin K Fenske A&P 2886592 IA</p>	 	<p><input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003</p> <p><input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567</p>
10/24/2012	<p>Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 601.0; Total Time: 601.0 Hobbs: 684.9 Flight Hobbs: 602.4 ***Airframe Work*** Replaced #5 cylinder EGT probe p/n 16579-002 with new. Ground run for operational checks good. Dan Stammen A&P 2636878 IA</p>	 	<p><input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003</p> <p><input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567</p>

INSPECTION RECORD

F.A.R. 43.11-91.409

AIRCRAFT TIME
IN SERVICE

KIND OF INSPECTION—STATUS & DISCREPANCY LIST
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

Date: 1/10/2013; Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 638.0; Total Time: 638.0; Engine - Type: IO-550N46 Turbo STC, S/N. 691173, Time: 638.0; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 638.0

Airframe Work

Completed an Annual inspection in accordance with FAR 43, Appendix D.

AD 12-10-52 (6/26/12) Turbocharger Center Housing Oil Passage inspection is not applicable by affected turbochargers not installed. AD 12-24-09 (12/20/12) Turbin Wheel Head and Shaft Weld Joint inspection is not applicable by engine model number not affected. Complied with Cirrus SB 2X-21-02R2 (6/20/12) per installation of the Fresh Air Inlet Duct insulation sleeve p/n 18892-003. Complied with SB 2X-21-05 (2/27/12) Cabin Air Coupler Actuator Rigging, no defects noted. Complied with SB 2X-32-19R3 Nose Landing Gear Assembly Inspection and Reinforcement by visual inspection, no defects noted. Next due 738.0 ACTT. Complied with Cirrus SB 2X-57-13R2 (7/31/12) Lower Landing Gear Attach Bracket Torque check, no defects noted. Complied with Cirrus Service Advisory 11-03 (5/11/11) regarding TAT SI 11-01 Exhaust inspection lubrication and SI 11-02 Fuel pump inspection, no defects noted. Complied with Cirrus Service Advisory SA 11-07 (9/6/11) with regards to TAT SI 11-03, turbocharger support inspection and SB 11-04, oil supply inlet screen inspection, no defects noted.

Complied with inspection for Continued Airworthiness of Tornado Alley Turbo, no defects noted. Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. next due 12/2013. ELT battery due 03/2013. Replaced right brake linings p/n 066-06200 with new. Reattached right brake line clipbond with two part 5 min epoxy. Replaced right brake caliper o-rings p/n M83461/1-222 with new. Replaced right brake blue over temp indicator p/n 51698-001 with new. Replaced right brake yellow over temp indicator p/n 51698-003 with new.

*** Continued ***


Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003



Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION—STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
		<p>Date: 1/10/2013; Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 638.0; Total Time: 638.0; Engine - Type: IO-550N46 Turbo STC, S/N: 691173, Time: 638.0; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 638.0</p> <p style="text-align: center;">*** Continued ***</p> <p>Replaced TKS feed shoe p/n15326-003 with new on prop blade s/n A0829. Replaced left horizontal stab fairing p/n 15308-001 with new. Replaced right horizontal stab fairing p/n 15308-002 with new. Purged all TKS panels per Cirrus Maintenance Manual, ops and leak checked good. Completed composite repair on left upper gear fairing per Chap. 51-20. Cleaned, prepped and painted left upper gear fairing. Completed composite repair on nose gear fairing forward cap per Chap. 51-20. Cleaned, prepped and painted nose gear fairing forward cap. Trimmed upper cowl for a better fit. Touched up paint on cowl and fuselage. Repositioned interior panel aft of co-pilot door. Ground run for operational and leak checks good.</p> <p>I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.</p> <p>Dan Stammen A&P 2636878 IA <i>Dan Stammen</i> 2636878 IA</p> <div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p><input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003</p> </div> <div style="width: 10%; text-align: center;">  </div> <div style="width: 45%;"> <p><input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567</p> </div> </div>

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION—STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
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J.A. AIR CENTER
Aurora Airport • Sugar Grove, IL 60554
FAA Repair Station #NF2R029L

Type SR22
S/N 2596
N# 869SM

Description of work done: **AIRFRAME LOG ENTRY**

Tested Altimeter(s), Altitude Reporting and Static System(s)
in accordance with Part 43, Appendix E for compliance with
FAR 91.411 and FAR 91.413.

