United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

B

Number SA1680NM

This certificate, issued to Harber "Pete" Lazaros

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 3 *of the* Civil Air *Regulations.*

Original Product — Type Certificate Number: 3A19

Make: Cessna

Model: 150H

Description of Type Design Change: Installation of a Lycoming O-320-A3A engine, Afcon engine mount (P/N 1500-1) and exhaust system, McCauley 1C172/TM7258 propeller, modified nose cowl and associated system in accordance with Harber Lazaros photos (1) through (5).

NOTE: Crankshaft was converted to remove provision for controllable pitch propeller as per Lycoming Service Bulletin No. S110980.

Limitations and Conditions: Data pertaining to this modification are considered to be inadequate for duplication in other aircraft. This approval is limited to the installation in Cessna 150H, Serial Number 15069213 only. A copy of this Certificate shall be maintained as part of the permanent records for the modified aircraft.

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: May 6, 1982

Date of issuance: July 29, 1982

Date reissued:

Date amended:

By direction of the Administrator

(Signature)

Manager, Seattle Area Aircraft Certification Office, ANM-100S

(Title)

FEDERAL AVIATION ADMINISTRATION

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)

July 29, 1982 *Number* SA1680NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA1680NM

The conditions and limitations of the original Type Certificate No. 3A19 apply except as follows:

This Addendum, which is part of the Supplemental Type Certificate No. SA1680NM, prescribes the conditions and limitations under which the STC issued meets the airworthiness requirements of the Civil Air Regulations.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Harber "Pete" Lazaros

I. CESSNA 150H, 2PCLM (NORMAL CATEGORY) AS MODIFIED BY STC SA1680NM

Engine:	Lycoming O-320-A3A
Fuel:	80/87 minimum grade aviation gasoline
Engine Limits:	For all operations: 2700 rpm (150 Hp)
Propeller and Propeller Limits:	McCauley 1C172/TM7258 Static rpm: Not over 2350, not under 2250 Diameter: Not over 72", not under 70"
Equipment:	Cessna Pilot's Operating Handbook for Cessna 150H must be maintained in the airplane at all times.

NOTE 1: Current weight and balance report including list of equipment in the certified empty weight must be in the aircraft.

NOTE 2: In addition to the Placards and Markings required by Type Certificate Data Sheet 3A19, Note 2, apply the following:

a. Adjacent to the fuel filler cap: 80/87 OCTANE MINIMUM

b. Adjacent to or in close proximity to the aircraft identification plate:

LYCOMING O-320-A3A INSTALLED
PER HARBER LAZAROS
STC SA1680NM

(Con't on Page 4)

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

c. The following placard is to be in front and in full view of the pilot:

LYCOMING O-320-A3A INSTALLED
PER HARBER LAZAROS
STC SA1680NM CESSNA 150H
PILOT OPERATING HANDBOOK APPLIES

NOTE 3: With the described engine and propeller installation, performance will be at least equal to or better than that given in the original FAA Approved Flight Manual for the Cessna 150H airplane.

- END -