



FAA: *Cindy Leary*
Date: JUN 28 2004

Service Bulletin No. 24

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Date: 06/07/04

SUBJECT: Brake Cylinder Brackets

AIRPLANES AFFECTED: All Maule Models

STATUS: This Service Bulletin is cautionary regarding possible cracking of the brackets welded on to the fuselage frame which support the brake cylinders. These brackets are located in line with, just forward of, and below the rudder pedals.

BACKGROUND: This Service Bulletin is prompted by reports from maintenance shops that indicate at least three cases of P/N 3152E-16 or-17 brackets cracking or separating from the fuselage structural tubing at the weld joint. The brake cylinder becomes non-functional when its lower end is no longer anchored. The resultant loss of control could cause a serious problem during landing or taxiing.

COMPLIANCE: Initial compliance with this Service Bulletin is recommended within the next 25 hours of flight if total time is 50 hours or greater. Immediate compliance is required for the cylinders in use after any incident requiring extremely hard braking. Subsequent inspections should be part of the 100 hour or annual inspections.

ACTION TO BE TAKEN:

1. Remove the rudder bar cover which is located on the floor under the rudder pedal.
2. With a good light, magnifying glass, and mirror carefully inspect the four (4) brake cylinder attach brackets. Look for cracking in the weld joints (and adjacent to the weld joints) which attach the brackets to the fuselage tubes. Visually inspect the integrity of the brackets and the attachment of the brake cylinders to the brackets.
3. Immediately report any indications of failure to Maule Air Inc.
Preferably to:

Tel: 229- 985-2045 Engineering Ext. 238

Service Ext. 239 or

Fax: 229-985-2048 or 229-890-2402

Attn: Engineering Dept: or

E-Mail engineering@mauleairinc.com

Reports of failures will be initially evaluated on a case by case basis while improvements and a possible repair kit are being developed.

Caution: Do not fly until cracks are repaired.

4. Reinstall the rudder bar cover after completion of inspection and/or correction.
5. Fill out the accompanying Compliance Record Sheet and return to Maule Aerospace Technology, Inc. Make a normal logbook entry.



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COMPLIANCE RECORD SHEET

(First Inspection Only)

Aircraft Model _____

Aircraft Serial No. _____

Action taken (PLEASE CHECK):

Complied with this Maule Service Bulletin No. 24.

Inspected and found satisfactory

Inspected and found crack or other discrepancy

Person contacted _____

Date of contact: _____

Method of contact:

Phone _____ Fax _____ Email _____

Total Time on airplane _____ Hours

Owner's Name _____

Owner's Address _____

City _____ State _____ Zip _____

Certified by _____ Title _____
Signature Owner, A & P. IA. Etc.

Date performed _____

If you no longer own this airplane, please fill in new owner's information and return to factory address below:

New Owner's Name _____

New Owner's Address _____

City _____ State _____ Zip _____

Please mail this completed Compliance Record Sheet to: Maule Aerospace Technology, Inc. ~
Attention: Virginia Davis, Engineering Records ~ 2099 Georgia Highway 133 South ~ Moultrie, GA
31788 USA