Pilot Altimeter P/N	<u>IFD5000</u>	S/N	<u>M092254863</u>	Range	<u>25k</u>
Copilot Altimeter P/N	<u>IFD5000</u>	S/N	<u>M100893996</u>	Range	<u>25k</u>
Standby Alt PN/	<u>5934AD-3</u>	SN/	<u>462024</u>		<u>25k</u>

Transponder tested in accordance with Part 43, Appendix F
for compliance with FAR 91.413 this date.

Date	<u>12 Aug 13</u>	Make	<u>Garmin</u>	Model	<u>GTX327</u>	S/N	<u>83728725</u>
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MAINTENANCE RELEASE

The aircraft, airframe, engine, appliance, or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Agency and is approved for return to service. Pertinent details of the repair are on file at this repair station under

WO	<u>0901843M</u>	Date	<u>12 Aug 13</u>	Tach/Hobbs	<u>683.4</u>	Signature	
						Inspector (print)	<u>Doug Mall</u>

**J.A. Air Center
FAA Repair Station NF2RO29L**

ALTIMETER CALIBRATION

MFG United MODEL 5934AD-3 S/N 462024

SCALE ERROR		FRICTION		HYSTERESS	
ALT	ERROR	ALT	OFF		
1000	+20	1000	20		
0	0	2000	20	50%	10
500	0	3000	20		
1000	0	5000	40	40%	20
1500	0	10000	40		
2000	0	15000	50	AFTEREFFECT	0
3000	0	20000	60		
4000	0	25000	60	CASELEAK	0
6000	0	30000			
8000	-10	35000			
10000	-20	40000			
12000	-20	45000			
14000	-20				
16000	-30				
18000	-40				
20000	-40				
22000	-40				
25000	+10				
30000					
35000					
40000					
45000					
50000					

ALTIMETER TESTED IN ACCORDANCE WITH PART 43, APPENDIX 'E', TO COMPLY WITH FAR 91.411

DATE 12 Aug 2013

W.O. # 0901843M

INSP. *Dany Mall*

Virgin of Guadalupe (Mexico)

**J.A. Air Center
FAA Repair Station NF2RO29L**

ALTIMETER CALIBRATION

MFG AVIDYNE MODEL IFD 5000 S/N M092254863

SCALE ERROR		FRICTION		HYSTERESS	
ALT	ERROR	ALT	OFF		
1000	0	1000			
0	-10	2000		50%	0
500	0	3000			
1000	0	5000		40%	0
1500	0	10000			
2000	0	15000		AFTEREFFECT	0
3000	0	20000			
4000	0	25000		CASELEAK	0
6000	0	30000			
8000	0	35000			
10000	0	40000			
12000	0	45000			
14000	0				
16000	-10				
18000	-10				
20000	-30				
22000	-30				
25000	-40				
30000					
35000					
40000					
45000					
50000					

ALTIMETER TESTED IN ACCORDANCE WITH PART 43, APPENDIX 'E', TO COMPLY WITH FAR 91.411

DATE 12 Aug 2013

W.O. # 0901843M

INSP. *Dany Mall*

MAKE Cirrus
MODEL SR-22
S/N 2596
REG NO N869SM
WORK ORDER 1589-07-2013



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 13 August, 2013
A/C TSN: 683.4
TACH: 683.4

Airframe Entries

2 Fabricated and installed repairs as needed for left side top engine baffle rear attachment brackets.

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 1589-07-2013, Dated 13 August, 2013.

