

HARTZELL

PROPELLER LOGBOOK

PROPELLER MODEL PHC-554F-1LE/F7693 DFB

PROPELLER S/N FP33128

LOGBOOK # 1

THIS SERVICE RECORD shall accompany the propeller equipment at all times. When equipment is installed as part of an Aircraft or engine, this record shall be maintained concurrently with and become part of the Aircraft and Engine Service Records.

PROPELLER MAINTENANCE RECORD

Position One

PITCH RANGE

Propeller Model PHC-T34F-2RF/F7693DFB

High/Feather _____

Propeller S/N FP3212B

Start Lock _____

Blade Design F7693DFB

Low _____

Blade S/N's

Reverse _____

No. 1 K12659

No. 2 K12655

Aircraft Manufacturer CIRRUS DESIGN

No. 3 K12660

Aircraft Model SR-22

No. 4 _____


S/N 1221

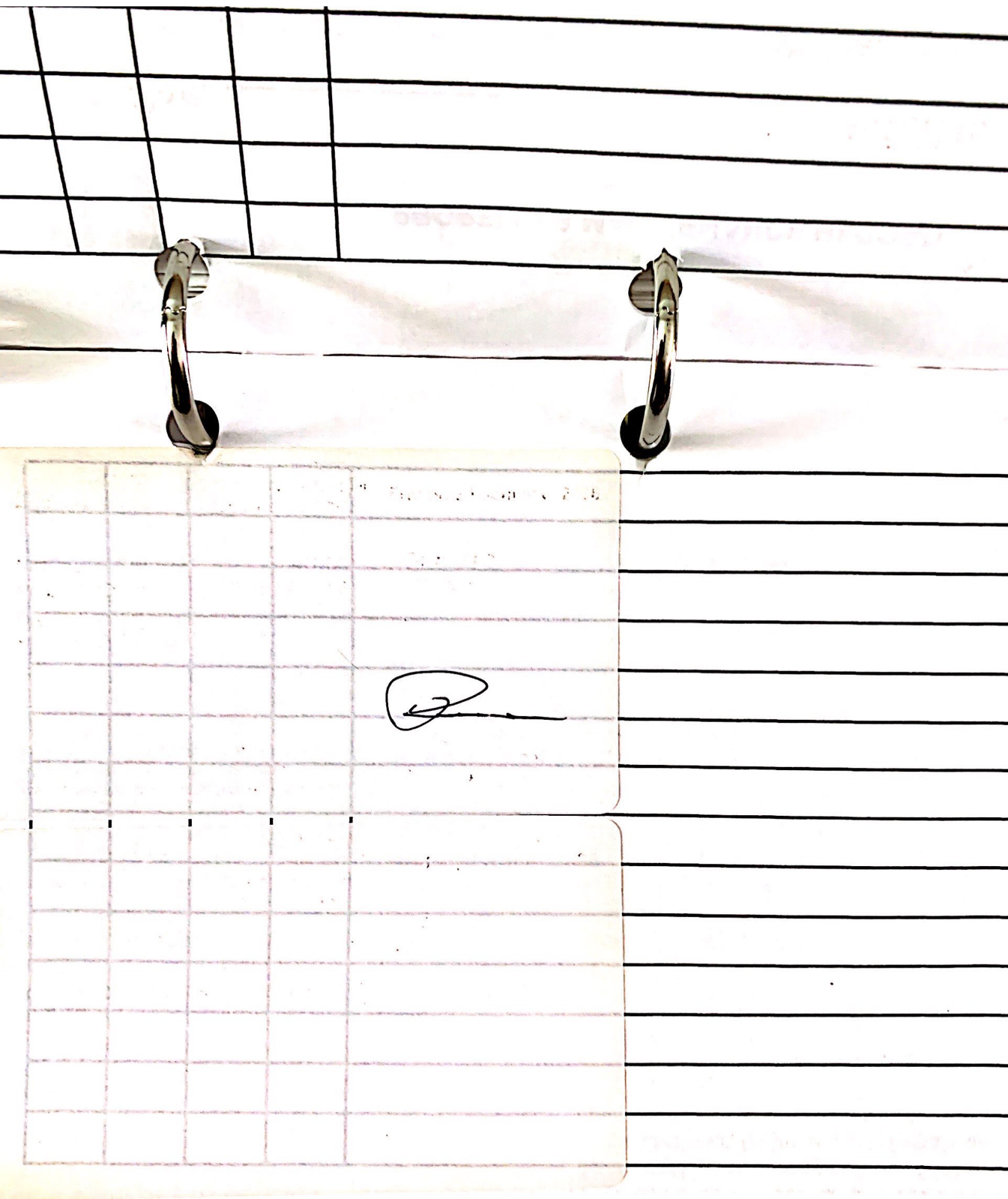
No. 5 _____

Registration N125BR

No. 6 _____

Spinner Assembly Part No. _____

Propeller SN TSO		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
0.0	N/R	0.1	<p>I have Dynamically Balanced Propeller IAW Hartzell Propeller Owner's Manual 115N Rev. 10 dated Nov/03 Section: 61-00-15 on <u>11-29-09</u> (DATE). The location of the Weight(s) are <u>70°, 310</u> degree And are <u>10.8, 8.6</u> gram(s)</p> <p><u><i>Don Peters</i></u>  (Sign/Stamp) Cirrus Design Corporation, PC 338CE</p>



Propeller TSN TSO	A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
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Southeast Aero Services, Inc. 800-692-2091
CIRRUS SR22 SN# 1221 N125BR

DATE APRIL 25 2007

PROP LOG

Total Time: 177.5

Hartzell

Completed an Annual Inspection in accordance with Cirrus SR22 Maintenance Manual Chapters 5-10, 5-20 & 5-30 and manufacturer's instructions.

Lubricated propeller hub per Hartzell maintenance instructions.

Dressed blades as required.

No propeller AD's due at this time. See AD compliance list for additional details.

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft, frame, aircraft engine, propeller, or appliance identified was repaired/ inspected in accordance with the requirements of a annual inspection, found airworthy, and is approved for return to service this date and time.

pertinent details of repairs on file with South East Aero

TOM COOPER A&P, IA 590195508

w/o # 14037

1 June, 2009. N125BR. S/N 1221. Hobbs 263.7 Prop TSN 263.7 Hrs.
"I certify that this propeller has been inspected in accordance with an Annual Inspection and was
