United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA2062NM

This certificate, issued to Dave Tatom Aircraft

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: 5A5

Make: Cessna

Model: 305A

Description of Type Design Change: Installation of a Continental O-470-15 engine; a McCaul 2A36C29/S90M-0 propeller; and associated parts in accordance with Dave Tatom Report No. 1583.

Limitations and Conditions: Data pertaining to this modification are considered inadequat for duplication in other aircraft. This approval is limited to the installation in Cessna, 305A, Serial Number 21821 only. A copy of this Certificate and Addendum, AFM Supplement 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 5, 1983

Date of issuance: July 18, 1983

Date reissued:

Date amended:

By direction of the Administrator

(Signature)

Seattle
Manager, 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.

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SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA2062NM

The conditions and limitations of Aircraft Specification No. 5A5 apply except as follows:

This Addendum, which is part of Supplemental Type Certificate No. SA2062NM, 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 Addendum shall be maintained as part of the modified aircraft permanent records.

Supplemental Type Certificate Holder: Dave Tatom Aircraft

I - Model 306A, (Landplane only), Normal & Utility Category, as modified by STC SA2062NM

Engine	Continental 0-470-15
Engine Limits	Takeoff (one minute) 2600 RPM (213 Hp) All other operations 2300 RPM (190 Hp)
Propeller and Propeller Limits	McCauley 2A36C29/S90M-0 constant speed Hub Model: 2A36C29 Blade Model: S90M-0 Diameter: 90" Maximum 88" Minimum Pitch settings at 36 in. Sta. - Low 7.0° High 22.5° Governor: Woodward 210105
Maximum Weight	2100 lbs.
Powerplant Instrument Markings	Tachometer: Maximum - 2600 RPM (Red Radial) Caution - 2300 - 3600 RPM (Yellow Arc) Normal - 1600-2300 RPM (Green Arc) Oil Temperature Gage: Maximum - 107°C (Red Radial) Cylinder Head Temperature Gage: 525°F (274°C) Red Radial) (Washer type thermocouple on #4 cylinder.

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

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Oil Pressure Gage:
Minimum - 30 psi (Red Radial)
Maximum - 60 psi (Red Radial)
Green Arc between 30 and 60 psi

Certification Basis — Same as specified by Aircraft Specification No. 5A5.

Required Equipment — In addition to the equipment applicable and required by Aircraft Specification No. 5A5, the following equipment must be installed as a result of the incorporation of this STC.

NOTE 1. Current weight and balance report including list of equipment included in certificated empty weight, and loading instructions when necessary, must be in the aircraft.

NOTE 2. The following placards must be installed in clear view of the pilot:

a. Adjacent to alternator switch
"ALTERNATOR"
"DO NOT TURN OFF ALTERNATOR IN FLIGHT
EXCEPT IN EMERGENCY"

b. On instrument panel near oil temperature gage:
"CLIMB AT 100 MPH MINIMUM
FOR ENGINE OIL COOLING"

c. At the propeller control:
"PUSH TO INCREASE RPM".

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.