DATE: 13 August, 2013

SIGNED:
Don Morgan
Certified Repair Station No. NF2R029L

Work Order: 1589-07-2013

Printed by EBis 3 (datcomedia.com)

MAKE Cirrus
MODEL SR-22
S/N 2596
REG NO N869SM
WORK ORDER 1668-08-2013



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 13 August, 2013
A/C TSN: 683.4
TACH: 683.4

Airframe Entries

1 Installed new TIT probe p/n 86245. ground run operational check was satisfactory

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 1668-08-2013, Dated 13 August, 2013.

DATE: 13 August, 2013

SIGNED:
Don Morgan
Certified Repair Station No. NF2R029L

Work Order: 1668-08-2013

Printed by EBis 3 (datcomedia.com)

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
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December 17, 2013
 N869SM
 CONTINENTAL
 HARTZELL

CIRRUS SR22
 IO 550 N46
 PHC-J3YF-1N

S/N 2596
 S/N 691173
 S/N FP5902B

FLIGHT 699.7 Hrs
 FLIGHT 699.7 Hrs
 FLIGHT 699.7 Hrs

Hobbs 803.8 Hrs
 Hobbs 803.8 Hrs
 Hobbs 803.8 Hrs

Accessed aircraft and performed annual inspection as described in Cirrus MM and FAR 43. Replaced left wing fuel tank vent NACA duct with new, p/n 15306-001. Serviced wheel bearings, aired tires to proper pressure. Castor tension 23.5, removed, reinstalled and adjust castor tension to 31. Replaced both #2 batteries with new. ELT batteries due Mar 2018, tested satisfactory per FAR 91.207 D(1-4). Lubricated aircraft. Ground run performed. Leak check and operational check found satisfactory. Weight and Balance updated due to starter change from Skytec to Energizer. (Revision dated 12/17/13) Closed aircraft.

THIS AIRCRAFT ENGINE, PROPELLER COMBINATION WAS INSPECTED AND/OR WAS REPAIRED IN ACCORDANCE WITH CURRENT REGULATIONS OF THE FAA FOR AN ANNUAL INSPECTION AND A DISCREPANCY LIST PROVIDED TO THE OWNER.


JIM BARKER A&P/IA 2755069
 Hangar (715) 822 5787
 Cell (715) 491 1303
 Email jim@aviationvibes.com

AVIATION RESOURCES, LLC
 101 Airport Ave Hangar 7
 Cumberland, WI 54829
www.aviationvibes.com

Date: 1/08/2014; Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 701.0; Total Time: 701.0
Hobbs: 806.7 Flight Hobbs: 701.0

Airframe Work

Replaced CAPS system reef line cutters with new kit p/n 25347-002. Line cutters p/n 26707-001, s/n 5436 and 5442, Lot # 1 rrl 1213 and MFG date 12/13. Next Due: 12/2019.

Bobby Wangler
A&P 2702325 IA *Bobby Wangler AP2702325*

Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003



Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

Date: 1/28/2014; Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 701.0; Total Time: 701.0
Hobbs: 806.7 Flight Hobbs: 701.0

Airframe Work

Replaced right cabin window p/n 12414-004 with new. Replaced right brake o-rings p/n M83461/1-222 with new. Replaced right brake temp sensors p/n 51698-001 (blue) and p/n 51698-003 (yellow) with new.