inspected to be in an Airworthy Condition." End Vidar Einarsson AP266850180IA
AP266850180 IA

I have reviewed the file on this aircraft and the accompanying discrepancy forms. The aircraft engine, propeller, or appliance identified was repaired/inspected in accordance with the requirements of a annual inspection, found airworthy, and is approved for return to service this date. Details of repairs on file with South East Aero

TOM COOPER A&P, IA 590195508

w/o # 14037

1 June, 2009. N125BR. S/N 1221. Hobbs 263.7 Prop TSN 263.7 Hrs.

"I certify that this propeller has been inspected in accordance with an Annual Inspection and was determined to be in an Airworthy Condition." End Vidar Einarsson AP266850180IA

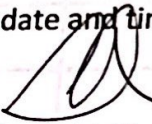

Vidar Einarsson AP266850180 IA

07-12-2012 N125BR HM:566.3 PTT:566.3 TSN:566.3

Removed spinner, inspected and service propeller in accordance with Hartzell Service Instructions. ADs checked for compliance, see compliance list for this date.

I certify that this propeller has been inspected in accordance with FAR 43, Appendix D, and manufacturers recommendations for ANNUAL inspection and has been found airworthy this date and time.

Amos T. Akerman
Amos T. Akerman A&P 2862556 IA

Date	Propeller		A/C Hrs	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.
	TSN	TSO		
08-14-2013	N125BR	HM:741.9 PTT:741.9 TSN:741.9		Removed spinner, inspected and serviced propeller in accordance with Hartzell Service Instructions. ADs checked for compliance, see compliance checklist for this date. I certify that this propeller has been inspected in accordance with FAR 43, Appendix D, and manufacturers recommendations for ANNUAL inspection and has been found airworthy this date and time.
				 Amos T. Akerman A&P 2862556 IA
				AKERMAN AVIATION 1321 APOPKA AIRPORT RD. • HANGER 54 • APOPKA, FL 32712
09-08-2014	N125BR	HM:0771.4 PTT:0771.4 SMOH:0771.4		Removed spinner, inspected propeller and all related mounting hardware and installation. Recommended to owner/operator that deice slinger boots be replaced. Deferred at this time. ADs checked for compliance, see compliance checklist for this date. I certify that this propeller has been inspected in accordance with FAR 43, Appendix D and manufacturers recommendations for ANNUAL inspection and has been found airworthy this date and time.
				 Amos T. Akerman A&P 2862556 IA

LEADING EDGE

AVIATION SERVICES, INC.

