



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 Boeing | Model E75N1 |
| | Serial No. 75-8709 | Nationality and Registration Mark N3976B |
| 2. Owner | Name (As shown on registration certificate) Bates, David J. | Address (As shown on registration certificate) 6215 Elgin Ct Fairbault, MN 55021 |

3. For FAA Use Only

THE DATA IDENTIFIED HEREIN COMPLIES WITH APPLICABLE AIRWORTHINESS REQUIREMENTS AND IS APPROVED ONLY FOR THE ABOVE DESCRIBED AIRCRAFT SUBJECT TO CONFORMITY INSPECTION BY A PERSON AUTHORIZED IN FAR 43.7.

DATE 04/17/2001 *Doug E. Erbey*
FAA INSPECTOR (MSP FSDO)

4. Unit Identification

5. Type

| Unit | Make | Model | Serial No. | Repair | Alteration |
|-------------------|--|-----------------|--------------|--------|------------|
| AIRFRAME | ~~~~~ (As described in item 1 above) ~~~~~ | | | | X |
| POWERPLANT | Pratt & Whitney | R985-14B | 18144 | | |
| PROPELLER | | | | | |
| APPLIANCE | Type | | | | |
| | Manufacturer | | | | |

6. Conformity Statement

| | | |
|---|--|---------------------------|
| A. Agency's Name and Address | B. Kind of Agency | C. Certificate No. |
| Douglas E. Erbey 11318 Xavier Cir. Bloomington, MN 55437 | <input checked="" type="checkbox"/> U.S. Certificated Mechanic | 574304227 A&P |
| | <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 3-28-2001 | Signature of Authorized Individual <i>Douglas E. Erbey</i> |
|-----------------------|---|

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 | | | | | |
| | | <input checked="" type="checkbox"/> APPROVED | | <input type="checkbox"/> REJECTED | |
| BY | <input type="checkbox"/> FAA Fit. Standards Inspector | <input type="checkbox"/> Manufacturer | <input checked="" type="checkbox"/> | <input type="checkbox"/> Inspection Authorization | Other (Specify) |
| | <input type="checkbox"/> FAA Designee | <input type="checkbox"/> Repair Station | <input type="checkbox"/> | <input type="checkbox"/> Person Approved by Transport Canada Airworthiness Group | |
| Date of Approval or Rejection 4-18-2001 | | Certificate or Designation No. 574304227 | | Signature of Authorized Individual <i>Douglas E. Erbey</i> | |

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.)

1. Installed Aviation Development Corporation high flow spin-on oil filter adapter assy. p/n 50003-1 on aircraft & engine at firewall sta. -11. Installation is similar to installation approved under STC SA00402SE and FAA approval list no. SA00402SE, items 41, 45, 47. Installation similar to report # SP035 for Beechcraft model 18 series aircraft using Pratt & Whitney R-985 series engines. Installation conforms to AC 43.13-1B chapt. 8, sec. 1; chapt. 9, sec.2; chapt. 11, sec. 11, and AC 43.13-2A chapt. 1. Oil lines fabricated from Aeroquip 156-16, using fittings AN680-16D and AN676-16D. Engine retains original oil screen. Spin-on oil filter to be used is Champion CH48104.
2. Revised weight and balance records and equipment list.

Instructions for continued Airworthiness

1. Installed ADC oil filter system p/n 50003-1 on the airframe/engine of this aircraft.
2. The add on oil filtration system aids in the filtration of the oil system in conjunction with the original engine oil screen. System installed between oil scavage pump and oil cooler.
3. Control & operation: N/A
4. Access to filter is right side of firewall in engine compartment.
5. Maintenance instructions: during 100 hour/annual inspections, replace oil filter if oil change required per Champion oil filter model instructions, inspect filter and bracket, oil lines and clamping. Perform oil leak check after oil system maintenance.
6. Trouble shooting: Per Aviation Development Corporation instructions and Champion Aviation Products instructions.
7. Removal and replacement: Replace or repair worn or damaged parts as required.
8. Diagrams: N/A
9. Special inspections: N/A
10. Applications of special treatments: N/A
11. Data: As required per ADC instructions.
12. Special tools: N/A
13. Commuter Category aircraft: N/A
14. No additional overhaul time limitations.
15. No additional airworthiness limitations.
16. Revisions: N/A

***** End Report *****

Additional Sheets Are Attached