



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

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 \$1000 for each such violation (Section 901 Federal Aviation Act of 1958).

1. Aircraft	Make AERONCA	Model 7AC
	Serial No. 7AC - 3721	Nationality and Registration Mark N84997
2. Owner	Name (As shown on registration certificate) Frank L. Isbell	Address (As shown on registration certificate) 5811 Fitzhugh Ave Richmond, VA 23226

3. For FAA Use Only

"The data identified herein complies with the applicable airworthiness requirements and is approved for the above described aircraft, subject to conformity inspection by a person authorized in FAR Part 43, Section 43.7."

District Office Date FAA Inspector

4. Unit Identification

5. Type

Unit	Make	Model	Serial No.	Repair	Alteration
AIRFRAME	~~~~~(As described in item 1 above)~~~~~				X
POWERPLANT					
PROPELLER					
APPLIANCE	TYPE				
	MANUFACTURER				

6. Conformity statement

A. Agency's Name and Address Frank Isbell 13110 Beach Rd. Chesterfield, VA 23838	B. Kind of Agency	C. Certificate No. A&P 223649293
	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	
	<input type="checkbox"/> Foreign Certificated Mechanic	
	<input type="checkbox"/> Certificated Repair Station	
	<input type="checkbox"/> 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 6/6/00	Signature of Authorized Individual
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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

FAA Fit. Standards Inspector	Manufacturer	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
FAA Designee	Repair Station	Person Approved by Transport Canada Airworthiness Group	

Date of approval or Rejection 6/6/00	Certificate or Designation No. 223649293	Signature of Authorized Individual Frank Isbell
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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.)

Installation of C-85-12 engine and conversion of aircraft to 7DC specs.

Removed Continental A-65 and installed a Continental C-85-12 without starter and generator installed. Continental aluminum cover plates installed over accessory drive pads.

Installed fuselage reinforcement kit # 164 per Champion Service Letter #14.

Installed Clamp-on Dorsal fin kit # 178 per Champion Service Letter #14. Which under Aircraft Specification A-759 allows gross weight increase to 1300 lbs.

Installed 5.5 gallon fuel tank Aeronca PN: 7-1001 and associated fuel lines in left wing per Aeronca drawing 7-796.

All control surface throws were changed to match Model 7DC control travels as listed in **FAA Aircraft Specification A-759, Revision 66, dated August 25, 1997.**

Installed new engine mount, Aeronca PN: 4-844, new top and bottom cowl assemblies, Aeronca PN's: 7-1068 and 7-1069. Installed all new engine baffles as shown in Champion Service Letter #14.

The original 7AC exhaust system was used and a Carb heat rise test was performed per the requirements of FAR 23.1093 and was found to exceed the minimum 90 degree increase.

Installed Sensenich prop M76AK-2, item # 8 as shown in **Aircraft Specification A-759.** Prop pitch selected to keep engine within RPM limitations.

The manufactures data plate has been stamped "7AC-CONV" iaw Champion Service Letter #14.

Baggage compartment placard changed to 50 lbs.

Instrument markings changed to match 7DC requirements per **Aircraft Specification A-759.**

CG range changed to 7DC specs per **Aircraft Specification A-759.**

The required placards remain the same as prescribed in A-759, Note 2.

The aircraft has been placed on scales and the weight and balance data computed and the aircraft is within Model 7DC limits.

END

Additional Sheets Are Attached