US Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020 2/28/2011 | Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft

Nationality and Registration Mark	Serial No.	
N4739D	17272346	
Make	**Model**	**Series**
Cessna	172N	

2. Owner

Name *(As shown on registration certificate)*	Address *(As shown on registration certificate)*
Donald W. Simmons	Address 579 Dragon Fly Ln. City Dayton State VA Zip 22821-2207 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☑	AIRFRAME	———	*(As described in Item 1 above)*	———
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type Manufacturer		

6. Conformity Statement

A. Agency's Name and Address

Name Donald Simmons / Shenandoah Avionics
Address 7500 Ford View Road
City Weyers Cave State Va.
Zip 24486 Country USA

B. Kind of Agency

- ☑ U. S. Certificated Mechanic
- ☐ Manufacturer
- ☐ Foreign Certificated Mechanic
- ☐ Certificated Repair Station
- ☐ Certificated Maintenance Organization

C. Certificate No. # 3794236 AP

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐

Signature/Date of Authorized Individual
Donald W. Simmons April 27, 2023

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☑ Approved ☐ Rejected

BY

☐ FAA Flt. Standards Inspector	☐ Manufacturer	☐ Maintenance Organization	☐ Persons Approved by Canadian Department of Transport	
☐ FAA Designee	☐ Repair Station	☑ Inspection Authorization	Other *(Specify)*	

Certificate or Designation No. # 3794236 IA

Signature/Date of Authorized Individual
Donald W. Simmons April 27, 2023

FAA Form 337 (10-06)

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N4739D	April 27, 2023
Nationality and Registration Mark	Date

The following work was accomplished April 27, 2023 with time on tach showing 5571.9 hrs.

Removed ARC RT-485A NAV/COM and indicator.

Installed Garmin GTN-650Xi Nav/Com/GPS Receiver in accordance with Garmin International STC SA02019SE-D and Garmin Installation Manual 190-01007-CO Rev. 8, dated April 1, 2023. AC43.13-1B, Chapter 11, section 7 and 8, wire installation, and AC43.13-2A, Chapter 2, radio installations, and Chapter 3, Antenna installations, were also used as acceptable data. All mounting supplies were supplied by the manufacturer. The Garmin GTN-650Xi was connected to the newly installed GA-35 GPS/WAAS antenna, to a newly installed Garmin GI-106A indicator, and mounted in the avionics rack where the above mentioned equipment was removed. The power for the Garmin GTN-650 NAV/COM/GPS was routed using, P/N MS22759/16-22-9, 22 gauge wires and P/N MS22759/16-18-9, 18 gauge wires as shown in the Garmin GTN-650Xi Installation Manual and connected to a newly installed Klixon 7274-2-5, 5 amp circuit breaker labeled "COM 1" and to a a newly installed Klixon 7274-2-5, 5 amp circuit breaker labeled "GPS". The wiring and installation of the Garmin units does not interfere with any flight or engine controls. Performed functional check to ensure proper performance and found no adverse EMI affect on previously installed systems. Weight & Balance revised. Made appropriate log book entry, and placed Pilot`s Guide and FMS in aircraft. This aircraft is Approved for VFR, IFR in route, terminal and approaches.

Continued Airworthiness on the installed Garmin product can be referenced in Garmin Maintenance Manual, P/N 190-01007-C0, current revision. Inspection of wiring, security and condition of radio installation should be performed at regularly scheduled maintenance functions.
Aircraft Records Amended.

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

☐ Additional Sheets Are Attached

GARMIN®
1200 East 151st Street
Olathe, KS 66062
P: 913-397-8200 F: 913-397-8282

February 24, 2020

Subject: Authorization for STC Use
AML STC SA02019SE-D, Garmin GTN 6xx/7xx Part 23 Navigation System

Garmin authorized dealers are hereby granted permission to use Garmin AML STC SA02019SE-D data to modify aircraft.

Emmett Griffith
Senior Director Engineering
Garmin International, Inc.

United States of America
Department of Transportation
Federal Aviation Administration

Supplemental Type Certificate

Number: SA02019SE-D

This certificate issued to: Garmin International, Inc.
1200 East 151st Street
Olathe, KS 66062

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 23 *of the* Federal Aviation Regulations

Original Product – Type Certificate Number:
Multiple - AML STC

Make:

Model: See Approved Model List (AML) SA02019SE-D for approved aircraft models and applicable airworthiness standards.

Description of Type Design Change:
Installation of Garmin GTN 6XX/7XX and GTN Xi Series Navigation System in accordance with FAA approved Master Drawing List, 005- 00533-C0, Revision 1, approved March 18, 2011 or later FAA approved revision. The Master Drawing List identifies the applicable FAA approved Airplane Flight Manual Supplements and System Maintenance Manuals (including Instructions for Continued Airworthiness).

