United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA1189NW

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 May 15, 1956, as amended by 3-1 through 3-5.

Original Product—Type Certificate Number: 3A23

Make: Maule

Model: M-5-235C

Description of Type Design Change: Installation of an AiResearch Model TAO 401 Turbocharger, manual waste gate, and associated systems on a Lycoming O-540-J1A5D engine with a Hartzell HC-C2YR-1BF/F8468A-6R propeller in accordance with Seaplane Flying, Inc., Assembly and Installation Instructions for Kit No. SFM 5001.

Limitations and Conditions: Data pertaining to this modification are considered inadequate for duplication in other aircraft. This approval is limited to the installation in Maule M-5-235C, Serial Number 7242C only. A copy of this Certificate and Addendum No. SA1189NW 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 7, 1981

Date of issuance: March 4, 1981

Date reissued:

Date amended:

By direction of the Administrator

Charles C. Schroeder

(Signature)

Acting Chief, Seattle Area 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.

FAA Form 8110-2 (10-68)

United States of America
Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

(Continuation Sheet)

March 4, 1981 *Number* SA1189NW

SUPPLEMENTAL TYPE CERTIFICATE ADDENDUM NO. SA1189NW

The conditions and limitations of Type Certificate Data Sheet No. 3A23 apply except where superseded by the following:

This Supplemental Type Certificate Addendum, which is part of STC SA1189NW, 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 bo be maintained as a part of the permanent records for the modified aircraft.

SUPPLEMENTAL TYPE CERTIFICATE HOLDER: Seaplane Flying, Inc.

I. MODEL M-5-235C, 4PCLM (NORMAL CATEGORY) AS MODIFIED BY STC SA1189NW

Engine:	Lycoming O-540-J1A5D
Engine Limits:	235 Hp @ 2400 rpm (All Operations)
Propeller and Propeller Limits:	Hartzell HC-C2YR-1BF/F8468A-6R Diameter: 78" maximum; 77" minimum Governor: Woodward 210681 Spinner: Hartzell Assembly A2298-2
Powerplant Instrument Markings:	Oil Temperature: Green Arc 120° to 245°F - normal operating range Yellow Arc 60°F - caution Red Line 245°F - maximum Oil Pressure: Green Arc 60 to 90 psi - normal operating range Yellow Arc 25 to 60 psi and 90 to 100 psi - caution Red Line 25 psi minimum, 100 psi maximum Tachometer: Green Arc 1500 to 2400 rpm - normal operating range Red Line 2400 rpm - maximum Fuel Pressure: Green Arc 3 to 30 psi - normal operating range Red Line 30 psi - maximum at sea level Cylinder Head Temperature (Well-Type Thermocouple): Green Arc 200°F to 500°F - normal operating range Red Line 500°F - 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. G. Range:	NOTE: See Type Certificate Data Sheet 3A23
Maximum Weight:	2300 pounds
Serial Number Eligible:	7242C only
Placards:	The following placard is to be in front and in full view of the pilot:

ENGINE LIMITS	
TAKEOFF:	ONE MIN 2400 RPM @ 28" M.P.
METO POWER:	2400 RPM @ 28" M.P. (SEA LEVEL TO 8,000')
METO POWER:	2400 RPM @ 24" M.P. (ABOVE 8,000')

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