

PROPELLER MAINTENANCE RECORDS

Log No. 3

Aircraft Registration No. N 31 EN

Propeller Manufacturer McCawley

Hub Model B2D 34C 207-B

Blade Design No. _____

Hub Serial No. 961566

Blade Serial No's.

1. _____
2. _____
3. _____
4. _____

Pitch Range:

High _____ Low _____

Feather _____ Reverse _____

Governor Manufacturer _____

Model No. _____

Serial No. _____

Date installed on aircraft _____

Time Between Overhauls (TBO) _____ Hours

If used on multi-engine aircraft:

- | | |
|--------------------------------|-------------------------------|
| ☐ Right | ☐ Left |
| ☐ Front | ☐ Rear |

(All applicable information must be filled in)



AEROTECH PUBLICATIONS INC.

PO BOX 1359 / SOUTHOLD, NY 11971-0965

(516) 765-9375

FAX: (516) 765-9359

Installed at ARC Total Time 461566
DESCRIPTION OF WORK PERFORMED 2939.1
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
1-26-01	Tach: 876.3	—	—	DATE 1-26-01 T.T. IN SERVICE 927.7 AD'S CHECKED THRU: 01-01-01 I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>[Signature]</u> ATP 520926332
5-23-01	972.7	—	—	DATE 5-23-01 T.T. IN SERVICE 1024.1 AD'S CHECKED THRU: 01-01-01 I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>[Signature]</u> ATP 520926332
8-13-01	Tach: 1068.7			DATE 8-13-01 T.T. IN SERVICE 1120.1 AD'S CHECKED THRU: 01-01-15 I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>[Signature]</u> ATP 520926332
Nov. 1, 2001	Tach 1098.4			DATE Nov 1, 2001 T.T. IN SERVICE 1149.8 AD'S CHECKED THRU: 2001-21 I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>[Signature]</u> ATP 518602172
6/11/02	TACH: 1197.1	—	—	DATE 6/11/02 T.T. IN SERVICE 1248.5 AD'S CHECKED THRU: 01-02-10 I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>[Signature]</u> ATP 519026460
9-6-2002	Tach 1293.9			DATE 9-6-2002 T.T. IN SERVICE 1293.9 AD'S CHECKED THRU: 02-16 I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>[Signature]</u> ATP 518602172
3-11-03	Tach: 1393.9			DATE 3-11-03 T.T. IN SERVICE 1393.9 AD'S CHECKED THRU: 03-03-04 I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>[Signature]</u> ATP 519217511
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
				TOTALS brought forward from previous page
7-17-03	TACH: 1489.1			Completed a 100 hr. TIAIW Cessna Model 177RG service manual DATE 7-17-03 T.T. IN SERVICE 1489.1 AD'S CHECKED THRU: BW-3-13 I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <i>Chad M. L. HBS 921750</i>
4-8-03	Tach: 1584.6			C/W 100 Hr. Inspection DATE 4-8-03 T.T. IN SERVICE 1584.6 AD'S CHECKED THRU: BW-03-17 I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <i>D. J. Beul AP 2613300</i>
11-5-2003	1696.0 1489.1	1696.0	1635.2	c/w 100 hr insp. DATE 11-5-2003 T.T. IN SERVICE 1696.0 AD'S CHECKED THRU: BW-03-21 I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <i>Aug. Stelf AP 2767079</i>
1-30-04	Tach: 1690.7			Inspected & Dressed Propeller as Required <i>D. J. Beul AP 2613300</i>
3-23-04	Tach: 1730.0 TTIS 1790.8 TSMO: 1790.8			Completed a 100 Hr. inspection IAW Cessna 177RG Service Manual. DATE 3-23-04 T.T. IN SERVICE 1790.8 AD'S CHECKED THRU: BW-04-04 I CERTIFY THAT THIS propeller HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 hr INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <i>Chad Ogden AP 8789673</i>
10-5-04	1886.1	1886.1	Tach: 1825.3	Completed an Annual inspection IAW Cessna 177RG Series Service Manual. DATE 10-5-04 T.T. IN SERVICE 1886.1 AD'S CHECKED THRU: 04-18 I CERTIFY THAT THIS Propeller HAS BEEN INSPECTED IN ACCORDANCE WITH AN Annual INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <i>Shane Kelly AP 546331149 J/A</i>
				SUB-TOTALS this page
				TOTALS—Carry forward to next page