Limitations and Conditions:
(1) The installer must determine whether this design change is compatible with previously installed modifications.
(2) If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.
(3) A copy of this certificate and associated AML, the approved AFMS, and the approved ICA must be maintained as part of the permanent records for the modified aircraft.

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, and revoked or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of Application: March 26, 2009

Date Reissued:

Date of Issuance: March 18, 2011

Date Amended: December 19, 2012; November 25, 2014; November 2, 2017; August 23, 2018; January 3, 2020; July 23, 2021; January 25, 2023

By Direction of the Administrator

Signature JR Brownell

Title JR Brownell
ODA STC Unit Administrator
ODA-240087-CE

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both. This certificate may be transferred or made available to third persons by licensing agreements in accordance with 14 CFR 21.47. Possession of this Supplemental Type Certificate (STC) document by persons other than the STC holder does not constitute rights to the design data nor to alter an aircraft, aircraft engine, or propeller. The STC's supporting documentation (drawings, instructions, specifications, flight manual supplements, etc.) is the property of the STC holder. An STC holder who allows a person to use the STC to alter an aircraft, aircraft engine, or propeller must provide that person with written permission acceptable to the FAA. (Ref. 14 CFR 21.120).

FAA Approved Model List (AML) STC SA02019SE-D

Aircraft Make (TCDS Holder) [common name or previous make]	**Aircraft Model**	**Type Certificate Number**	**TC Certification Basis** *	**Master Drawing List**	
				Document Number	**Revision** (or later FAA approved revision)
American Champion (American Champion Aircraft Corp.)	7GCA, 7GCB, 7KC, 7GCBA, 7GCAA, 7GCBC, 7KCAB	A-759	CAR 4a	005-00533-C0	1
American Champion (American Champion Aircraft Corp.)	7ECA	A-759	CAR 4a	005-00533-C0	13
APEX Aircraft (APEX Aircraft) [AVIONS PIERRE ROBIN]	R 3000/160	A66EU	FAR 23	005-00533-C0	13
Atlantic Coast Seaplanes, LLC (Atlantic Coast Seaplanes LLC) [A.G. McKinnon] [Viking Air Limited] [Aero Planes]	G-21C, G-21D, G-21E, G-21G	4A24	CAR 3	005-00533-C0	1
Bellanca (Bellanca Aircraft Corporation)	14-13, 14-13-2, 14-13-3, 14-13-3W	A-773	CAR 4a	005-00533-C0	1
B-N Group LTD. (B-N Group Ltd.) [Britten-Norman Limited]	BN-2, BN-2A, BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN-2T, BN2T-4R, BN-2A-9	A17EU	FAR 23	005-00533-C0	1
	BN2T-4S				38
B-N Group LTD. (B-N Group Ltd.) [Britten-Norman Limited]	BN2A MK. III, BN2A MK. III-2, BN2A MK. III-3	A29EU	FAR 23	005-00533-C0	1
Boeing (The Boeing Company) [Rockwell International Corporation] [North American]	BC-1A, AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D (SNJ-5), AT-6F (SNJ-6), SNJ-7, T-6G	A-2-575	CAR 4a	005-00533-C0	1
Cessna (Cessna Aircraft Company)	310, 310A (USAF U-3A), 310B, 310C, 310D, 310E (USAF U-3B), 310F, 310G, 310H, E310H, 310I, 310J, 310J-1, E310J, 310K, 310L, 310N, 310P, T310P, 310Q, T310Q, 310R, T310R	3A10	CAR 3	005-00533-C0	1
Cessna (Cessna Aircraft Company)	172, 172A, 172B, 172C, 172D, 172E, 172F, 172G, 172H, 172I, 172K, 172L, 172M, 172N, 172P, 172Q, 172R, 172S	3A12	CAR 3 FAR 23	005-00533-C0	1

Issued: March 18, 2011
Amended: March 15, 2023

US Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved OMB No. 2120-0020 2/28/2011 | Electronic Tracking Number

For FAA Use Only

INSTRUCTIONS: Print or type all entries. See Title 14 CFR §43.9, Part 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. §44701). Failure to report can result in a civil penalty for each such violation. (49 U.S.C. §46301(a))

1. Aircraft

Nationality and Registration Mark	Serial No.	
N4739D	17272346	
Make	**Model**	**Series**
Cessna	172N	

2. Owner

Name *(As shown on registration certificate)*	Address *(As shown on registration certificate)*
Donald W. Simmons	Address 579 Dragon Fly Ln.
	City Dayton State VA
	Zip 22821-2207 Country USA

