Hartzell Propeller Manual No. 115 N

-RIGHT-ENGINE Hub Blade Diam LBS. Hub Blade No. WEIGHT INSPECTION PROPEL No. BLADE No. No. NUMBERS 4 NC. High\_ Feathe HIDIM 5 Govern CODE NO

Hartzell Propeller Manual No. 115 N

ATE	TACH		TION OF WORK		SIGNATURE
24/00	-0-	Install on E	ngive Tem To	360 ES	
20		SN 357153	AKN128D	Cirrus	Desan Corp
		6100 S. Stockto	Lindbergh St. on, CA 95206 983-8082		
DERMI THE LT	g. #: 145CD	Tach: 191.4	Date: 5/10/00	AFTT:	
		hr inspection IAW	The state of the s	war and the second	
- Dre	essed blade	leading edges and	Cirrus SR20 inspi painted faces.		
100	ertify that this	s PROPELLER is	airworthy with resp	ect to the	work
	rformed.	the state of the s	in the manager of the last		
- 25	n		1		U -
/	Man	66531421 IA	3		
V	lafk Rouch 56	56531421 IA			
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### Hartzell Propeller

Manual No. 115 N

#### DESCRIPTION OF ALL OPERATIONS PERTAINING TO AIRWORTHINESS DIRECTIVES, SERVICE BULLETINS, SERVICE LETTERS, & MINOR ADJUSTMENTS

DATE	TACH	DESCRIPTION OF WORK	SIGNATURE
	_ Inspected checklist.	TAT:294.2 I propeller IAW Cirrus Design SR20 I certify this propeller has been insinspection and is determined to be	spected IAW a
		AMCa Add	0271501084
3/3/20	380.2	certify that this Popularies has been inspected in accordance	with.
17.	3802	as determined to be in airworthy co	on and

### Hartzell Propeller

Manual No. 115 N

DATE	TACH	DESCRIPTION OF WORK	SIGNATURE
8210	4000	FACTT CREASES FROM	2002
	402	FACTT GREATSES FROM	
		I certify that this 1200 CCC	2
		has been inspected in accordan	e with
		an Annua inspe	tion and
		was determined to be in airworthy	condition.
		Socio 47170	187074
11/9/00	502.0	Performed 100 Inspection	2
		IAW Cicruss Mm check	list.
		Dressed Blades and Po	
		Properte	
		I certify that this aircraft/engir	has
		been inspected in accordance	
		annual/100 hour inspection an	
		determined to be in airworthy co	
		Date 1/19/00 Marshin	
		A+P 359620244	
)			



#### Hartzell Propeller

Manual No. 115 N

#### DESCRIPTION OF ALL OPERATIONS PERTAINING TO AIRWORTHINESS DIRECTIVES, SERVICE BULLETINS, SERVICE LETTERS, & MINOR ADJUSTMENTS

DATE	TACH	DESCRIPTION OF WORK	SIGNATURE
11-06-01	664.9		
		I certify that this Propeller	
		has been inspected in accordar	ce with
		a AMMUM inspe	ection and
		was determined to be in airworthy	condition.
		Pertinent details are on file at this agency under  OG 1301-02  Work Order # Date 11-04-01  Signature Cirrus Design Factory Service Center  Duluth, MN  Repair Station Cert. No. YD5R855Y	
			5 ) 2
. 1	N. Y. Y. Y.		
			RESERVE !