Bobby Wangler
A&P 2702325 IA *Bobby Wangler AP2702325*



Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003



Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

INSPECTION RECORD

F.A.R. 43.11-91.409

	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
		<p>Date: 8/18/2014; Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 747.4; Total Time: 747.4 Hobbs: 855.5 Flight Hobbs: 747.4 *** Airframe Work *** Replaced TIT probe p/n ETI-G2-711-1 with new. Ground run for operational check good. Dan Stammen A&P 2636878 IA <i>Dan Stammen 2636878 IA</i></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003 </div> <div style="width: 10%; text-align: center;">  </div> <div style="width: 45%;"> <input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567 </div> </div>
		<p>Date: 10/22/2014; Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 790.3; Total Time: 790.3 Hobbs: 898.8 Flight Hobbs: 790.3 ***Airframe Work*** Removed EMA Controller and installed EMA Controller p/n 508358-421, LN 34558301. DOM A0614, A24JUN14-58. Operational check good. Bobby Wangler A&P 2702325 IA <i>Bobby Wangler A&P 2702325</i></p> <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003 </div> <div style="width: 10%; text-align: center;">  </div> <div style="width: 45%;"> <input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567 </div> </div>

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION—STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
------	--------------------------	--

Date: 1/22/2015; Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 791.7; Total Time: 791.7; Engine - Type: IO-550N46 Turbo STC, S/N: 691173, Time: 791.7; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 791.7

Hobbs: 900.2 Hobbs: 791.7

*****Airframe Work*****

Completed an Annual inspection in accordance with FAR 43, Appendix D and Tornado Alley Turbo Service Manual. AD 13-21-02 (11/13/13) Turbine Wheel Head and Shaft Weld Joint inspection is not applicable by engine model number is not affected. Complied with SB 2X-32-19R3 by visual inspection of NLG assembly, no defects noted. Next Due: 891.7 ACTT.

Cirrus Service Advisory 11-01 (3/21/11) Hartzell Engine Technologies Information Letter A-135 TCM Alternator 656802 Instructions for Continued Airworthiness Instructions complied with during alternator 500 hour inspection. Reinstalled alternator, p/n ES-10024, s/n H031797, after 500 Hr inspection by Aircraft Systems, Inc, CRS# KC2R947K, Wo# 49651, dated 12/30/2014. Complied with Cirrus Service Advisory 11-03R1 (12/17/12) regarding TAT SI 11-01 Exhaust Inspection Lubrication and SI 12-02 Fuel Pump Inspection, no defects noted. Complied with Cirrus Service Advisory 11-07 (9/6/11) with regards to TAT S111-03 Turbocharger support Inspection and SB 11-04, Oil Supply Inlet Screen Inspection, no defects noted.

Found Cirrus SA 13-03 in compliance per installation of stainless steel mixture & power levers. Complied with Cirrus SA 13-05 (8/26/13) Elevator Hinge Pin Inspection, no defects noted. Complied with Cirrus Service Advisory 13-09 (12/11/13) Regarding Avidyne Service Information Letter 606-00170-003 by placing a copy of Avidyne Service Information Letter 606-00170-003 in aircraft POH. Cirrus SA 14-02 R1 is not applicable by alternator mounted at rear of engine.

*** Continued ***

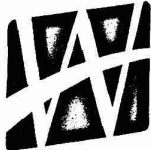
Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003



Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
		<p>Date: 1/22/2015; Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 791.7; Total Time: 791.7; Engine - Type: IO-550N46 Turbo STC, S/N: 691173, Time: 791.7; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 791.7</p> <p>*** Airframe Work *** *** Continued ***</p> <p>Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted. Next Due: 1/2016. ELT battery due 3/2018. Completed Inspection for Continued Airworthiness of Precise Flight Oxygen System 12 month items for items in aircraft except Pressure Calibration Check per Precise Flight ICA 2.4.7. Oxygen bottle hydrostatic test due 7/2015. Complied with Inspection for Continued Airworthiness of Tornado Alley Turbo System. Replaced TKS filter p/n 26115-101 with new.</p> <p>Reinstalled exhaust, #1 and #5 headers and right manifold after repair by Dawley Aviation, Inc, CRS# NJ5R069N, Wo# 111441, dated 1/5/2015. Re-torqued left tail pipe band clamp as needed & safetied. Replaced slave wastegate clevis pin p/n MS20392-1C13 with new. Isolated & resecured CHT #3 harness. Replaced right wastegate support bolt p/n MS21250-05020 with new. Replaced right side induction drain line p/n 643584 with new. Replaced both turbo support rod Teflon sleeves p/n 22-6200048 with new.</p> <p>Replaced right brake caliper o-rings p/n M83461/1-222 with new. Replaced brake temp stickers with p/n 51698-001 and 51698-003 with new. Replaced left and right brake linings p/n 066-06200 with new. Reattached left and right lower gear leg brake line mounts. Replaced right upper gear fairing clip p/n 13641-001 with new. Replaced nose gear flange bearing p/n 50543-001 and nose gear bearing p/n 50544-001 with new. Replaced nose gear spacer bushing p/n 103705-003 and nose gear bushings p/n NAS77-10-013 with new.</p> <p>I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.</p> <p>Dan Stammen A&P 2636878 IA</p> <div style="display: flex; justify-content: space-between; align-items: flex-start; margin-top: 10px;"> <div style="width: 45%;"> <p><input type="checkbox"/> Wisconsin Aviation - Madison 3606 Corben Court Madison, WI 53704 608-268-5003</p> </div> <div style="width: 10%; text-align: center;">  </div> <div style="width: 45%;"> <p><input checked="" type="checkbox"/> Wisconsin Aviation - Watertown 1741 River Drive Watertown, WI 53094 920-261-4567</p> </div> </div>

Date: 1/22/2015; Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 791.7; Total Time: 791.7; Engine - Type: IO-550N46 Turbo STC, S/N: 691173, Time: 791.7; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 791.7

Hobbs: 900.2 Hobbs: 791.7

Airframe Work

Completed Avidyne SB 601-00083-039 Rev 00, dated 7/28/2014, IFD Software Version 9.3.1 upgrade as follows: Reinstalled PFD ACR Blade p/n 710-00110-001, s/n M092355479 after modification to Rev: 01 SW Part: 9.3.1 by Avidyne Corporation CRS# 1VAR161B under RMA 9026599 dated 1/13/2015. Reinstalled MFD ACR Blade p/n 710-00110-001, s/n M100592534 after modification to Rev: 01 SW Part 9.3.1 by Avidyne Corporation CRS# 1VAR161B under RMA 9026600 dated 1/12/2015. Completed Avidyne R 9.3.1 upgrade by configuring IFD units as needed. Installed Flight Manual Supplement dated 7/21/2014 in P.O.H. Operational checks good.

Jeffery Paulsen
A&P 3709430

Jeffery Paulsen A&P 3709430

Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003



Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

MAKE Cirrus
MODEL SR-22
S/N 2596
REG NO N869SM
WORK ORDER 3766-03-2015



J.A. Air Center

Repair Station No. NF2R029L
43W730 US RT 30
Sugar Grove, Illinois 60554
Phone: 630.584.3200

DATE: 12 March, 2015
A/C TSN: 796.1
TACH: 796.1

Airframe Entries

1 Replaced left nav/strobe light assy P/N 01-0790006-03 after installing new connectors. Reconnected all electrical shielding and bonding straps. Tested for proper operation. Touched up red paint as needed.

Maintenance Release

The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 3766-03-2015, Dated 12 March, 2015.

DATE: 12 March, 2015

SIGNED:

Bruce Rebechini
Bruce Rebechini
Certified Repair Station No. NF2R029L

Work Order: 3766-03-2015

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1. Approving Civil Aviation Authority / Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG			3. Form Tracking Number: 4524772	
4. Organization Name and Address: Cessna Aircraft Company (PC4) Cessna Parts Distribution Dept. 702 5800 E Pawnee, Wichita, KS 67218				5. Work Order/Contract/Invoice Number: 143975		
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:	
1	WING POS/S	01-0790006-03	1	N/A	New	
12. Remarks: NO MESSAGE REQUIRED						
PO# 60-5795						
13a. Certifies the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> 14 CFR 43.9 Return to Service <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 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.			
13b. Authorized Signature: <i>Marilyn K. Farber</i>		13c. Approval/Authorization No.: ODA-100129-CE		14b. Authorized Signature:		14c. Approval/Certificate No.:
13d. Name (Typed or Printed): MARILYN K. FARBER		13e. Date (dd/mmm/yyyy): 09/MAR/2015		14d. Name (Typed or Printed):		14e. Date (dd/mmm/yyyy):
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 the user/installer before the aircraft may be flown.						