3. For FAA Use Only

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
☐	☑	AIRFRAME	———	*(As described in Item 1 above)*	———
☐	☐	POWERPLANT			
☐	☐	PROPELLER			
☐	☐	APPLIANCE	Type / Manufacturer		

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency		
Name Donald W. Simmons / Shenandoah Avionics	✓	U. S. Certificated Mechanic	☐ Manufacturer
Address 7500 Ford View Road	☐	Foreign Certificated Mechanic	C. Certificate No.
City Weyers Cave State Va.	☐	Certificated Repair Station	# 3794236 AP
Zip 24486 Country USA	☐	Certificated Maintenance Organization	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 5 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Extended range fuel per 14 CFR Part 43 App. B ☐

Signature/Date of Authorized Individual

Donald W. Simmons Donald W Simmons April 27, 2023

7. Approval for Return to Service

Pursuant to the authority given persons specified below, the unit identified in item 5 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☑ Approved ☐ Rejected

BY								
	☐	FAA Flt. Standards Inspector	☐	Manufacturer	☐	Maintenance Organization	☐	Persons Approved by Canadian Department of Transport
	☐	FAA Designee	☐	Repair Station	✓	Inspection Authorization		Other *(Specify)*

Certificate or Designation No. # 3794236 IA

Signature/Date of Authorized Individual

Donald W. Simmons Donald W Simmons April 27, 2023

FAA Form 337 (10-06)

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

N9384J	April 27, 2023
Nationality and Registration Mark	Date

The following work was accomplished April 27, 2023 with hobbs showing 5571.9 hours.

Removed Narco AT-165 Transponder.

Installed Garmin GTX-345 transponder in accordance with Garmin International STC SA01714WI and Garmin AML STC Installation Manual, P/N 190-00734-10, Rev 16 dated October 1, 2022. AC43.13-1B, Chapter 11, section 7 and 8, wire installation, and AC43.13-2A, Chapter 2, radio installations, were also used as acceptable data. The unit was installed on the bottom of the avionics stack where the AT-165 was removed and power for the unit was supplied by the newly installed Klixon 7274-2-5, 5 amp circuit breaker, labeled "XPDR". The GTX-345 was connected to the newly installed Garmin GTN-650Xi, the audio panel. The installed ADS-B IN/OUT system was shown to meet the equipment performance requirements of 14 CFR section 91.227 by use of the Garmin Ap and Garmin GDL-39 unit which is approved for testing under Garmin Service Letter No. 1634, Rev A, dated May 2, 2016, and passed. Performed functional check to ensure proper performance and found no adverse EMI affect on previously installed systems. Made appropriate log book entry, and placed Pilot's Guide and FMS in aircraft.

Continued Airworthiness on the installed Garmin product can be referenced in Garmin Maintenance Manual, P/N 190-00734-11, current revision. Inspection of wiring, security and condition of radio installation should be performed at regularly scheduled maintenance functions.
Aircraft Records Amended.

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

☐ Additional Sheets Are Attached

GARMIN®
1200 East 151st Street
Olathe, KS 66062
P: 913-397-8200 F: 913-397-8282

July 11, 2018

Subject: Authorization for STC Use
AML STC SA01714WI

Garmin authorized dealers are hereby granted permission to use Garmin AML STC SA01714WI data to modify aircraft.

Emmett Griffith
Director of Engineering
Garmin International, Inc.

United States of America

Department of Transportation -- Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

Number SA01714WI

Date of issuance: May 1, 2013

Date Amended: April 29, 2014, March 8, 2016, September 9, 2019

Limitations and Conditions (continued):

(3) Aircraft with G950 or G1000 display systems are limited to Garmin transponder GTX 335R/335DR/345R/345DR models; see Table II of the attached AML. Refer to the design data specified in the Master Drawing List (MDL) listed above for specific hardware and software requirements.

(4) Aircraft modified by this STC must be operated in accordance with the Airplane Flight Manual Supplement or Supplemental Airplane Flight Manual (AFMS) identified above.

(5) Aircraft modified by this STC must be maintained in accordance with the Instructions for Continued Airworthiness (ICA) listed in the Master Drawing List (MDL) identified above.

(6) If the holder agrees to permit another person to use this certificate to alter the product, the holder must give the other person written evidence of that permission.