Hartzell Propeller

Manual No. 115 N

DESCRIPTION OF ALL OPERATIONS SS DIRECTIVES, CE LETTERS,

ENTS SIGNATURE WORK DATE

Scanned with CamScann

1/17/03	I certify that this fcopelle has been inspected in accordance with a Annual inspection and was determined to be in airworthy condition.	
m = 991.8	THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WE CURRENT REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND WAS FOUND AIRWORTHY AND IS APPROVED FOR RETURN TO SERVICE. PERTIN DETAILS OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.	A man and
PT- 991.8	SIGNED PREMIUS BRET 1/17/03	
WUF= 3154	STATE ALEGO, INC. C.R.S. AHTRIOZC 6101 FLIGHTLINE DRIVE EVANSVILLE, IN	I Z I
5/21/04 HM=12065	N145CD, MAKE: CIRRUS, MODEL: SR20, S/N: 1020, HM: 993.5, WO 3182.  CHECKED PROPELLER DYNAMIC BALANCE, AND ADJUSTED AS NEEDED, .04 IPS AT 8 DEGREES.  THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH CURRE REQULATIONS OF THE FEDERAL AVIATION AND WAS FOUND AIRWORTHY AND IS APPROVED FOR RETURN TO SERVICE PERTINENT DETA OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.  SIGNED  I CERTIFY that this CRS. AINTINO2C 6101 FLIGHTLINE DRIVE EVANSVILLE, IN  THE AIRCRAFT, AIRFRAME, AIRCRAFT ENGINE, PROPELLER OR APPLIANCE IDENTIFIED ABOVE WAS REPAIRED AND INSPECTED IN ACCORDANCE WITH A REGULATIONS OF THE FEDERAL AVIATION ADMINISTRATION AND WAS FOUND AIRWORTHY AND IS APPROVED FOR RETURN TO SERVICE PERTINENT OF THE REPAIR ARE ON FILE AT THIS REPAIR STATION.	TOPPER 115 N
111-1206.5	SIGNED THE STATE AERONC. C.R.S. AHTRIO2C 6101 FLIGHTLINE DRIVE EVANSVILLE, IN	
T= 1206.57	U U I I I I I I I I I I I I I I I I I I	
	DATE	
Airworthiness Did All AD's researche All work accomplish	Propeller S/N EF216B  Innual Inspection in accordance with Cirrus Design SR20 Maintenance Manual on Report.  Sectives: If and none found applicable through 2005-13. Ineed in accordance with manufacturer's maintenance manual.  See that been inspected in accordance with an Annual Inspection as required by FAR as found to be in airworthy condition and is approved for return to service.	Hartzell Propeller Manual No. 115"N  DESCRIPTION OF ALL OPERATIONS  RTAINING TO AIRWORTHINESS DIRECT
		THE THE
CS Scan	ed with camscanner	Š

	VeM S noisiveA	II IDO	Bage 258 Sevysion 2 May/92
The current PEDERAL AVIATION INCOLLATION Water frame to the agency the bose compiler than to service. The mediate making the instantion must Creffice 43.9	U.S. Propeller & Accessories, Inc.  100 Sempendan Sant Consent Notestan  100 Sempendan Sant Consent Notestan  100 Sempendan Sant Consent Notestan  1100 Mark Series  1100 Mark		Repaired By Concerns of the Parish of the Pa
381	Agerman Annual Actions   AUTHORIZED RELEASE CERTIFICATE   1. From Training Number Address   AUTHORIZED RELEASE CERTIFICATE   0.1794 op		nage Repair 36 37 89.59 19.19
	19  90019   Athall		

#### Manual No. 115N HARTZELL PROPELLER INC

Record of Model B7466 Composite Blade Dam

Blade Serial Number Blade Design

Location of Damage Cm 2.54 20.32 30.48 45.72 60.96 76.20 I noni 24

Description of Damage Hours (eirworthy/unairworthy) Description of ers0 Degree of Damage

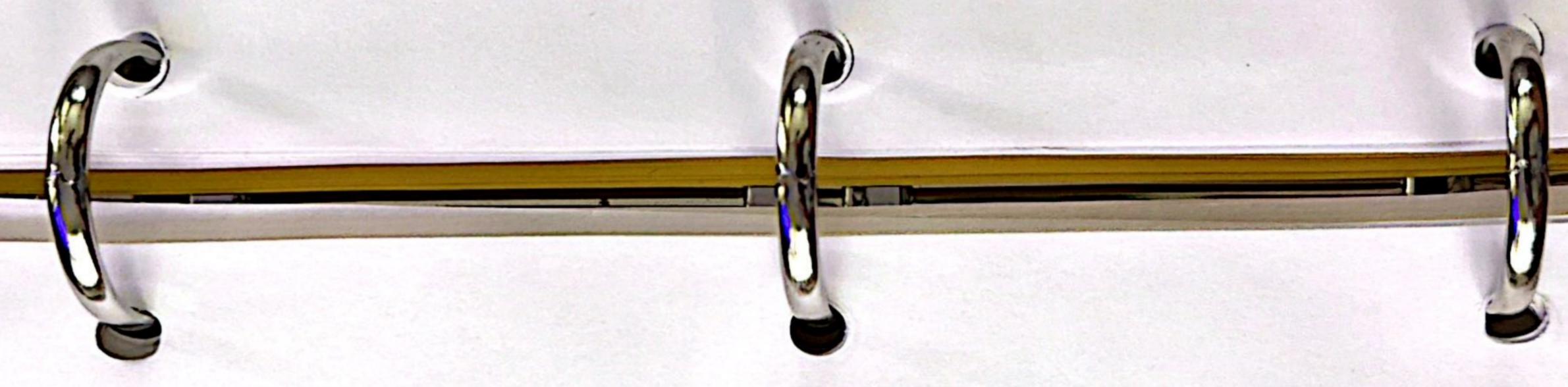
#### U.S. Propeller & Accessories, Inc.

