



US Department
of Transportation
Federal Aviation
Administration

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

OMB No. 2120-0020
Exp. 5/31/2018

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 N402X	Serial No. 7035C	
	Make Maule	Model M-5-235C	Series
2. Owner	Name (As shown on registration certificate) Weyrauch Paul H	Address (As shown on registration certificate) Address 11392 62nd ST NW	
		City Ray	State ND
		Zip 58449-9282	Country USA

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 by FAR Part 43, Section 43.7.

NM05 9/19/2018

District Office

Date

Signature of FAA Inspector

4. Type		5. Unit Identification			
Repair	Alteration	Unit	Make	Model	Serial No.
<input type="checkbox"/>	<input checked="" type="checkbox"/>	AIRFRAME	<u>Maule</u>	(As described in Item 1 above)	<u>7035C</u>
<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		C. Certificate No. A&P 3103593
Name <u>Russell Leader</u>	Address <u>63 Airport Rd</u> City <u>Glasgow</u> State <u>MT</u> Zip <u>59230</u> Country <u>USA</u>	<input checked="" type="checkbox"/> U. S. Certificated Mechanic	Manufacturer	
		<input type="checkbox"/> Foreign Certificated Mechanic		
		<input type="checkbox"/> Certified Repair Station		
		<input type="checkbox"/> Certified 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 <input type="checkbox"/>	Signature/Date of Authorized Individual <u>Russell Leader</u> <u>9-20-18</u>
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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 FTL Standards Inspector	Manufacturer	Maintenance Organization	Persons Approved by Canadian Department of Transport
	FAA Designee	Repair Station	<input checked="" type="checkbox"/> Inspection Authorization	

Certificate or Designation No. IA 3103593	Signature/Date of Authorized Individual <u>Russell Leader</u> <u>9-20-18</u>
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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.)

N402X

9/12/2018

Nationality and Registration Mark

Date

Installed Desser Aero Classic H31X11.0-10 4 ply tubeless tires on previously installed Grove 10" wheels IAW which will provide adequate braking for oversized tires. Tires were inflated to 15 psi and slippage marks applied. Ground taxi tested with heavy braking to check for tire slippage on wheel rim, no slippage noted. Tire, wheel and brake installation inspected to assure positive clearance of tires from brake calipers and back plate from brake disc. Aircraft test flown at minimum weight with most forward and most aft C.G. and gross weight with most forward and most aft C.G. in all flight attitudes at speeds from stall speed to Vne with no adverse effects noted. Test flight recorded in aircraft log book 10/22/2018. A copy of AC 23.733-1 was given to the aircraft owner. Reweighed aircraft new empty weight 1544, new empty weight C.G. 8.78 and new useful load 956. Updated aircraft equipment list. Instructions for continued airworthiness are on page two. Aircraft TT 1988.5

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☒ Additional Sheets Are Attached

INSTRUCTIONS FOR CONTINUED AIRWORTHINESS

A/C Make: Maule Model: M-5-235-C S/N: 7035C Reg. #: N402X
Revision: A Date: 9/20/2018

This sixteen item checklist are Instructions for Continued Airworthiness (ICA), to comply with FAA Handbook Bulletin for Airworthiness (HBAW 98-18 Dated October 7, 1998), are applicable to the aircraft listed above when the following equipment is installed:

1. **Introduction:** Altered aircraft landing gear by installing oversized tires
2. **Description:** Removed Alaska Bushwheel tires and installed Desser H31x11.0-10 10" Grove wheels previously installed under field approval dated 9/20/2018.
3. **Control:** No special procedures required
4. **Servicing information:** Service with compressed air or nitrogen as available minimum pressure 15 psi maximum pressure 35 psi
5. **Maintenance Instructions:** Maintain tire in accordance with AC 43.13-1B 9-13 and 9-14 each annual inspection.
6. **Trouble shooting information:** Trouble shoot tire in accordance with standard practice
7. **Removal and replacement information:** Remove and replace tire in accordance with standard practices
8. **Diagrams:** No diagrams required
9. **Special inspection requirements:** No special inspections required
10. **Application of protective treatments:** No protective treatments required
11. **Data:** Tighten fasteners in accordance with Grove Tubeless Main Wheel and Tire Installation Instructions included in N402C 337 dated 9/20/2018
12. **List of special tools:** No special tools required
13. **For commuter category aircraft:** Not applicable aircraft certified in normal category
14. **Recommended overhaul periods:** No additional overhaul time limitations
15. **Airworthiness Limitation Section:** No additional airworthiness limitations
16. **Revision:** For revision to the ICA or 337 a letter and two copies of the revised ICA and 337 will be mailed to the local FSDO