United States of America

Department of Transportation — Federal Aviation Administration

Supplemental Type Certificate

Number SA354NW

This certificate, issued to SEAPLANE FLYING, INC.

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*, effective November 1, 1949, as amended by 3-1 through 3-12.

Original Product — Type Certificate Number: 3A12

Make: Cessna

Model: 172L Seaplane

Description of Type Design Change: Installation of a Franklin 6A-350-C2 engine, McCauley 2A31C21/84S-6 propeller with the following seaplane floats:

TYPE	MODEL	INSTALLATION INSTRUCTIONS
PEE KAY	2300	PEE KAY Drawing No. 23 II 2500-1

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Cessna 172L Seaplane SN-17259717 only. A copy of this Certificate and Addendum No. SA354NW shall be maintained as part of the permanent records for the modified aircraft.

(See Continuation Sheets pages 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: May 26, 1976

Date reissued:

Date of issuance: September 16, 1976

Date amended: May 5, 1978

By direction of the Administrator

Charles C. Schroeder

(Signature)

Chief, Engineering and Manufacturing Branch

(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)

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Supplemental Type Certificate

(Continuation Sheet) MAY 16 1978

Number SA354NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA354NW

The conditions and limitations of Type Certificate Data Sheet No. 3A12 apply except as follows:

The Supplemental Type Certificate Addendum, which is part of STC SA354NW, prescribes the 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 STC Addendum is required to be maintained as part of the permanent records for the modified aircraft.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Seaplane Flying, Inc.

I. MODEL 172L, 4PCL-SM (NORMAL CATEGORY) AS MODIFIED BY STC SA354NW

Engine: Franklin 6A-350C2

Fuel: 100/130 Minimum Grade Aviation Gasoline

Engine Limits: For All Operations, 2800 RPM (215HP)

Propeller and Propeller Limits: McCauley 2A31C21/84S-6
Diameter - 78 inches maximum
72 inches minimum
Pitch Setting @ 20-inch station
Low - 12°
High - 23°

Governor - Woodward 210453

Spinner - Cessna 0552016-1

Powerplant Instrument Markings:
Oil Temperature:
Green Arc 100° to 235°F - normal operating range
Yellow Arc 60°F - caution
Red Line 235°F - maximum
Oil Pressure:
Green Arc 55 to 80 psi - normal operating range
Yellow Arc 25 to 55 psi and 80 to 100 psi - caution
Red Line 25 psi minimum, 100 psi maximum

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.

C FAA AC 73-2651

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Tachometer:
Green Arc 500 to 2600 rpm - normal operating range
Red Line 2600 rpm - maximum

Fuel Pressure:
Green Arc 10 to 14 psi - normal operating range
Red Line 14 psi - maximum at sea level

Cylinder Head Temperature;
Green Arc 200°F to 390°F (Well-Type Thermocouple)
Red Line 390°F - maximum

Airspeed Limits:	Maneuvering	127 MPH (109 k) True Ind.
	Maximum structural cruising	145 MPH (126 K) True Ind.
	Never exceed	174 MPH (151 k) True Ind.
	Flaps extended	100 MPH (87 k) True Ind.

C.G. Range:

Landplane:
Normal Category (+41.0) to (+47.3) at 2499 lbs
(+35.0) to (+47.3) at 1950 lbs or le

Seaplane: (PEE KAY 2300 floats)
Normal Category (+38.5) to (+47.3) at 2499 lbs
(+35.0) to (+47.3) at 1950 lbs. or less

Maximum Weight: 2499 pounds.