United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA4317NM

This certificate, issued to Allen E. Timberman

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 * *of the* * *Regulations.*

Original Product—Type Certificate Number: *See Attached Approved Model List (AML) No. SA4317NM for list of approved airplane models and applicable airworthiness regulations.

Make:

Model:

Description of Type Design Change: Installation of an oil filter, filter base, and mounting plate on the firewalls of those airplanes listed on AML SA4317NM that are equipped with an FAA approved Continental Model O-470 engine installation which has been modified by the installation of an external mounted full flow oil adapter and spin-on oil filter in accordance with STC No. SE3296NM and Timberman Installation Instructions No. AT-2-IO-470-II, revised March 30, 1988, or later FAA Approved revision.

Limitations and Conditions: Approval of this change in type design applies to the aircraft models listed on AML No. SA4317NM only. This approval should not be extended to other aircraft of these models on which 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. A copy of this Certificate and AML No. SA4317NM, dated September 16, 1988, or later FAA Approved revision must be maintained as part of the permanent records for the modified aircraft.

(See Continuation Sheet page 3)

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: March 31, 1988

Date reissued: July 30, 1993

Date of issuance: September 16, 1988

Date amended: July 30, 1993

By direction of the Administrator

(Signature)

Manager, Special Certification Branch
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)

United States of America
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Supplemental Type Certificate

(Continuation Sheet)

Number SE4317NM

Limitations and Conditions (continued):

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Allen E. Timberman

The limitations and conditions of shown on Type Certificate data Sheet No. 3E1 for Continental Models IO-470-C, D, E, F, G, H, J, K, L, M, N, P, R, S, U, and V engines remain applicable.

The installation of an engine modified in accordance with this STC will require a determination by the installer that no interference is created with existing aircraft system.

Engines equipped with the Timberman spin-on oil filter must continue to be maintained in accordance with the original engine manufacturer's maintenance instructions, except as indicated on an FAA sealed copy of Timberman Maintenance Instructions No. T-2-IO-470-MI, dated May 5, 1986, or later FAA approved revision, a copy of which must be added to the engine maintenance records.

A copy of this STC must be included in the permanent records of each engine which is modified in accordance with this STC.

This STC covers the fabrication of all parts associated with this oil filter installation and also the physical modification of the engine models listed on this Certificate. Associated STC No. SA4321NM covers the use of these modified engines on specific airplane models, and also covers the mounting of the oil filter, filter base, and mounting plate on the firewalls of these airplanes.

- 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.