***Certification Basis**

Based on 14 CFR §§ 21.115 and 21.101, and the FAA policy for significant changes in FAA Order 8110.48, the certification basis for this change is as follows:

a. The certification basis for parts **not changed** or **not affected** by this change is shown on the attached AML.

b. The certification basis for parts **changed** or **affected** by this change is:

Section	Amdt	Section	Amdt	Section	Amdt
23.301 a	23-48	23.773 a(2)	23-45	23.1357 a, b, c, d	23-43
23.303	Original	23.777 a, b	23-62	23.1359 c	23-49
23.305	23-45	23.853 a	23-62	23.1365 a, b, d, e	23-49
23.307 a	Original	23.863 a, b	23-34	23.1367 a, b, c, d	Original
23.337	23-48	23.1301 a, b, c	23-62	23.1431 a, b	23-62
23.561 b(3), e	23-62	23.1306 a, b	23-61	23.1501 a, b	23-21
23.601	Original	23.1307	23-49	23.1525	23-45
23.603	23-23	23.1308 a, b, c	23-57	23.1529	23-26
23.605 a	23-23	23.1309 a(1)(2),b, c, d	23-62	23.1555 a, b, e(2)	23-62
23.607 a, b	23-48	23.1310	23-62	23.1581 a, b, c, f	23-50
23.611	23-48	23.1311 a(2)	23-62	23.1583 h, m	23-62
23.613 a, b	23-45	23.1322 b, d, e	23-43	23.1585 j	23-62
23.627	Original	23.1351 a	23-49	-----	----
23.771 a	23-14	23.1353 h	23-62	-----	----

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

FAA Approved Model List (AML)

STC Number SA01714WI

Installation of Garmin Transponder GTX 33X and GTX 3X5 with ADS-B

FAA APPROVED
JR Brownell
ODA ADMINISTRATOR
9-9-2019
DATE

ODA-240087-CE
Garmin International
1200 E. 151st Street, Olathe KS 66062

Issued Date:	May 1, 2013
Amended Date:	August 27, 2013, March 8, 2016 July 21, 2016 December 21, 2017 February 6, 2019 September 9, 2019

FAA Approved Model List (AML) STC SA01714WI

Airplane Make (TCDS Holder) [common name or previous make]	**Airplane Model Designation**	**Type Certificate Number**	**TC Certification Basis** [1]	**Master Dr List Rev (005-007**
B-N Group LTD. (B-N Group Ltd.) [Pilatus Britten-Norman Limited]	BN-2, BN-2A, BN-2A-2, BN-2A-3, BN-2A-6, BN-2A-8, BN-2A-9, BN-2A-20, BN-2A-21, BN-2A-26, BN-2A-27, BN-2B-20, BN-2B-21, BN-2B-26, BN-2B-27, BN-2T, BN-2T-4R	A17EU	FAR 21 FAR 23	1
	BN2A MK. III, BN2A MK. III-2, BN2A MK. III-3	A29EU	FAR 21 FAR 23	1
Boeing (The Boeing Company) [Rockwell International; North American Aviation]	BC-1A, AT-6 (SNJ-2), AT-6A (SNJ-3), AT-6B, AT-6C (SNJ-4), AT-6D (SNJ-5), AT-6F (SNJ-6), SNJ-7, T-6G	A-2-575	CAR 4a	1
Cessna (Cessna Aircraft Company)	T-50 (Army AT-17, UC-78 series, and Navy JRC-1)	A-722	CAR 4a	6
Cessna (Cessna Aircraft Company)	F150F, F150G, F150H, F150J, F150K, F150L, F150M, F152, FA150K, FA150L, FA150M, FA152, FRA150L, FRA150M	A13EU	CAR 3	6
	FR172E, FR172F, FR172J, FR172H, FR172G, FR172K	A18EU	CAR 3 FAR 21	1
Cessna (Cessna Aircraft Company)	F337E, FT337E, F337F, FT337F, F337G, FT337GP, F337H, FT337HP	A23EU	FAR 23	6
	F172D, F172E, F172F, F172G, F172H, F172K, F172L, F172M, F172N, F172P, FP172D	A4EU	CAR 3 CAR 10	10
	F177RG	A26EU	FAR 23	10
	F182P, F182Q, FR182	A42EU	CAR 3	6
Cirrus Design Corporation (Cirrus Design Corporation)	SR20, SR22	A00009CH	FAR 23	1
Costruzioni Aeronautiche Tecnam S.P.A. (Costruzioni Aeronautiche Tecnam S.P.A) [Costruzioni Aeronautiche Tecnam srl]	P2006T	A62CE	FAR 23	6

Issued: May 1, 2013
Amended: September 9, 2019

RECEIVED FEB - 9 1996

DCS

US Department of Transportation
Federal Aviation Administration

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Appliance)

Form Approved
OMB No. 2120-0020
For FAA Use Only
Office Identification
FEB 13 1996 NE-FSDO-01