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
TOTALS brought forward from previous page				
3-16-05	1981.4	1982.4	1920.6	COMPLETED 100 HR INSP. 11A/W CESSNA MODEL 177R6 SERVICE MANUAL. DATE 3-16-05 T.T. IN SERVICE 1981.4 AD'S CHECKED THRU: 6W05-04 I CERTIFY THAT THIS PROP HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>John Keenan A/P2719585</u>
7-28-05	2068.1	2068.1	2018.3	COMPLETED 100 HR INSPECTION 11A/W CESSNA MODEL 177R6 SERVICE MANUAL DATE 7-28-05 T.T. IN SERVICE 2068.1 AD'S CHECKED THRU: 2005-15 I CERTIFY THAT THIS PROP HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>John Keenan A/P2719585</u>
10-14-05	2158.7	2158.7	2108.9	COMPLETED 100 HR INSP. 11A/W CESSNA 177R6 SERIES SERVICE MANUAL DATE 10-14-05 T.T. IN SERVICE 2158.7 AD'S CHECKED THRU: 6W05-19 I CERTIFY THAT THIS PROP HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>John Keenan A/P2719585</u>
12-15-05	2228.3	2228.3	2178.5	COMPLETED 100 HR INSP. 11A/W CESSNA 177R6 SERIES SERVICE/MANNT. MANUAL. DATE 12-15-05 T.T. IN SERVICE 2228.3 AD'S CHECKED THRU: 6W05-24 I CERTIFY THAT THIS PROP HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>John Keenan A/P2719585</u>
5-23-06	2326.1	2326.1	2276.3	COMPLETED 4100 HR INSP. 11A/W CESSNA 177R6 SERVICE MANUAL. DATE 5-23-06 T.T. IN SERVICE 2326.1 AD'S CHECKED THRU: 6W06-10 I CERTIFY THAT THIS PROP HAS BEEN INSPECTED IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION. SIGNED: <u>John Keenan A/P2719585</u>
SUB-TOTALS				IN ACCORDANCE WITH A 100 HR INSPECTION AND WAS DETERMINED TO BE IN AIRWORTHY CONDITION.
TOTALS—Carry over to next page				SIGNED: <u>John Keenan A/P2719585</u>

Page No. _____

DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. PERSON PERFORMING WORK
TOTALS brought forward from previous page				

DATE	TACH	DESCRIPTION OF WORK	SIGNATURE
16 Feb 22	3150.2	Dynamic balanced (1) propeller m/n B2D34C207-B s/n 981566 to .03 ips by adding 9.0 grams of weight to the bulkhead at 4:45. H & H PROPELLER SERVICE, INC. 3439 S. AVIATION DR. BURLINGTON, NC 27215 FAA REPAIR STATION PS4R451M 1-800-334-6437	<i>[Signature]</i>

Holt Aviation 150 Air Harbor Rd Greensboro, NC 27455

Tail #: N341RG S/N: 177RG1155 Tach: 3159.5 Prop TT: 3209.3 Date: 03/14/2022

Inspected propeller per the McCauley Owner/Operators Manual p/n MPC26-05 Rev 5 (dated 08/2020) and FAR 43.9/43.11. Dressed blades.

I certify this propeller has been serviced and inspected IAW an annual inspection, was found to be in an airworthy condition and is approved for return to service.

James D Holt A/P 3894805 IA *James D. Holt*

** See New Prop log Book*

SUB-TOTALS this page

TOTALS—Carry forward to next page

AVIONICS MAINTENANCE RECORDS

(Including transponder biennial checks)

Log No. _____

Aircraft Registration No. N31EN

Aircraft Manufacturer Cessna

Model 177RG

Serial No. 177RG1155

EQUIPMENT LISTING

List all installed avionics, autopilot and flight director equipment.

Mfg.	Model	Serial No.
1. <u>Cessna</u>	<u>300 Transponder</u>	_____
2. <u>Cessna</u>	<u>300 ADF</u>	_____
3. <u>Cessna</u>	<u>3 LT Audio Panel</u>	_____
4. <u>PARCO</u>	<u>mk120 N/C w/ GS</u>	_____
5. <u>Cessna</u>	<u>300 nav/com</u>	_____
6. <u>ARNAV</u>	<u>STAR 5000 GPS</u>	_____
7. <u>Cessna</u>	<u>200A NAVOMATIC</u>	_____
8. _____	_____	_____
9. _____	_____	_____
10. _____	_____	_____
11. _____	_____	_____
12. _____	_____	_____
13. _____	_____	_____
14. _____	_____	_____
15. _____	_____	_____
16. _____	_____	_____
17. _____	_____	_____
18. _____	_____	_____
19. _____	_____	_____
20. _____	_____	_____



AEROTECH PUBLICATIONS INC.

PO BOX 1359 / SOUTHOLD, NY 11971-0965

(516) 765-9375

1-800-235-6444

FAX: (516) 765-9359

Page No.