1001 Springwood Ave. Suite 1 Gibsomville, NC 27249
Certificated Reper Station No. YX4R690M

W.O.No Sheet 1 PO No	Inv No 027350G Date Preceived 07/12/2007
Customer Name 1.S.O. Aero Service	Contact Person Rauben Edwards
1410 North Kerr Avenue	Telephone 910-753-8844
Wilmington, NC 28405	Facsimile: 910-763-8820
Oustomer Instructions: Overhauf. Performed prefiminary inspect	llon, This governor has no sign of external damage.
Manufacturer: Woodward Overhauf Manual No.	A/C Model: SR20
Gov. Dwg. No. Rec'd. D210750 Assy. Ser No.	o Rec'd 12043177D TSO:
Retn	Refn
Visual Inspection	
Plot Valve Plunger OK Idler Geer OK	Governor Base OK Drive Gear OK
Threaded Inserts OK Idler Gear Stud NEW	Expansion Plugs N/A Springs OK
Flyweight Toe OK O-Ring Groove OK Unfeathers	ng Check Valve N/A Threaded Piston N/A
Speed Adjusting Shaft OK Governor Body OK Pistor	OK Spring Seet OK Cylinder OK
NDT: Drive Gear Magnetic Particle MH	Ider Gear Magnetic Particle MH
Ohmmeter Check Magnetic Pickup N/A	Magnetic Synchrophaser N/A
Test Record	
Rotation Facing Drive CW CCW X Pre-	ssure Sense Pressure to DEC INC X
	The second secon
Maximum RPM 2700 Unfeathering RPM N/A	
Control Arm Angular Travel OK Degrees Total OK Deg	Control of the Contro
Pickup Output (RMS) (# applicable) Yots N/A at RPM N/A	Internal Leakage OK External Leakage NONE
Torque Check Control Lever Screw MH Stor	p Ring Clamp Scraw MH
Work Performed And Tests If Any	
Overhauled and tested	
4 ~	OL OV
Disassembled By Thorn Hull	Assegration Think Hell
Tested By Manh Agill Inspected By	Maketa Maketa
Mark Hill	Na Sansey
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11110 8	~ C
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Authorit	ty / Country A	UTHORIZED I			IFICATE	7 Form Tracking Humber 0273500	
4. Organization !		PROPELLER & ACCESSOR	and the same of th		,	Work OrderContracVinvoice No O273500	
t hen.	Description	Part Number	Explaint.	16 Quantity	11. Senal / Batch   Sumber	1/3	
1	Covernor	D210760	Various	i	12043177D	Overheuled	
	the stame ideas Led above was	reacts & charted in conformity to	eribed hereon.	Certifies that unless described in Block	etherwise specified in Work 17,	the work identified in Block 12 and not with Title 14, Code of Federal stamp are approved for return to	
	the stame identified above was	reacts & charted in conformity to		Certifies that unless described in Block	etherwise specified in Work 17,	to work identified in Block 12 and	
2/00	the items identified above was	react & chared in conformity to  in a condition for ask operation  14. Approval/Author  18. Date (m/5)	orimine No.	Certifies that unless described in Block Regulations, part 4 service  20. Authorized Signature	etherwise specified in Work 17.  The accomplished in accordant angles propped to that work, the least of the state of the	the work identified in Block 12 and not with Title 14, Code of Federal stamp are approved for return to  21 Approved/Carificate No.:  YX4R690M  23 Date(m/dy):	
17 Name Co	the Herman I deep E and above were Non-supervised does po data and an Supervised are posterior does as the second	reactive for all operation for all operation of the last operation for all operations of the last operation of	Installer Resp	Cortifies that unless described in Block Regulations, part 4 service  20. Authorized Security No	etherwise specified in Work 17.  The scrope shed in sccordar south proppe to that work, the state)  Ramsey	the work identified in Block 12 and not with Title 14, Code of Federal items are approved for return to	



