



U.S. 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 \$1,000 for each such violation (Section 901 Federal Aviation Act 1958)

1. Aircraft	Make <b>AERONCA</b> Serial No. <b>7AC-5926</b>	Model <b>7AC</b> Nationality and Registration Mark <b>USA-N 2349E</b>
2. Owner	Name (As shown on registration certificate) <b>Shawn C Dawson</b>	Address (As shown on registration certificate) <b>7414 Courtside Dr Garland TX 75044</b>

### 3. For FAA Use Only

The data identified herein complies with the applicable airworthiness requirements and is approved only for the above described aircraft, subject to conformity inspection by person authorized in 14 CFR 43.7. Compatibility of this design change with previous approved modifications must be determined by the installer.

Date 4/28/2015  
 Signature of FAA Inspector - [Signature] SAN FDBO, WP 09

### 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	B. Kind of Agency	C. Certificate No.
<b>ROB TURNER 7237 Werner Street San Diego CA 92122-2833</b>	<input checked="" type="checkbox"/> U.S. Certified Mechanic	<b>2634677 A&amp;P</b>
	<input type="checkbox"/> Foreign Certified Mechanic	
	<input type="checkbox"/> Certified 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	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

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

Date of Approval or Rejection	Certificate or Designation No. <b>2634677 IA</b>	Signature of Authorized Individual
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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.)*

#### **Conversion of Aeronca 7AC/EC to Hydraulic Disc Brakes**

Removed Cleveland wheels and brakes and installed Grove wheels and brakes per Grove drawings 020-076, 61-1001, and 29-1001B Rev 1R. These drawings are incorporated by reference.

Removed Scott master cylinders and replaced with Grove Part Nos. 95-1 and 95-2. Mounting is identical to the parts removed. Drawings for these parts are incorporated by reference.

Hydraulic fluid conforming to MIL PRF 46176B or grade 5606 is used in this installation.

Flexible hose connections are replaced with new stock, tested to 4000 psi and certified to have bursting pressures 5000 psi and above under safety standards of 49 CFR 571.106. These hoses conform to Spec SAE-J-1401.

This installation meets certification standards of CAR 3.363 and 14 CFR 23.735. All work was accomplished in accordance with standard practices of AC43.13-1B and AC43.13-2B

An operational check was performed showing adequate braking action conforming with certification standards. Leak checked ok.

**Instructions for Continued Airworthiness** consist of checking the brake system for condition and leaks in accordance with 14 CFR Part 43 Appendix D at each annual inspection and checking the brake fluid level each 50 hours.

End