

United States of America
Department of Transportation -- Federal Aviation Administration
Supplemental Type Certificate

Number SA7NW

This certificate issued to Colman T. Wagner
323 1st Ave. E.
P.O. Box 3
Clark, SD 57225

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 4 of the Civil Air Regulations, dated April 7, 1950, and Amendment 4a-1.

Original Product -- Type Certificate Number : A-751 A-728
Make : Aeronca Aeronca
Model : 0-58B 65-TC, 65-TAC

Description of Type Design Change:

Installation of Continental C-85-8, -8F, -12, or -12F engine and Sensenich M74CK propeller or McCauley 1A90CF or 1B90CM propeller in accordance with Robert E. Smith Report Number 49015-A, dated April 10, 1972, or later FAA approved revision. Operation at a gross weight of 1300 pounds is approved.

Limitations and Conditions :

Compatibility of this design change with previously approved modifications must be determined by the installer. A copy of this certificate or later FAA approved revision and Robert E. Smith Report 49015-A, must be maintained as part of the permanent records for the modified 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.

(Limitations and Conditions continued on page 3 and 4)

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 : April 28, 1972

Date reissued : March 14, 1989; July 8, 2009

Date of issuance : September 29, 1972

Date amended : May 17, 1978; May 3, 1979

By direction of the Administrator



(Signature)

Thaddeus D. Krolicki, Jr.
Manager, Propulsion Branch
Chicago Aircraft Certification Office

(Title)

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Limitations and Conditions (Cont.)

The conditions and limitations of Aircraft Specification No. A-751 and A-728 apply as follows:

This STC Continuation Sheet, which is part of the STC SA7NW, prescribes conditions and limitations under which the product for which the STC was issued meets the airworthiness requirements of the Civil Air Regulations. A copy of this Continuation sheet and STC SA7NW must be maintained as part of the permanent records for the modified aircraft.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Colman T. Wagner

I. Aeronca Model 0-58B, 65-TC, 65-TAC as modified by STC SA7NW

Engine: Continental C-85-8, -8F, -12, -12F

Fuel: 80/87 octane minimum grade aviation gasoline

Engine Limits: For all operations – 2575 RPM (85 HP)

Propeller and Propeller Limits: 1. Sensenich M74CK-2
Diameter: 72" maximum; 70" minimum
Static Limits: 2450 RPM maximum
2200 RPM minimum
2. McCauley 1A90CF or 1B90CM
Diameter: 71" maximum; 69 1/2" minimum
Static Limits: 2450 RPM maximum
2350 RPM minimum

C.G. Range: (+13.5) to (+17.8)

NOTE: C.G. applies to all 3 models for front seat solo, max. gross weight 1300 lbs., and max. baggage 10 lbs. at station +60.0.
For all other normal conditions, see TCDS A-728 and A-751.

Empty C.G. Range: None

Maximum Weight: 1300 lbs. (see NOTE under Center of Gravity Range)

Maximum Baggage: 10 lbs. at station +60.0 (see NOTE under Center of Gravity Range)

Oil Capacity: 1 gallon at Station -38.0

Serial Nos. Eligible: See Aircraft Specifications A-751 and A-728

Engine and Instrument

Markings:

Tachometer – Radial Red Line 2575 RPM
Oil Temp. Gauge – Radial Red Line 225°F
Cylinder Head Temp. Gauge (optional) –
Radial Red Line 540°F
Oil Pressure Gauge – Radial Red Line 40 psi max.
- Radial Red Line 30 psi min.
- Green Arc 30 to 40 psi normal

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Limitations and Conditions (Cont.)

- Placards:
1. In full view of pilot:
MAXIMUM GROSS WEIGHT 1300 LBS.

 2. In full view of pilot:
OCCUPY FRONT SEAT WHEN FLYING SOLO

 3. At the fuel filler cap:
80/87 MINIMUM GRADE
CAPACITY 12 GALLONS

 4. At the oil filler cap:
OIL CAPACITY 1 GALLON

NOTE: Current Weight and Balance Report and list of equipment included in certificated weight empty must be in the aircraft at the time of certification and at all times thereafter.

-END-

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Number ST00XXXCH-D

Date of Issuance: XXXXXX

Date Amended: XXXXXX