INSTRUCTIONS: Print or type all entries. See FAR 43.9, FAR 43 Appendix B, and AC 43.9-1 (or subsequent revision thereof) for instructions and disposition of this form. This report is required by law (49 U.S.C. 1421). Failure to report can result in a civil penalty not to exceed $1,000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make: CESSNA	Model: 172N - CE-172-N
	Serial No.: 17272346	Nationality and Registration Mark: N 4739D
2. Owner	Name *(As shown on registration certificate)*: CORPORATE AIR CHARTER INC.	Address *(As shown on registration certificate)*: HGR. ONE GREEN AIRPORT WARWICK RI 02886

3. For FAA Use Only

4. Unit Identification / **5. Type**

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~ *(As described in Item 1 above)* ~~~~~				
POWERPLANT					
PROPELLER	McCAULEY	1C160 DTM7557 M1	736063	X	
APPLIANCE	Type				
	Manufacturer				

6. Conformity Statement

A. Agency's Name and Address	B. Kind of Agency	C. Certificate No.
NEW ENGLAND PROPELLER SERVICE, INC. EAST HADDAM, CT FAA REPAIR STATION # RC2R130L	U.S. Certificated Mechanic	RC2R130L Class 1 & 2
	Foreign Certificated Mechanic	
	X Certificated Repair Station	
	Manufacturer	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

Date	Signature of Authorized Individual
9-19-94	Michael P. Kelly

7. Approval for Return To Service

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is [X] APPROVED [ ] REJECTED

BY							Other *(Specify)*
		FAA Flt. Standards Inspector		Manufacturer		Inspection Authorization	
		FAA Designee	X	Repair Station		Person Approved by Transport Canada Airworthiness Group	

Date of Approval or Rejection	Certificate or Designation No.	Signature of Authorized Individual
9-19-94	RC2R130L	Michael P. Kelly

FAA Form 337 (12 88)

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. Description of Work Accomplished
(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)

This propeller was overhauled in accordance with Overhaul Manual 730720.
Total Time: UNKNOWN hrs. Time Since Overhaul: -0→ hrs.

Details of work performed are on file at New England Propeller Service, Inc, under Repair Station Work Order Number: CR-18314.

The following work was performed:

MAJOR OVERHAUL. BLADES REFINISHED. CHECKED TRACK, BALANCE, ANGLES AND PAINTED.
HUB DYE CHECKED

Major Parts Replaced

Nomenclature	Part #	Qty.	Reason.

The following Airworthiness Directives and Service Bulletins have been complied with as follows:

A.D.'s or S.B.'s	Revision Date	Applicable A.D., S.B. & Subject	Date & Hours @ compliance	Method of Compliance	one-time	recurr.	Next Compl. hrs./date
137E	11-2-92	TBO	9-19-94	RECONDITIONED PROPELLER		X	NEXT ENG. OVERHAUL

NOTICE TO INSTALLER AND F.A.A.

Upon installation of this propeller, the person performing the installation must complete blocks #1 and #2 of this F.A.A. form #337. The original copy of this F.A.A. form #337 is then given to the customer and a copy should be submitted to your local F.A.A. District Office, to comply with FAR Part 43, Per EA-AC65-19E, or latter approved revision.

Installer: Edward P. Clauson Date: 12-26-95

☐ Additional Sheets Are Attached

★ U.S.GPO.1990 0-568-012/40004

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 6-29-89

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

Approved
Bureau No. 04-R060.1

MAJOR REPAIR AND ALTERATION
(Airframe, Powerplant, Propeller, or Ap...

FOR FAA USE ONLY
OFFICE IDENTIFICATION
1584 NEO1

INSTRUCTIONS: Print or type all entries See FAR 43.9, FAR 43... for instructions and disposition of this form ...(or subsequent revision thereof)

1. AIRCRAFT	MAKE: CESSNA	MODEL: C-172 N
	SERIAL NO.: 17272346	NATIONALITY AND REGISTRATION MARK: N ...4
2. OWNER	NAME (As shown on registration certificate): CORPRATE AIR CHARTER	ADDRESS (As shown on registration certificate): T.F. GREENE AIRPORT 02886 HANGAR L WARWICK RI

3. FOR FAA USE ONLY

4. UNIT IDENTIFICATION

UNIT	MAKE	MODEL	SERIAL NO.	TYPE: REPAIR	TYPE: ALTERATION
AIRFRAME	(As described in item 1 above)				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE: / MANUFACTURER:				

6 CONFORMITY STATEMENT

A. AGENCY'S NAME AND ADDRESS	B. KIND OF AGENCY	C. CERTIFICATE NO.
CORPRATE AIR CHARTER T.F. GREENE AIRPORT WARWICK RI 02886	X U.S. CERTIFICATED MECHANIC	035-42-0084
	FOREIGN CERTIFICATED MECHANIC	
	CERTIFICATED REPAIR STATION	
	MANUFACTURER	

D. I certify that the repair and/or alteration made to the unit(s) identified in item 4 above and described on the reverse or attachments hereto have been made in accordance with the requirements of Part 43 of the U.S. Federal Aviation Regulations and that the information furnished herein is true and correct to the best of my knowledge.