Tampa, FL



AUTHORIZED SERVICE CENTER

1/04/2016; Aircraft: N125BR; Type: CIRRUS; S/N: 1221; Hobbs: 777.2; Total Time: 777.2; Prop - Type: PHC-J3YF-1RF, S/N: FP3312B,

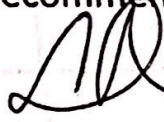
09-08-2014 N125BR HM:0771.4 PTT:0771.4 SMOH:0771.4

Removed spinner, inspected propeller and all related mounting hardware and installation

Recommended to owner/operator that deice slinger boots be replaced. Deferred at this time.

ADs checked for compliance, see compliance checklist for this date.

I certify that this propeller has been inspected in accordance with FAR 43, Appendix D and all
recommendations for ANNUAL inspection and has been found airworthy this date and time.



Amos T. Akerman A&P 2862556 IA

LEADING EDGE

AVIATION SERVICES, INC.

Tampa, FL



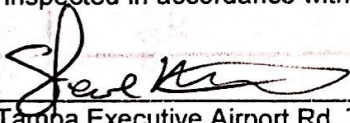
AUTHORIZED SERVICE CENTER

Date: 1/04/2016; Aircraft: N125BR; Type: CIRRUS; S/N: 1221; Hobbs: 777.2; Total Time: 777.2; Prop - Type: PHC-J3YF-1RF, S/N: 1221; Time: 777.2, SMOH: 777.2

- Complied with Cirrus 100 hour inspection checklist.
- Inspected Propeller for cracks, leaks, and abrasions.
- Dressed leading edges of blades as required and lubricated hub.
- Verified AD compliance through Bi-weekly issue 2015-24.

I certify this propeller has been inspected in accordance with a 100hour inspection with reference to Cirrus AMM and is found to be in good condition at this time.

Steve Miller



A&P 2700197IA

6530 Tampa Executive Airport Rd. Tampa, FL 33610
Tampa Executive Airport (KVDF) 813-621-7476

Scanned with CamScanner

- ☐ Approved design data and are in a condition for safe operation.
☐ Non-approved design data 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:

13c. Approval Authorization No:

13d. Authorized Signature:

14c. Approval/Certificate No:

T4ZR741Y

13d. Name (Typed or Printed):

13e. Date (m/d/y):

14d. Name (Typed or Printed):

14e. Date (m/d/y):

Arthur J Michaud

9/30/2015

User/Installer Responsibilities

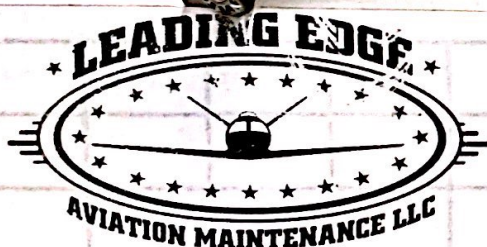
It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article

When 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 regulation by the user/installer before the aircraft may be flown.

FAA Form 8130-3 (02-14)

HSN:9063-00-012-0005



Leading Edge Aviation Maintenance LLC.

Lakeland Linder Regional Airport (KLAL)

3760 Airfield Drive West WWW.LEADINGEDGEAVIATION.COM

Lakeland FL 33811

813-621-7476

Date: 1/18/2017; Aircraft: N125BR; Type: CIRRUS; S/N: 1221; Hobbs: 793.9; Total Time: 793.9; Engine - Type: IO-550-N(27), S/N: 917451, Time: 793.9; Prop - Type: PHC-J3YF-1RF, S/N: FP3312B, Time: 793.9

-Complied with Cirrus Annual inspection checklist.

-Prop removed from airframe S/N 1221 for O/H-- 12/28/16 -- Reinstalled Prop P/N PHC- J3YF-1RF S/N FP3312B on airframe S/N 1221 after overhaul. refer to Work order # APW8339 in prop log book for details of O/H-Complied with Cirrus 100hr inspection checklist.

-Verified AD compliance through Bi-weekly issue 2016-24

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Jonathan Coradin

A&P 3502686IA

Propeller TSN	TSO	A/C Hrs
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Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.