FORM 1
 4524772
 01-0790006-03
 N/A
 WING POS/S
 QTY: 1
 U/M: EA

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION—STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

ENGINE MODEL: IO-550-N(46)
 ENGINE S/N: 691173
 REG NO: N869SM
 WORK ORDER: 4129-06-2015



J.A. Air Center
 Repair Station No. NF2R029L
 43W730 US RT 30
 Sugar Grove, Illinois 60554
 Phone: 630.584.3200

DATE: 11 June, 2015
 A/C TSN: 8192
 ENG TT: 8192
 TSMOH:
 TACH: 8192

Log Entries

- Removed the LH waste gate and APC turbo controller and sent to Approved Turbo Components CRS No. U5AR184Y for test and overhaul. Reinstalled overhauled turbocharger controller P/N 470655-005 S/N MN00126 and left "master" waste gate P/N 470842-0004 S/N NBN00120 ref 8130-3's No. 34841 and 34842.
 Adjusted slave waste gate as per Tornado Alley Turbo Report 22-6460007 for proper synchronized closing.
 Ground and flight tested and found operation normal.

Maintenance Release
 The aircraft, engine, appliance or component identified was repaired and inspected in accordance with current regulations of the Federal Aviation Administration and was found Airworthy for return to service. Pertinent details of the repair are on file at this repair station CRS NF2R029L and EASA.145.5424 under Work Order No. 4129-06-2015, Dated 11 June, 2015.

DATE: 11 June, 2015

SIGNED:

Bruce Rebechini
 Certified Repair Station No. NF2R029L

Work Order: 4129-06-2015
 Printed by EBis 3 (datamedia.com)

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE _____ AIRCRAFT TIME IN SERVICE _____ KIND OF INSPECTION—STATUS & DISCREPANCY LIST
 SIGNATURE _____ CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE _____

ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

N869SM

Wisconsin Aviation—Four Lakes Inc.
 FAA CRS No. DBKR124D

#1 ADC
 Madison, WI 53704

608-268-5006

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER MAKE: AVIDYNE MODEL: IFD5000 S/N: M092254863		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	34	50% Max	0			
Actual ± Ft.	0	0	0	X	X	X	X	X	Temp C	20	40% Max	0			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (25) THOUSAND FEET.
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: GARMIN MODEL: GTX327 S/N: 83728725

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 2/9/16 W.O.: AV16-14533 Hobbs: 857.2 Signed:

BLIND ENCODER

MAKE: ACK
 MODEL: A-30
 S/N: 106687

#2 TRANSPONDER

MAKE: X
 MODEL: X
 S/N: X

INSPECTION RECORD F.A.R. 43.11-91.409

KIND OF INSPECTION—STATUS & DISCREPANCY LIST
SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

DATE

AIRCRAFT TIME
IN SERVICE

ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

N869SM

#2 ADC

Madison, WI 53704

608-268-5006

Wisconsin Aviation - Four Lakes Inc.
FAA CRS No. DBKR124D

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	-5	-5	-5	-5	-5	-5	-5	-5	-5	-10	-10	-10	-10	-10	-10
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER MAKE: AVIDYNE MODEL: IFD5000 S/N: M100893996		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	34	50% Max	5			
Actual ± Ft.	-15	-15	-20	X	X	X	X	X	Temp C	20	40% Max	5			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (25) THOUSAND FEET.
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

TRANSPONDER MAKE: GARMIN MODEL: GTX327 S/N: 83728725

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

Date: 2/09/16

W.O.: AV16-14533

Hobbs: 857.2

Signed:

BLIND ENCODER

MAKE: ACK
MODEL: A-30
S/N: 106687

#2 TRANSPONDER

MAKE: X
MODEL: X
S/N: X

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION—STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
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ALTIMETER, STATIC, AND TRANPONDER CERTIFICATE

N869SM

STBY ALT.