DATE	SIGNATURE OF AUTHORIZED INDIVIDUAL
2/13/89	Dan L. Wilson

7. APPROVAL FOR RETURN TO SERVICE

Pursuant to the authority given persons specified below, the unit identified in item 4 was inspected in the manner prescribed by the Administrator of the Federal Aviation Administration and is ☒ APPROVED ☐ REJECTED

BY						
	☐ FAA FLT. STANDARDS INSPECTOR	☐ MANUFACTURER	☒ INSPECTION AUTHORIZATION	OTHER (Specify)		
	☐ FAA DESIGNEE	☐ REPAIR STATION	☐ CANADIAN DEPARTMENT OF TRANSPORT INSPECTOR OF AIRCRAFT			

DATE OF APPROVAL OR REJECTION	CERTIFICATE OR DESIGNATION NO.	SIGNATURE OF AUTHORIZED INDIVIDUAL
2/13/89	035420084	Dan L. Wilson

FAA Form 337 (7-67) (8320)

FAA AIRCRAFT REGISTRY
CAMERA NO. 3 DATE: 6-29-89

NOTICE

Weight and balance or operating limitation changes shall be entered in the appropriate aircraft record. An alteration must be compatible with all previous alterations to assure continued conformity with the applicable airworthiness requirements.

8. DESCRIPTION OF WORK ACCOMPLISHED *(If more space is required, attach additional sheets. Identify with aircraft nationality and registration mark and date work completed.)*

INSTALLED APOLLO LORAN 602
P/N 430-0015-10-0 T.S.O. C 60A
D.Q 160A S/N 06290 IN RH INSTRUMENT
PANNEL AT STATION 16.6, INSTALLED
ANTENNA TOP SURFACE CENTERLINE STATION
56.0 ALL WORK PERFORMED AS PER
MANUFACTURES INSTRUCTIONS, 43-13 1A,
2A, A.C. 20-121A, RELISED WT-1B1L
AND RECORDED IN A/C RECORDS, PLACARDED
INSTRUMENT PANNEL OVER LORAN.
"LORAN SYSTEM TO BE USED FOR VFR ONLY"
P/N 565-1008.

Jack Wilson
3542008 #1.

— END —

☐ ADDITIONAL SHEETS ARE ATTACHED

C FAA AC 78-4908

☆ U.S. GPO: 1981 - 775-332/47

FAA AIRCRAFT REGISTRY
CAMERA NO. 5N DATE: 2-4-85

Form Approved
Budget Bureau No. 04-R0058

DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

APPLICATION FOR AIRWORTHINESS CERTIFICATE

INSTRUCTIONS—Print or type. Do not write in shaded areas; these are for FAA use only. Submit original only to an authorized FAA Representative. If additional space is required, use an attachment. For special flight permits complete Sections II and VI or VII as applicable.

I. AIRCRAFT DESCRIPTION

1. REGISTRATION MARK	2. AIRCRAFT BUILDER'S NAME (make)	3. AIRCRAFT MODEL DESIGNATION	4. YR. MFG.	FAA CODING
N4739D	Cessna	172N	1979	2072434
5. AIRCRAFT SERIAL NO	**6. ENGINE BUILDER'S NAME (make)**	**7. ENGINE MODEL DESIGNATION**		41508
17272346	Lycoming	O-320-H2AD		
8. NUMBER OF ENGINES	**9. PROPELLER BUILDER'S NAME (make)**	**10. PROPELLER MODEL DESIGNATION**		**11. AIRCRAFT IS.**
One	McCauley	1C160/DTM7557		IMPORT

II. CERTIFICATION REQUESTED

APPLICATION IS HEREBY MADE FOR: (Check applicable items)

A. 1. [X] STANDARD AIRWORTHINESS CERT. (Indicate category) — [X] NORMAL [X] UTILITY [ ] ACROBATIC [ ] TRANSPORT [ ] GLIDER [ ] BALLOON

