United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA1650NM

This certificate, issued to Dale Turner

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 03 *of the* Civil Air *Regulations*, dated December 15, 1946, amendments 3-1 and 3-2.

Original Product—Type Certificate Number: 1A13

Make: Consolidated Aeronautical (Colonial)

Model: C-2

Description of Type Design Change: Installation of Lycoming IO-360-A1B engine, Hartzell HC-C2YK-1BLF/FL7666A-2 propeller, updated fuel system, strut fairings and horizontal/vertical stabilizer fairing per Lake Aircraft drawings 2-3205, 2-5400, L-0380B, Dale Turner photographs 1 and 2 and Dale Turner sketch.

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Consolidated Aeronautical (Colonial) Model C-2, Serial Number 128 only. A copy of this Certificate, Airplane Flight Manual Supplement, and Addendum 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: January 16, 1981

Date of issuance: July 1, 1982

Date reissued:

Date amended:

By direction of the Administrator

Darrell M Pedersen

(Signature)

acting Chief, Seattle Area Aircraft Certification Office, ANM-100S

(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)

Supplemental Type Certificate

(Continuation Sheet)

July 1, 1982 *Number* SA1650NM

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM SA1650NM

The conditions and limitations of Type Certificate Data Sheet 1A13 apply except where superceded by the following:

This Supplemental Type Certificate Data Sheet, 1A13, which is part of STC SA1650NM, prescribes the conditions and limitations under which this installation meets the airworthiness requirements of the Civil Air Regulations.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Dale Turner

II. Colonial Model C-2, 4 PCAmM (Normal Category)

Modification approved
(Same as C-2 except for engine, propeller, pylon, fuel system, and fairings.)

Engine	Lycoming IO-360-A1B
Fuel	100/130 minimum octane aviation gasoline
Engine Limits	For all operations, 2700 rpm and 25.5 in. Hq (180 hp)
Propeller and Propeller Limits	Hartzell Hub HC-C2YK-1BLF Blades FL 7666A-2 Diameter: Not over 74 inches Not under 72 inches Pitch settings @ 30 in. station: low 14° min., high 27° to 31° NOTE: Avoid continuous operation between 2000 and 2350 rpm Governor: Woodward C210105 or Hartzell F-2-6A

Data Pertinent to All Models

Equipment:	In addition to the listed requirements, an Airplane Flight Manual Supplement for this installation is required.

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(Continuation Sheet)

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The following placard must be installed in full view of the pilot:

Persons on Board (170 LB ea.)	Nose Ballast @ 25"	Fuel Load	Baggage (97" Stn)
1	37.5 LB	Full	None
2	37.5 LB or none	Full	200 LB
3	None Allowed	Full	32.5 LB
4.	None Allowed	17 gal	None

See AFM Supplement to additional information.

- END -

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