AIRFRAME
TIME
IN
SERVICE

AVIONICS
TIME
IN
SERVICE

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

CESSNA 177RG N31EN (IFR Cert) June 4th, 1998
Bench tested the United Altimeter and Matched the Ameri-
King Encoder to 20,000ft. to FARs. Performed the Static
and Integrated System Tests to FAR. 91.411 Paragraph (c)
Appendix E of Part 43. Performed the Transponder Ramp
Test (ARC RT-359A S/N 12401) to FAR. 91.413 Appendix F
of Part 43. The Aircraft Certified by STAHL AIR INSTRU-
MENTS, INC. C.R.S. #WM1R589K. W.O. #M-8270.

By M. Staul

DATE

EAGLE C
LOG ID#
N31EN

I certi
have be
Altime
The al
I cer
and f

Repa

Van Bortel Aircraft Inc.

4900 S. Collins, Arlington TX 76018

FAA CRS# VNFR171L



N31EN

DATE 09-30-98

W.O. 3852

Removed G-300A Turn coordinator and installed Overhauled unit by AIS
Instruments. S/N 1-7610-144 Check Autopilot computer and servo reassembled
aircraft and ramp checked autopilot system and found to function normally.

Tim Loftin
Tim Loftin
Avionics Manager

Van Bortel Aircraft Inc.

4900 S. Collins, Arlington TX 76018

FAA CRS# VNFR171L



N31EN

DATE 2/12/99

W.O. 4022

Tach: 201.9

Hobbs: 966.3

Removed RCA22-7 Horizon S/N A81-2854 Installed Overhauled RCA22-7 Horizon S/N 94H1087.

Sam G Wall III
Sam G Wall III

DATE

AIRFRAME
TIME
IN
SERVICEAVIONICS
TIME
IN
SERVICEDESCRIPTION
SIGNATURE & CERTIFICATE NO.

EAGLE COMMUNICATIONS & ELECTRONICS 798 Airport Loop Twin Falls, ID 83301 Repair Station #E11R623Y
 LOG ID# 52 22-January-2001
 N31EN S/N 177-RG1155 CESSNA 177RG TACH 874.3

Pg 1 / 1

I certify that the altimeter, static and altitude reporting systems test required by FAR Part 91.411 have been performed and found to comply with FAR Part 43 appendix E.

Altimeter #1 s/n 30977 was tested to 20,000 feet.

The altitude encoder s/n 3504444 was tested to 20,000 feet.

I certify that the ATC transponder tests and inspections required by FAR Part 91.413 were performed and found to comply with FAR Part 43 appendix F.

Repairman Certificate 512808230 Ronnie R. Miller

Date

Complies with FAR's 91.217, 91.411 & 91.413

Inspected the static system in accordance to FAR 43 appendix "E".

Tested the calibration of the ships altimeter per appendix "E".

Tested the ATC transponder per FAR 43 appendix "F". Tested the automatic pressure altitude reporting system per FAR 91.217.

Regis. No. 21EN RT359A DATE 9/6/03

Tested to 20,000 ft. SN/2401

Authorized Signature [Signature] Intermountain Aerospace Avionics Q15R146N

Intermountain Aerospace

1940 International Way

Idaho Falls, ID 83402

FAA Repair Station #Q15R146N; 208/524-2666 or 524-2792;

Web page www.iaavionics.com; E-mail iaaela@onewest.net

Complies with FAR 91.217, 91.411 & 91.413

Inspected the static system in accordance to FAR 43 appendix "E". Tested the calibration of the ships altimeter/s per appendix "E". Tested the ATC transponder per FAR 43 appendix "F". Tested the automatic pressure altitude reporting system per FAR 91.217. See our work order # 7823 for details.

DATED: 1-17-06 A/C REGISTRATION # N- 31EN SN 177RG1155

P ALTIMETER.	C/P ALTIMETER	XPDR #1	XPDR #2
MODEL <u>166-17016</u>	MODEL <u>X</u>	MODEL <u>RT385</u>	MODEL <u>X</u>
SN <u>1670</u>	SN <u>X</u>	SN <u>12401</u>	SN <u>X</u>
ENCODER #1	ENCODER #2		
MODEL <u>805</u>	MODEL <u>X</u>		
SN <u>32011</u>	SN <u>X</u>		

Authorized Signature: [Signature]

NARCO AIRCRAFTS INC.

SERVICE TAG

MODEL # MK1204

SN 11382

DATE 2/21/0

W.O.# 34531

DETACH AND AFFIX

TO LOGBOOK

DESCRIPTION OF WORK PERFORMED—

DESCRIPTION OF WORK PERFORMED—
NAME & CERTIFICATE NO. OF PERSON PERFORMING WORK

3-2-56

AIRFRAME
TIME
IN
SERVICE

AVIONICS
TIME
IN
SERVICE

7 Nov
2224.4

REPAIRED #1 NAV COM M/NK12DK
IN THE #1 POSITION A/R. OPS OK.
IN HP2749585

Reg	31EN	Model	177RG	S/N	177RG1155	WO# A-002076
Date	04/05/07	HM	3213.9		3403	TSOH