B. SPECIAL AIRWORTHINESS CERTIFICATE (Check appropriate items)

- 2. LIMITED
- 5. PROVISIONAL (Indicate class) — 1. CLASS I; 2. CLASS II
- 3. RESTRICTED (Indicate operation(s) to be conducted) — 1. AGRICULTURE & PEST CONTROL; 2. AERIAL SURVEYING; 3. AERIAL ADVERTISING; 4. FOREST (Wild life conservation); 5. PATROLLING; 6. WEATHER CONTROL; 0. OTHER (Specify)
- 4. EXPERIMENTAL (Indicate operation(s) to be conducted) — 1. RESEARCH AND DEVELOPMENT; 2. AMATEUR BUILT; 3. EXHIBITION; 4. RACING; 5. CREW TRAINING; 6. MKT. SURVEY; 0. TO SHOW COMPLIANCE WITH FAR
- 8. SPECIAL FLIGHT PERMIT (Indicate operation to be conducted then complete Section VI or VII as applicable on reverse side) — 1. FERRY FLIGHT FOR REPAIRS, ALTERATIONS, MAINTENANCE OR STORAGE; 2. EVACUATE FROM AREA OF IMPENDING DANGER; 3. OPERATION IN EXCESS OF MAX. CERTIFICATED TAKE-OFF WEIGHT; 4. DELIVERING OR EXPORT; 5. PRODUCTION FLIGHT TESTING

C. 6. MULTIPLE AIRWORTHINESS CERTIFICATE (Check appropriate Restricted Operation and Standard or Limited as applicable above)

III. OWNER'S CERTIFICATION

A. REGISTERED OWNER (As shown on Certificate of Aircraft Registration) — IF DEALER, CHECK HERE → [X]

NAME: Cessna Aircraft Company
ADDRESS: 5800 East Pawnee Road, Wichita, Kansas 67201

B. AIRCRAFT CERTIFICATION BASIS (Check applicable blocks and complete items as indicated)

- [X] AIRCRAFT SPECIFICATION OR TYPE CERTIFICATION DATA SHEET (Give No. and Revision No.): 3A12 Rev. 45
- [X] AIRWORTHINESS DIRECTIVES (Check if all applicable AD's complied with and give latest AD No.): 79-01
- [ ] AIRCRAFT LISTING (Give page No(s).)
- [ ] SUPPLEMENTAL TYPE CERTIFICATE (List number of each STC incorporated)

C. AIRCRAFT OPERATION AND MAINTENANCE RECORDS

- [X] CHECK IF RECORDS IN COMPLIANCE WITH FAR 91.173
- TOTAL AIRFRAME HOURS—: 1.3
- 3. EXPERIMENTAL ONLY—Enter hours flown since last certificate issued or renewed

D. CERTIFICATION—I hereby certify that I am the owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy and eligible for the airworthiness certificate requested.

DATE OF APPLICATION	NAME AND TITLE (Print or type)	SIGNATURE
2-9-79	William A. Boettger, Pawnee Div. Gen. Mgr.	William A. Boettger

IV. INSPECTION AGENCY VERIFICATION

A. THE AIRCRAFT DESCRIBED ABOVE HAS BEEN INSPECTED AND FOUND AIRWORTHY BY: (Complete this section only if FAR 21.183 (d) applies)

- 2. FAR PART 121 OR 127 CERTIFICATE HOLDER (Give Certificate No.)
- 3. CERTIFICATED MECHANIC (Give Certificate No.)
- 6. CERTIFICATED REPAIR STATION (Give Certificate No.)
- 5. AIRCRAFT MANUFACTURER (Give Name of Firm)

DATE	TITLE	SIGNATURE

V. FAA REPRESENTATIVE CERTIFICATION

(Check ALL applicable blocks) I find that the aircraft described in Section I or VII meets the requirements for: [X] The certification requested, or [ ] Amendment or modification of its current airworthiness certificate. Inspection for a special flight permit under Section VII was conducted by: [ ] FAA Inspector, [ ] certificate holder under [ ] FAR 65, [ ] FAR 121 or 127, or [ ] FAR 145.

DATE	DISTRICT OFFICE	4. DESIGNEE'S SIGNATURE AND NO.	1. FAA INSPECTOR'S SIGNATURE
2-21-79	ICT EMDO 3-0-43	Cessna Aircraft Co., Pawnee Div. Delegation Option Authority, Dot. By L. P. Selenke, Executive Engineer	

FAA Form 8130-6 (7-70)

FAA AIRCRAFT REGISTRY
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VI. PRODUCTION FLIGHT TESTING

A. MANUFACTURER

NAME	ADDRESS

B. PRODUCTION BASIS *(Check applicable item)*

- [ ] PRODUCTION CERTIFICATE *(Give production certificate number)*
- [ ] TYPE CERTIFICATE ONLY
- [ ] APPROVED PRODUCTION INSPECTION SYSTEM

