

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

Number SA332GL

This certificate issued to

Penn Yan Aero
2499 Bath Road
Penn Yan, NY 14527

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: 3A12

Make: Cessna Aircraft Company

Model: 172I, 172K, 172L, 172M, 172N, 172P Seaplane
(Normal Category Only)

Description of Type Design Change:

Installation of Lycoming O-360 series engine and McCauley 1A200/DFA propeller according to Penn Yan Aero Installation Instructions dated September 28, 1983, or later FAA approved revisions.

Limitations and Conditions:

This approval applies only to those Cessna aircraft which have been modified as follows:

1. Models 172 I, K, L, M, N, and P with PK Model 2300 or B2300 floats installed according to STC SA1000EA.
2. Models 172 I, K, M, N, and P with Aqua Model 2400 floats installed according to STC SA665CE.

(See Continuation Sheet 2)

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 16, 1979

Date of issuance : August 17, 1979

Date reissued : September 29, 1983, April 6, 1990
November 1, 2005

Date amended : May 19, 1980, December 8, 1981,
July 20, 1983, September 29, 1983, January 12, 1984,
March 30, 1984



By direction of the Administrator

(Signature)

Anthony Socias
Manager
New York Aircraft Certification Office

(Title)

United States of America
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Supplemental Type Certificate
 (Continuation Sheet)

Number **SA332GL**

Date of Reissuance: November 1, 2005

Limitations and Conditions: (Continued)

3. The placards and operating limitations of STC SA1000EA or STC SA665CE apply except as noted herein:

Engine	Lycoming O-360-A4A, -A4M, -A3A, -A4N
Fuel	91/96 or 100/130 minimum grade aviation gasoline
Engine Limits	Maximum normal operating power 2550 R.P.M. (150 HP) Takeoff (five minutes) 2700 R.P.M. (180 HP)
Propeller and Propeller Limits	McCauley 1A200/DFA Static R.P.M. at maximum permissible throttle setting: Not over 2200, not under 2100 No additional tolerance permitted Diameter: Not over 82 inches, not under 78 inches
Powerplant Instruments	Tachometer: Green arc 700 R.P.M. to 2500 R.P.M. Red radial line 2700 R.P.M. Oil temperature gage: Red radial line 245 ° Oil pressure gage: Red radial line 25 P.S.I.G. Yellow arc 25 to 60 P.S.I.G. Green arc 60 to 90 P.S.I.G. Yellow arc 90 to 100 P.S.I.G. Red radial line 100 P.S.I.G.
4. Placards pertaining to utility category operations are not appropriate with this modification and must be removed or permanently covered.
5. A copy of this STC shall be included in the permanent records of each aircraft according to these instructions.
6. 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.
7. Compatibility of this design change with previously approved modifications must be determined by the installer.

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