ADJUSTED ALT ENCODER TO WITHIN FAR SPECIFICATIONS AND REPAIRED NUMEROUS STATIC SYSTEM LEAKS. LEAK CHECK AND ENCODER CORROLATION WAS PERFORMED DURING FAR 91.411 & 91.413 CHECKS ON THIS DATE. ALL UNITS GROUND TESTED GOOD. <><><><><>

The Aircraft, Airframe, Aircraft Engine, Propeller, or Appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. **END**

APPROVED BY: KI M Au INSPECTOR FOR
LANDMARK AVIATION, GREENSBORO, NC
FAA REPAIR STATION # PAI 5208A


**LANDMARK
AVIATION**

Reg Date	31EN 04/05/07	Model HM	177RG 3213.9	S/N 177RG1155	WO# A-002076
				TSO#	

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

	MFG	MODEL #	SERIAL #
Altimeter #1	CESSNA		1670
Encoder	TRANS CAL	805	32011
Transponder #1	NARCO	RT-385A	12401

The system was tested to 20,000 feet on 4/05/07.

The Aircraft, Airframe, Aircraft Engine, Propeller, or Appliance identified above was repaired and inspected in accordance with current Federal Aviation Regulations and is approved for return to service. END

APPROVED BY: [Signature] INSPECTOR FOR
LANDMARK AVIATION, GREENSBORO, NC
FAA REPAIR STATION # PAI 5208A


LANDMARK
 TION

Make: CESSNA
Order No.: 14437
S/N: 177RG1155

Model: 177RG

Reg. No.: N341RG
Completed: 03/07/18
TTAF:

Removed S-tec 30 AP Controller/Turn Coordinator and sent out for compliance with SB08-007. Received unit and put back in aircraft. Functional checked in all modes.

Barrett W Hayes
Causey Aviation Service, Inc.
6120 Smithwood Road
Liberty, NC 27298

CRS EWCR 750D

DATE

AIRFRAME
TIME
IN
SERVICE

AVIONICS
TIME
IN
SERVICE

DESCRIPTION OF WORK PERFORMED—
SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK

Page No.

FAR 91.411
ALTIMETERS, ALTITUDE REPORTING EQUIPMENT AND STATIC
PRESSURE SYSTEM HAVE BEEN CHECKED AND MEET ALL
SPECIFICATIONS OF APPENDIX E OF PART 43

ALTIMETER CERTIFIED TO

LEFT	FEET	RIGHT	FEET
	20,000		

S/N: 3C977

DATE: 08/22/21 W/O 10184 INSPECTOR:

CAROLINA AVIONICS GROUP, LLC
N341RG FAA APPROVED REPAIR STATION # QCCR-389K

FAR 91.413
THE ATC TRANSPONDERS AND INSPECTIONS AS REQUIRED BY FAR
91.413 WERE PERFORMED THIS DATE AND FOUND TO COMPLY WITH
PART 43 APPENDIX F, AND APPENDIX E PARAGRAPH C.

TRANSPONDER	MAKE:	MODEL:	S/N:
#1	Apparo	ESG	77324
#2			

DATE: 8/22/21 W/O 10184 INSPECTOR:

CAROLINA AVIONICS GROUP, LLC
N341RG FAA APPROVED REPAIR STATION # QCCR-389K

CAROLINA AVIONICS GROUP, LLC
FAA Approved repair station QCCR389K
Altimeter Scale Error
Correction Card

TEST PT(FT)	Indicator Reading at +25c	TEST	Indicator Reading at +25c
-1,000	0	30,000	
0	0	35,000	
500	0	40,000	
1,000	0	45,000	
1,500	0	50,000	
2,000	0	55,000	
3,000	-10	60,000	
4,000	-10	70,000	
6,000	-40	80,000	
8,000	-40		
10,000	-30		
12,000	-30		
14,000	-30		
16,000	-50		
18,000	-50		
20,000	-60		
22,000			
25,000			

ALT. S/N 3C977

DATE 8/22/21

N341RG

Altimeter
Position
Pilot ☒
Copilot ☐

DOC# ECC123

The ATC Transponder tests required by FAR 91.413 have been performed and found to be in compliance with FAR 43 Appendix F.

#1 Make Apparo Model Stratus ESG SN: 071324
#2 Make N/A Model N/A SN: N/A
Date 11-15-2023 WO# 2023-32

Inspector for
Shields Aviation LLC
CRS# SLDR124E

SA-104

The Altimeter, Static System and Automatic Altitude Reporting System test as required by FAR 91.411 have been performed and found to be in compliance with FAR 43, Appendix E. The altimeter was tested to 12,000 ft. on Date 11-15-2023

WO# 2023-32

Inspector for
Shields Aviation LLC
CRS# SLDR124E

SA-103