



U.S. 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 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 N96872	Serial No. 9172	
	Make TAYLORCRAFT	Model BC12-D	Series 2PCLM
2. Owner	Name (As shown on registration certificate) HICKS TIMOTHY J	Address (As shown on registration certificate)	
		Address 64 WELDON CIR City PONCHATOULA Zip 70454	State LA Country USA

"The technical data identified herein has been found to comply with applicable airworthiness requirements and is hereby approved for use only on the above described aircraft, subject to conformity inspection by a person authorized in § 43.7."

Date 09/15/2014 Signature [Signature]

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	_____	(As described in item 1 above)	_____
<input type="checkbox"/>	<input type="checkbox"/>	POWERPLANT			
<input type="checkbox"/>	<input type="checkbox"/>	PROPELLER			
<input type="checkbox"/>	<input type="checkbox"/>	APPLIANCE	Type		
			Manufacturer		

6. Conformity Statement

A. Agency's Name and Address		B. Kind of Agency	
Name	JAMES J. SHAW	<input checked="" type="checkbox"/> U.S. Certificated Mechanic	Manufacturer
Address	24586 GLIDERPORT RD.	<input type="checkbox"/> Foreign Certificated Mechanic	C. Certificate No.
City	LORANGER State LA	<input type="checkbox"/> Certificated Repair Station	3123233
Zip	70446 Country USA	<input type="checkbox"/> 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 [Signature] 3/1/2015

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 Fit. Standards Inspector	Manufacturer	Maintenance Organization	Person Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	Other (Specify)
Certificate or Designation No. 3123233		Signature/Date of Authorized Individual <u>[Signature]</u> <u>3/1/2015</u>		

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.)

N96872

Nationality and Registration Mark

3/1/2015

Date

Removed original equipment Shinn wheels and brakes. Installed a Grove Aircraft Landing Gear Systems Inc. Taylorcraft axle sleeve, p/n 5045 over each tapered axle. Installed a Grove torque plate, p/n 020-074 to each existing axle flange to accommodate the new hydraulic brake caliper assemblies. Installed a Grove 33-1A brake caliper assembly to each torque plate. Installed onto each axle, a Grove 6.00 x 6 wheel assembly, p/n 61-1A with a Grove outer press cap, p/n 5725, the original axle nut and a new cotter pin. Installed two Scott master cylinders, p/n 1248H and 1260H on the floorboard in the approximate location as the original mechanical brake pedals. Flexible Aeroquip 666 hydraulic hose and re-useable 37 degree flare fittings were used to connect each Scott master cylinder to its respective brake caliper. This hydraulic brake installation was performed in accordance with the applicable paragraphs of Advisory Circular 43.13-1B, chapter 9, section 2 "Hydraulic Systems".

Aircraft re-weighed prior to flight and the new weight and balance recorded in the aircraft records.

Instructions for continued airworthiness: Original size 6.00 x 6 tires and inner tubes are to be used with the new Grove wheel assemblies. Tire pressures are to be maintained in accordance with the original Taylorcraft service manual. New wheel bearing servicing and inspection intervals to remain the same as the original Taylorcraft service instructions. The hydraulic system is to be serviced with MIL-H-5606 hydraulic fluid. Brake pads are to be replaced as required by indication of the wear markers with 66-111 brake pads. Inspection of the brake system to be accomplished at applicable intervals (100 hrs or Annually) using FAR 43 Appendix D, and applicable paragraphs of Advisory Circular 43.13-1B, chapter 9, section 2 "Hydraulic Systems".

-----NOTHING FOLLOWS-----

Additional Sheets Are Attached