

Department of Transportation - Federal Aviation Administration

Supplemental Type Certificate

Number SA00172SE

This certificate, issued to

**Valley Air Service, Inc.
5013 Hubler Lane
Caldwell, ID 83605**

certifies that the change in the type design for the following product with the limitations and conditions therefore as specified hereon meets the airworthiness requirements of Part 8 of the Civil Air Regulations.

Original Product—Type Certificate Number: A4SW
Make: THRUSH AIRCRAFT, INC. (Snow, Rockwell, Ayres)
Model: S2R, S2R-R1340, S2R-R3S, S2R-R1820, S2R-T34, S2R-T11, S2R-T15, S2R-T45, S2R-T65, S2R-G1, S2R-G5, S2R-G6, S2R-G10, and S2RHG-T65

Description of the Type Design Change: Installation of the following Garrett engines: TPE331-1-151A, -151K, -151G; TPE331-2-201A, -201C, or TPE331-6-252M, -252B, -252T, in combination with a Hartzell HC-B3TN-5(M)/T10282+4 propeller in accordance with Ag-Air Systems, Inc. fabrication and installation documents Master Drawing List 34100-401, Revision F, dated July 11, 1996, and Manufacturing Specifications Manual AASI-MIA, Revision B, dated November 7, 1994, or later FAA-approved revisions.

(See Continuation Sheet Page 3 of 3 Pages)

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

(See Continuation Sheet Page 3 of 3 Pages)

This certificate and the supporting data which is the basis for approval shall remain in effect until surrendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: February 11, 1997

Date reissued: 6/28/06; 2/7/07; 12/3/13

Date of issuance: March 26, 1997

Date amended: 2/15/96; 9/6/96; 12/6/96



By direction of the Administrator

(Signature)

Manager, Seattle Aircraft Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

DepartmentofTransportation - FederalAviationAdministration

Supplemental Type Certificate

(Continuation Sheet)

Number SA00172SE

Valley Air Service, Inc.

Issued: March 26, 1997

Reissued: 6/28/06; 2/7/07; 12/3/13

Amended: 2/15/96; 9/6/96; 12/6/96

Description of the Type Design Change Continued:

The modified aircraft must be operated in accordance with FAA approved Ag-Air Systems, Inc., Airplane Flight Manual Supplement AASI-FM-300, revision F, dated November 12, 1996, and maintained in accordance with Instructions for Continued Airworthiness, AASI-NM-400, Revision C, dated September 3, 1996, or later FAA approved revisions.

Installation of one of the following Garrett engines: TPE331-5-252K, 252M, -252D, -254K, -258K, TPE331-10-511C, -511K, or -511M, in combination with a Hartzell HC-B4TN-5NL/LT10890N or HC-B4TN-5PL/LT10890N propeller in accordance with Ag-Air Systems, Inc., fabrication and installation documents, Master Drawing List 34350-401, Revision E, dated November 12, 1996, and Manufacturing Specification Manual AAS-M1A, Revision B or later FAA approved revisions.

Limitations and Conditions Continued:

Prior to installation of TPE331-10 series engines, modifications described in Ayers SB-AG-16, dated April 1, 1984, must be incorporated into S2R-R1820. A copy of this Certificate, the FAA approved Airplane Flight Manual Supplement, and the Instructions for Continued Airworthiness must be maintained as part of the permanent records for the modified aircraft.

Operational Requirement: Federal Aviation Regulation (FAR) 21.5 requires that continued airworthiness maintenance procedures (maintenance and inspection program) for the modified portion of the airframe structure be made available to the operator and regulatory authority at the time the aircraft is returned to service. Instructions for continued airworthiness have been provided for this change in type design as required by FAR 21.50. Operators must comply with instructions in Maintenance Manual AASI-MM-400, item 13.

- END -

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.