Madison, WI 53704

Wisconsin Aviation - Four Lakes Inc.
FAA CRS No. DBKR124D

608-268-5006

Test Alt. x 1k Ft	-1	0	.5	1	1.5	2	3	4	6	8	10	12	14	16	18
Tol. ± Ft.	20	20	20	20	25	30	30	35	40	60	80	90	100	110	120
Actual ± Ft.	-20	-20	-20	-10	-10	-5	-5	-10	-15	-25	-35	-35	-40	-50	-45
Test Alt. x 1k Ft	20	22	25	30	35	40	45	50	Case Leak	OK	Hysteresis Tol + 75 Ft.		ALTIMETER MAKE: UNITED MODEL: 5934AD-3 S/N: 462024		
Tol. ± Ft.	130	140	155	180	205	230	255	260	Tol. 100 Ft	34	50% Max	30			
Actual ± Ft.	-35	-15	-10	X	X	X	X	X	Temp C	20	40% Max	30			

CERTIFIED STATIC PRESSURE SYSTEM PER FAR 43 APP. E (a)
 CERTIFIED ALTIMETER PER FAR 43 APP. E. (b) TO (25) THOUSAND FEET.
 CERTIFIED AUTOMATIC PRESSURE ALTITUDE REPORTING EQUIPMENT PER FAR 43 APP. E (c).
 COMPLIED WITH RECORDS KEEPING PER FAR 43 APP. E (d).
 CERTIFIED TRANSPONDER SYSTEM PER FAR 43 APP. F.

BLIND ENCODER

MAKE: ACK
MODEL: A-30
S/N: 106687

TRANSPONDER MAKE: GARMIN MODEL: GTX327 S/N: 83728725

#2 TRANSPONDER

The aircraft and/or component identified hereon was repaired and inspected in accordance with the current maintenance rules of the Federal Aviation Regulations and is airworthy and approved for return to service.

MAKE: X
MODEL: X
S/N: X

Date: 2/09/16 W.O.: AV16-14533 Hobbs: 857.2 Signed: *[Signature]*

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST
		SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE

Date: 2/22/2016; Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 857.1; Total Time: 857.1; Engine - Type: IO-550N46 Turbo STC, S/N: 691173, Time: 857.1; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 857.1

Hobbs: 965.5 Hobbs: 857.1

*** Airframe Work ***

Completed an Annual inspection in accordance with FAR 43, Appendix D and Tomado Alley Turbo Service Manual.

Complied with Avidyne R9 AD 2015-10-51 (6/1/15) AFM, Final Approach Course Lateral Deviations by placing a copy of AD 2015-10-51 in the "Limitations" Section of the aircraft POH. The limitations per AD 2015-10-51 are as follows: "Flying a full procedure (non Vector-to-Final) GPS approach, with a course change at the Final Approach Fix (FAF), is prohibited. "Flying a GPS approach, with a Direct-To or with an Omni-Bearing Selector (OBS) leg to the FAF, is prohibited." Complied with Cirrus SB 2X-28-12R1 (8/19/15) Electric Fuel Pump Inspection by functional test I.A.W Temporary Revision 22AMM TR 28-20-01, no defects noted. Copy of POH Temporary Revision TR 15-27 put in POH. Complied with Cirrus SB2X-32-19R3 (6/28/12) Nose Landing Gear Inspection, no defects noted.