DATE	TACH	DESCRIPTION OF WORK	SIGNATURE
2 544 10		Overhaused (1) propeller MN	BHC-TZYF-IBF 5/10
8		EF216B CIW SIB 118F, 136I.	5/1 61-WY, 245, 5/J
		152A, A.D. Note (07-26-09). 6	REASED, pAINTED AND
$\overline{}$		BALANCED. BId. Dug# F7694 #1) J	21934 3 521931.
$\overline{}$		H & H PROPELLER SERVICE, INC.	
$\overline{}$		3439 SOUTH AVIATION DRIVE	
-		BURLINGTON MUNICIPAL AIRPORT	
-+		BURLINGTON, N. C. 27215	
-+		FAA REPAIR STATION PS4R451M	1.)
		1-800-334-6437	A. M. Las
-			
	765	Cannaal	the Camera
		OCATICATÓ	

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
Removed the Inc., WO# 17 performed by no leaks note	n reinstalled proper 683, Date: 2-July-2 H&H Propeller Seed. The aircraft, air	CD, Type: SR20, S/N: 1020 Hobbs: 2664.4 eller (Hartzell m/n: BHC-J2YF-1BF, s/n: EF216B) after overtically (Woodward m/n: 2010.) Removed then reinstalled governor (Woodward m/n: ervice, Inc., WO#: 17695, Date: 28-July-2010). Ground oper frame, aircraft engine, propeller or appliance identified above ederal Aviation Administration and is approved for return to	D210760, s/n: 12043177D) after overhaul ation and leak checks were performed and we was repaired and inspected in accordance
on file at this SIGNED: nspector for	FAA CRS PP4R44 1, Inc. 3439 South	er Shop Order No: 18616, Dated: 18-Aug-2010.	
30-227-1407			

TACH	DESCRIPTION OF WORK	SIGNATURE
July 10 2664.4	Overhauled propeller m	IN BHC-JZYF-1BF
JOLISM FORD	5/NEF216B, C/W SB 118F	36 I, 62 61-614
Joseph Land	245. ST 152A, AD 607-26	
ENCHAL POP JULY.	spainted and balanced	In Ats Henrelles
	Service Une under Wo	#0168B.
	H & H PROPELLER SERVICE, INC.	postuna Lao lingo
	3439 SOUTH AVIATION DRIVE	
	BURLINGTON MUNICIPAL AIRPORT	
	BURLINGTON, N. C. 27215	
	FAA REPAIR STATION PS4R45111	
	1-80U-334-0431.	
<u></u>	Scannedwit	hCamScal

A/C: Hartzell S/N Date: Current Ta Last O/H TSOH	N145CD BHC-J2YF-1BF EF216B Sep2011 ack 2942 2664 277	Completed 100 hr. inspection per 100 hr. insp. procedures.  Lubed Painted  Ground run check normal no leaks or defects noted.  END  I certify that this Aircraft has been inspected in accordance with a 100 hr. inspection and has been determined to be in a worthy condition.  Auth. Sign. & Cert. # April 53 69 3 3 iso\shop\log\iso\145Cde13  ISO AERO Service, 1410 N Kerr Ave., Wilmington, NC 28405 (910) 763-8844

#### DESCRIPTIONS OF ALL OPERATIONS PERTAINING TO AIRWORTHINESS DIRECTIVES, SEDVICE BUILDETING SEDVICE DETTERS

#### AIR WILMINGTON

Date: 11/02/2020; Aircraft: N145CD; Type: SR20; S/N: 1020; Hobbs: 3661.60; Tach:; Total Time: 3661.60;

LG Cycles:; Engine - Type: , S/N:, Time: 3661.60; Prop - Type: , S/N:, Time: 3661.60

Shop Order #: NRS-17345, Closed: 10/27/2020

Complied with an Annual Inspection per FAR 43 Appendix D. Referenced the Cirrus SR-20 Inspection checklist.

Completed AD research through Bi-weekly update 2020-21, 9/28/2020 - 10/11/2020. See AD Compliance record for a list of applicable ADs.

AD 2005-14-11 Prop RTS SOCAL Prop. Amendment# 39-14188 Dated: 17 Aug 2005. Prop not returned to service from Souther Cal prop shop, last OH by H & H Propeller service. Refer to AD compliance record and aircraft log book. No further action required.

AD 2003-01-03 Prop blade separation. Amendment# 39-14188 Dated: 23 Jan 2003. N/A: SN# not in list Table 1. No further action required.

AD 2001-23-08 Prop ad Hub Cracking. Amendment# 39-12505 Dated: 24 Dec 2001. N/A as serial number 12 3" at he end and the engine HP is under 300 HP. No further a tion regulard.