1. Approving Civil Aviation Authority/Country: FAA/UNITED STATES		2. AUTHORIZED RELEASE CERTIFICATE <small>FAA FORM 8130-3, AIRWORTHINESS APPROVAL TAG</small>		3. Form Tracking Number: APW8339	
4. Organization Name and Address: Aircraft Propeller Works, Inc. 506 Charlotte Road, Auburndale, FL 33823				5. Work Order/Contract/Invoice Number: APW8339	
6. Item:	7. Description:	8. Part Number:	9. Quantity:	10. Serial Number:	11. Status/Work:
1	Aircraft Propeller	PHC-JSYF-1RF F7693DF	1	FP3312B	Overhauled
12. Remarks: This Hartzell Propeller overhauled in accordance with Hartzell manuals 202A, 113B and 133C. Complied with SB-61-118F Rev.1, SB-61-136 Rev.1 and SL-61-217. No AD's apply to this propeller at this time. TTSN: Unknown TSO: 00.0 Blade serial numbers: 1.K12660 2.K12655 3.K12659					
13a. 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 12			14a. <input checked="" 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 item is approved for return to service.		
13b. Authorized Signature:		13c. Approval Authorization No:		14b. Authorized Signature:	
13d. Name (Typed or Printed):		13e. Date (m/d/y):		14c. Approval Certificate No: T4ZR741Y	
				14d. Date (m/d/y): 1/12/2017	
User/Installer Responsibilities					
<p>It is important to understand that the existence of this document alone does not automatically constitute authority to install the aircraft engine/propeller/article.</p> <p>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.</p> <p>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 regulation by the user/installer before the aircraft may be flown.</p>					

FAA Form 8130-3 (02-14)

NSN 0002-00-012-8005

Blade serial numbers: 1 K12060 2 K12055 3 K12050

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

14a. ☒ 14 CFR 43.9 Return to Service ☐ 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: *Stanley E Collins*
 13c. Approval Authorization No.:
 13d. Name (Typed or Printed): Stanley E Collins
 13e. Date (month): 1/12/2017

14b. Approval/Certificate No.: T4ZR741Y
 14c. Date (month): 1/12/2017

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/rotor.

Where the user/installer performs work in accordance with the national regulations of an airworthiness authority different than the airworthiness authority of the country specified in Block 1 it is essential that the user/installer ensure that his/her airworthiness authority accepts aircraft engine(s)/propeller(s)/rotor(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 regulation by the user/installer before the aircraft may be flown.

PAA Form 0130-5 (02-14) RSH-0092-00-013-0006

SO#	18-24537	SILVERHAWK AVIATION INC.				DATE	01/26/18
REG.	N125BR	Lincoln Municipal Airport [LNK]				TACH	882.0
MAKE	Hartzell	MODEL	PHC-J3YF-1RF	SERIAL	FP3312B	ACTT	882.0
	Propeller	PTT	882.0	PTSOH	88.1		

Maintenance Record Propeller

1. Complied with Annual Inspection reference the Cirrus SR22 AMM, Chapters 5-20 and 5-30. Performed engine/propeller ground run performance and leak check with no discrepancies noted at this time.
2. Complied with 100 hour/12 month propeller lubrication schedule. Lubed propeller with Aeroshell #6 grease. Reference the propeller hub placard and the Hartzell Propeller Owner's Manual No. 115N (Rev 12), Section 8, Page 6-5.
3. Complied with 100 / 200 / 300 hour lubrication reference Cirrus SR22 AMM, Chapter 5-20.
4. Performed dynamic balancing of engine propeller. Was able to obtain .05 ips of vibration with 27.95 grams of permanent weight at 60° and 41.6 grams at 35°. Reference ACES Systems Guide to Propeller Balancing Publication 1000-OM-01 (Rev 2) dated JUN 1996.

I certify this (aircraft) (engine) (propeller) has been inspected in accordance with an Annual inspection as per 14 CFR 91.409 (a)(1) and was determined to be in an airworthy condition.

Dated: January 26, 2018 W.O. 18-24537

Signed: *Stanley E Collins* for

Silverhawk Aviation Inc. CRS # YQSR759U
 Lincoln, NE 68524

Propeller		A/C	Description of all operations pertaining to Airworthiness Directives, Service Documents, Overhaul, Major or Minor Repair, and Inspections.				
TSN	TSO	Hrs					
SO#	19-26689		SILVERHAWK AVIATION INC.			DATE	3/8/19
REG.	N125BR		Lincoln Municipal Airport [LNK]			HOUR	1109.7
MAKE	Hartzell	MODEL	PHC-J3YF-1RF	SERIAL	FP3312B	ACTT	1109.7
	Propeller	PTT	1109.7	PTSOH	315.8		

Maintenance Record Propeller

1. Complied with Annual Inspection. Work accomplished in reference to Cirrus SR22AMM, Ch. 5-20.
2. Performed 100 hour lubrication in reference to Cirrus SR22 maintenance manual 12-20. Next inspection due: 12 calendar months or 1209.7hr.
3. Performed 100hr/Annual lubrication of Propeller Hub in reference to Cirrus SR22 maintenance manual 12-20. Next inspection due: 12 calendar months or 1209.7 hr.
4. Lightly blended all 3 propeller blades. Reference cirrus SR22 maintenance manual 61-10 and Hartzell component maintenance manual 61-16-27.
5. Complied with propeller balance. Balanced propeller with ACES Model 2020HR Turbo Prop balancer analyzer to 0.04 IPS and installed permanent weights of 20.7 grams at 165 degrees and 23.6 grams at 195 degrees. Reference the ACES Systems Guide To Propeller Balancing 1000-OM-01 Revision 2.0 dated June 1996 and the ACES Systems Model 2020 Prop balancer Analyzer user manual Doc. number 2020-OM-01 Revision 5 dated August 2012.