Inspected and tested ELT in accordance with FAR 91.207(d), no defects noted, next due 2/2017. 15-Digit HEX ID: ADCC4 042A4 00261. Country Code: 366. ELT battery due MAR/2018. Battery p/n 452-6504. Complied with Instructions for Continued Airworthiness Tomado Alley, no defects noted. Complied with Instructions for Continued Airworthiness Precise Flight Oxygen System, no defects noted. Reinstalled oxygen bottle, p/n 102N0100-1, s/n HPR100342 / 2024 and regulator, after overhaul by Precise Flight, Inc, CRS# 6PCR620B, Wo# 92688, dated 2/16/2016.

*** Continued ***

Wisconsin Aviation - Madison
3606 Corben Court
Madison, WI 53704
608-268-5003



Wisconsin Aviation - Watertown
1741 River Drive
Watertown, WI 53094
920-261-4567

INSPECTION RECORD

F.A.R. 43.11-91.409

DATE	AIRCRAFT TIME IN SERVICE	KIND OF INSPECTION-STATUS & DISCREPANCY LIST SIGNATURE — CERT. NO. OF PERSON APPROVING OR DISAPPROVING AIRCRAFT FOR SERVICE
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Date: 2/22/2016; Aircraft: N869SM; Type: CIRRUS SR22; S/N: 2596; Hobbs: 857.1; Total Time: 857.1; Engine - Type: IO-550N46 Turbo STC, S/N: 691173, Time: 857.1; Prop - Type: PHC-J3YF-1N, S/N: FP5902B, Time: 857.1

*** Airframe Work ***

*** Continued ***

Complied with Cirrus SA11-01 (3/21/11) Alternator Inspection, no defects noted. Kelley Aerospace p/n ES-10024, s/n H031797. Complied with Cirrus SA11-03 R1 (12/17/12) Exhaust Inspection, no defects noted. Complied with Cirrus SA11-07 (9/6/11) Turbo Support & Oil Screen inspection. Replaced left turbo support rod wear sleeve p/n 22-6200048 with new.

Complied with Tomado Alley Turbo 400 hour V-Band Clamp Replacement by installation of new v-band clamps p/n 11-1100023, s/n 1731152 on left side and p/n 11-1100023, s/n 330142 on right side. Serviced new battery p/n G243, s/n G02894670 with acid and charged in accordance with Gill Activation and Service instructions. Installed battery in aircraft. Upgraded Avidyne system from R9.3.1 to R9.3.3. Replaced #2 batteries p/n 50979-001 with new. Next due ACTT 1357.1 or 2/2018.

Replaced both left and right brake caliper over-temp indicators p/n 51698-001 and p/n 51698-003 with new. Also replaced all brake orings with new. Replaced left and right brake discs p/n164-02504 with new. Replaced left and right brake linings p/n 066-06200 with new. Replaced left and right brake caliper shims p/n 068-01100 with new. Replaced left main tire with new, p/n 156E66-4, s/n 53122350. Cleaned, inspected and repacked wheel bearings. Reinstalled wheel and tire assembly. Replaced right main tire with new, p/n 156E66-4, s/n 52562250. Cleaned, inspected and repacked wheel bearings. Reinstalled wheel and tire assembly. Completed composite repair on right upper main strut fairing per Chap. 51-20.

Replaced foil heat shielding in bottom of cowl as required. Patched left rear outboard corner of engine baffle at oil cooler area as required. Replaced aft bottom cowl nose strut close-out panel p/n 20665-003 with new. Replaced right upper main gear fairing anti-chafe tape as required. Replaced right step anti-skid tape p/n 12683-006 with new. Installed Velcro to pilot and copilot carpet floor area to secure carpet.

Ground run for operational and leak checks good. I certify that this aircraft has been inspected in accordance with an Annual inspection and was determined to be in airworthy condition.

Jon Weigand
A&P 3678294 IA

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