AD 2001-01-03C Prop AD for proper setu mod to service from EASCO. Amendment# 31-1:16 8 Datace 04

I/A prop has not been returned to service from BASCO, Last O/H done by H & H Propeller service. No further action required.

Performed Ground run: Operational and leak checked completed satisfactority.

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

With respect to the work performed the engine is approved for return to service. Pertinent details are on file under the work order NRS17345.

Name: Chris McPherson Signature:\_\_\_\_\_\_\_(

Cert# A&P/IA 3154631

Air Wilmington P.O. Box 1930, Wilmington, NC 28402 Phone: 910-763-2502

PROP MODEL: BHC-J2YF-1BF PROP S/N: EF216B

REG. NO: 145CD WORK ORDER: 1710 Aerowood Service Center

AEROWOOD 3900 Paul J Helms Dr Monroe, NC 28110 Phone: 704-289-7727 DATE: 12/3/2021

A/C TSN: 3860.7 PROP TT: 3860.7 TSPOH: 1196.3

TACH: 3860.7

#### **Prop Entries**

3 Propeller Annual Inspection... Accomplished Propeller Annual inspection.

At owner's request; I Certify that this aircraft has been inspected in accordance with an Annual Inspection using a CHECKLIST in accordance with FAR 43 Appendix D. and Manufacture's Maintenance Manual and was determined to be in airworthy condition. All work was accomplished in accordance with Manufacture's Maintenance Manual and/or AC43.13-1B; AD's verified thru current biweekly; Performed Run up for operation and leak check. All items mentioned have Safeties and are functioning properly at this time.

DATE: 12/3/2021

SIGNED:

RBUKE

Work Order: 1710

Ben Werthwein, IA: 2709574

Printed by EBis 3 (datcomedia.com)

-	I certify this propell	ler was inspected in	Hobbs- 4193.20 ordance with FAR 43 appendix "D accordance with a 100 hr Inspec	TSPOH- 1529.20 ". tion and was determined to be in a	an airworthy condition.	
-	Smiling Aviation, 1 870 15.75 Road Delta Co 81416	Inc.	Men	Chad R. Dawson A&P 3432546 970-874-5181		
	N145CD Performed a 100 hi I certify this propel Smiling Aviation, 870 15.75 Road Delta Co 81416	ler was inspected in	Hobbs- 4075.30 ordance with FAR 43 appendix "I accordance with a 100 hr Inspendent of the second of	TSPOH- 1411.30 D". ction and was determined to be in Chad Dawson A&P 3432546 970-874-5181	an airworthy condition.	
		<del>Gar</del>	<del>1100-14</del>	thean		

202A. A NOTICE propelle	led propeller in accordance with Hartzell Manuals: 11 ll other current service information complied with as of the Airworthiness Directive may apply to the installation.	13B,159 and	
Directive	May 13, 2025, HUB: BHC-J2YF-1BF/F7694 SN: EF216B TT: UNK TSO: 0.0  Overhauled propeller in accordance with Hartzell Manuals: 113B, 159 and 202A. All other current service information complied with as of this date.  NOTICE: An Airworthiness Directive may apply to the installation of the propeller described hereon. The installer is responsible for ensuring complete compliance with any applicable installation Airworthiness  Directive.		
with Reg service. I Work Or	aft propeller or appliance identified above was serviced in ulations of the Federal Aviation Agency and is approved for extinent details of the inspection are on file at this repair serviced Number (25-2836)	for return to station under	
Certificate 32446	, for AIR PROP SPECIALIS te Number 1X4R274M, 3671 Industrial Park Drive, Maria	anna, FL	
	The aircr with Reg service. F Work Or Signed Certificat 32446	Airworthiness Directive (OVERHAUL)  The aircraft propeller or appliance identified above was serviced in with Regulations of the Federal Aviation Agency and is approved service. Pertinent details of the inspection are on file at this repair. Work Order Number (25-2836)  Signed	

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE
	by A performance were 100	O6/03/2025 N145CD S/N: 1020 HM: 4383 ACTT: 4383.3 ETSMOH: 0.00 PTSMOH: 0.00 noved and reinstalled this propeller due to Overhaul coir Prop Specialists, Inc. CRS# IX4R274M. Installation ormed using new hub seal and locking nuts. All ground satisfactory.  It if that this propeller has been inspected in accordant Hour Inspection and is determined to be in an airwort lition at this time.  Bryant Hamm A&P 3508729	ompleted  nd checks  nce with a
CS		anachita	SamScar

DATE	TACH TIME	DESCRIPTION OF WORK	SIGNATURE