C. GIVE QUANTITY OF CERTIFICATES REQUIRED FOR OPERATING NEEDS:

DATE OF APPLICATION	NAME AND TITLE *(Print or type)*	SIGNATURE

VII. SPECIAL FLIGHT PERMIT PURPOSES OTHER THAN PRODUCTION FLIGHT TEST

A. DESCRIPTION OF AIRCRAFT

REGISTERED OWNER	ADDRESS
BUILDER *(Make)*	MODEL
SERIAL NUMBER	REGISTRATION MARK

B. DESCRIPTION OF FLIGHT

FROM	TO	
VIA	DEPARTURE DATE	DURATION

C. CREW REQUIRED TO OPERATE THE AIRCRAFT AND ITS EQUIPMENT

- [ ] PILOT
- [ ] CO-PILOT
- [ ] NAVIGATOR
- [ ] OTHER *(Specify)*

D. THE AIRCRAFT DOES NOT MEET THE APPLICABLE AIRWORTHINESS REQUIREMENTS AS FOLLOWS:

E. THE FOLLOWING RESTRICTIONS ARE CONSIDERED NECESSARY FOR SAFE OPERATION *(Use attachment if necessary)*

F. CERTIFICATION—I hereby certify that I am the registered owner (or his agent) of the aircraft described above; that the aircraft is registered with the Federal Aviation Administration in accordance with Section 501 of the Federal Aviation Act of 1958, and applicable Federal Aviation Regulations; and that the aircraft has been inspected and is airworthy for the flight described.

DATE	NAME AND TITLE *(Print or type)*	SIGNATURE

VIII. AIRWORTHINESS DOCUMENTATION (FAA use only)

- [X] A. Operating Limitations and Markings in Compliance with FAR 91.31 as Applicable
- [ ] B. Current Operating Limitations Attached
- [ ] C. Data, Drawings, Photographs, etc. *(Attach when required)*
- [X] D. Current Weight and Balance Information Available in Aircraft
- [ ] E. Major Repair and Alteration, FAA 337 *(Attach when required)*
- [X] F. This Inspection Recorded in Aircraft Records
- [ ] G. Statement of Conformity, FAA Form 317 *(Attach when required)*
- [ ] H. Foreign Airworthiness Certification for Import Aircraft *(Attach when required)*
- [ ] I. Previous Airworthiness Certificate Issued in Accordance with FAR _____ CAR _____ *(Original attached)*
- [X] J. Current Airworthiness Certificate Issued in Accordance with FAR 21.183 (a) *(Copy attached)*

typed by # 22

FAA AIRCRAFT REGISTRY
CAMERA NO. 5N DATE: 2-4-85

UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION FEDERAL AVIATION ADMINISTRATION

STANDARD AIRWORTHINESS CERTIFICATE

1 NATIONALITY AND REGISTRATION MARKS	2 MANUFACTURER AND MODEL	3 AIRCRAFT SERIAL NUMBER	4 CATEGORY
N4739D	CESSNA 172N	17272346	NORMAL & UTILITY

5 AUTHORITY AND BASIS FOR ISSUANCE
This airworthiness certificate is issued pursuant to the Federal Aviation Act of 1958 and certifies that, as of the date of issuance, the aircraft to which issued has been inspected and found to conform to the type certificate therefor, to be in condition for safe operation, and to have been shown to meet the requirements of the applicable comprehensive and detailed airworthiness code, as provided by Annex 8 to the Convention on International Civil Aviation, except as noted herein.
Exceptions.

NONE

6 TERMS AND CONDITIONS
Unless sooner surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator, this airworthiness certificate is effective as long as the maintenance, preventative maintenance, and alterations are performed in accordance with Parts 43 and 91 of the Federal Aviation Regulations, as appropriate, and the aircraft is registered in the United States.

DATE OF ISSUANCE	FAA REPRESENTATIVE AUTHORIZED BY THE ADMINISTRATOR	DESIGNATION NUMBER
2-21-79	L. P. Selenke	DOA-PC4

Any alteration, reproduction, or misuse of this certificate may be punishable by a fine not exceeding $1,000, or imprisonment not exceeding 3 years, or both. THIS CERTIFICATE MUST BE DISPLAYED IN THE AIRCRAFT IN ACCORDANCE WITH APPLICABLE FEDERAL AVIATION REGULATIONS.

FAA Form 8100-2 (7-67) FORMERLY FAA FORM 1362

U.S. Government Printing Office — 1976-675-538

FAA AIRCRAFT REGISTRY
CAMERA NO. 5N DATE: 2-4-85

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