United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SE4941NM

This certificate, issued to Merlyn Products

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 13 *of the* Civil Air *Regulations* as Amended by 13-1, 13-2, and 13-3.

Original Product — Type Certificate Number: 1E4

Make: Lycoming

Model: IO-540-S1A5

Description of Type Design Change: Install low-compression pistons, new fuel servo and new fuel pump, in accordance with Merlyn Products, Inc. installation Report 25-4, dated January 10, 1990, or later FAA approved revision.

Limitations and Conditions: Approval of this change in type design applies to the above model engines only. This approval should not be extended to other engines 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 engine. A copy of this Certificate and the Continuation Sheet must be maintained as part of the permanent records for the modified engine. (cont.)

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: January 11, 1990

Date of issuance: May 30, 1990

Date reissued:

Date amended:

By direction of the Administrator

Stewart K Miller

(Signature)

Assistant 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.

FAA Form 8110-2 (10-68)

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Supplemental Type Certificate

(Continuation Sheet)

Number SE4941NM

LIMITATIONS & CONDITIONS: (continued)

Engine Model: IO-540-S1A5(AE)

Engine Limits: 2425 RPM, 37 in. Hg MAP, 290 HP all operations.

- END -

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

FAA FORM 8110-2-1 (10-69)

This certificate may be transferred in accordance with FAR 21.47.