I certify this (aircraft) (engine) (propeller) has been inspected in accordance with an Annual inspection as per 14 CFR 91.409 (a) (1) and was determined to be in an airworthy condition.

Dated: March 8, 2019 W.O. 19-26689

Signed: [Signature] for

Silverhawk Aviation Inc. CRS # YQSR759U
Lincoln, NE 68524

Fixed Wing Aviation Maintenance
Regional Airport (KI AI)

- 4, Lightly blended all 3 propeller blades. Reference cirrus SR22 maintenance manual 61-10 and Hartzell component maintenance manual 61-16-27.
- 5, Complied with propeller balance. Balanced propeller with ACES Model 2020HR Turbo Prop balancer analyzer to 0.04 IPS and installed permanent weights of 20.7 grams at 165 degrees and 23.6 grams at 195 degrees. Reference the ACES Systems Guide To Propeller Balancing 1000-OM-01 Revision 2.0 dated June 1996 and the ACES Systems Model 2020 Prop balancer Analyzer user manual Doc. number 2020-OM-01 Revision 5 dated August 2012.
- I certify this (aircraft) (engine) (propeller) has been inspected in accordance with an Annual inspection as per 14 CFR 91.409 (a)(1) and was determined to be in an airworthy condition.

Dated: March 8, 2019 W.O. 19-26689

Signed: [Signature] for

Silverhawk Aviation Inc. CRS # YQSR759U
Lincoln, NE 68524



Fixed Wing Aviation Maintenance

Lakeland Linder Regional Airport (KLAL)

3760 Airfield Drive West WWW.FIXEDWINGAVIATION.COM

Lakeland FL 33811

863-606-5757

Date: 5/13/2020; Aircraft: N125BR; Type: CIRRUS; S/N: 1221; Hobbs: 1213.1; Total Time: 1213.1; Engine - Type: IO-550-N(27), S/N: 917451, Time: 1213.1; Prop - Type: PHC-J3YF-1RF, S/N: FP3312B, Time: 1213.1, SMOH: 1213.1

-Complied with Cirrus 100 hour inspection checklist.

-Verified AD compliance through bi-weekly issue 2020-09 Refer to AD note compliance record for reference to Method of compliance. The following AD's have been verified: AD 2002-09-08: Superseded.

-Inspected Propeller for cracks, leaks, and abrasions.

-Lubricated hub as required.

-Verified AD compliance through Bi-weekly issue 2020-09. Refer to AD note compliance record for reference to Method of compliance.

-I certify that this propeller has been inspected in accordance with a 100hr inspection and has been determined to be in airworthy condition at this time.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Jacob Johnson

[Signature] A&P 3855457IA

Run: 8/27/2019
12:12PM

Fixed Wing Aviation Maintenance Aircraft Weight & Balance Report

Page: 1

Aircraft: N125BR Type: CIRRUS S/N: 1221
Model: SR22
Prior Empty Weight: 2,328.0 As Of: 1/18/2017 Prior Useful Load: 1,072.0
Prior Longitudinal Moment: 323,245.5770 Arm: 138.8500

Items Removed:

Date	Description	Weight	Arm	Longitudinal Moment
8/27/2019	Alt #1 (60 Amp)	11.52	61.8000	711.9360
Total of Items Removed:		11.52		711.9360

Items Installed:

Date	Description	Weight	Arm	Longitudinal Moment
8/27/2019	Alt #1 (150 Amp)	13.09	61.8000	808.9620
8/27/2019	KATS-14-003 Air Conditioning	52.00	241.8000	12,573.6000
Total of Items Installed:		65.09		13,382.5620


New Final Figures:

Weight: 2,381.59 Useful Load: 1,018.41
Longitudinal Moment: 335,916.2030 Arm: 141.0470

Date: 8/27/2019, A/C: N125BR, Model: SR22, S/N: 1221, Type: CIRRUS
Hobbs: 793.90, Total: 793.90

Removed: Alt #1 (60 Amp)
Installed: Alt #1 (150 Amp), KATS-14-003 Air Conditioning

Installations and removals listed above have been performed in accordance with manufacturer's specs. Aircraft is approved for return to service.

Technician Signature  Date: 8/27/19