United States of America

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA4375NM

This certificate, issued to **A.M. Luton**

*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 * of the Regulations.* See STC SA3777NM for certification basis.

Original Product—Type Certificate Number: A-815

Make: de Havilland of Canada

Model: DHC-3 (normal category) as modified by STC SA3777NM

Description of the Type Design Change: Installation of EDO model 7490 Amphibious Floats and EDO Model 7170 Seaplane Floats in accordance with the following installation instructions and drawings:

EDO Models:	Installation Drawings	Date
7490 (Amphibious)	23300 (Revision Cb)	April 9, 1957
7170 (Seaplane)	12700 (Revision Ca)	January 11, 1957

Limitations and Conditions: Approval of this change applies to the above model aircraft with the Serv-Aero Pratt and Whitney PT6A-135 or PT6A-135A turbine engine installation in accordance with Serv-Aero Engineering, Inc. STC SA3777NM. This approval should not be extended to aircraft of this model on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those or other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this Certificate, Pilot's Operating Handbook and FAA Approved (See Continuation Sheet)

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: August 29, 1988

Date of issuance: November 23, 1988

Date reissued:

Date amended: April 19, 1989; March 21, 1990, June 20, 1994

By direction of the Administrator

(Signature)

Acting Manager, Seattle 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)

Supplemental Type Certificate
(Continuation Sheet)

Number SA4375NW

Limitations and Conditions continued:

Flight Manual Supplement No. 041288 for STC SA3777NM dated June 2, 1988, or later FAA approved revisions and copy of FAA Approved Flight Manual Supplement No. 040389 for STC SA4375NM, Rev. A, dated June 20, 1994, or later FAA approved revisions must be maintained as part of the permanent records for the modified aircraft.

Supplemental Type Certificate Addendum No. SA4375NM

The conditions and limitations of Supplemental Type Certificate No. SA3777NM apply except as follows:

Supplemental Type Certificate Holder: A.M. Luton

Model - DHC-3, 16 PCSM (Seaplane only, normal category), as modified by STC SA3777NM and STC SA4375NM

Propeller & Propeller Limits

Hartzell HC-B3TN-3DY/T10282

Diameter: Maximum 102.5 In.
Minimum: 100.5 In.

Blade Angle Limits: (measured at 30 In. station)
Feather $87^0 \pm 1^0$
Low Pitch Stop: $21^0 \pm 0.1^0$
Reverse: $-15^0 \pm 0.5^0$

Take-off and Maximum, Continuous R.P.M.: 1,900
Minimum Cruise R.P.M.: 1,600

Hartzell HC-B3TN-3DY/T10282+4

Diameter: Maximum 106 In.
Minimum: 100.5 In.

Blade Angle Limits: (measured at 30 In. station)
Feather $87^0 \pm 1^0$
Low Pitch Stop: $21^0 \pm 0.1^0$
Reverse: $-15^0 \pm 0.5^0$

Take-off and Maximum, Continuous R.P.M.: 1,900
Minimum Cruise R.P.M.: 1,600

Any alteration of this certificate is punishable by a fine of not exceeding $1,000, or imprisonment not exceeding 3 years, or both.

Supplemental Type Certificate

(Continuation Sheet)

Number SA4375NM

Limitations and Conditions continued:

Airspeed Limits (CAS)	Seaplane (mph)	Seaplane (knot)
Maximum Operating Limit Speed V_{MO}	137	119
Maneuvering V_A	129	112
Flaps Extended V_{FE}	95	83

Center of Gravity C. G. Range (in.)

Seaplane with Mod. 3/746 (Item 104)
(+131.9) to (+148.3) at 6600 lb. or less
(+135.8) to (+148.3) at 7600 lb.
(+138.1) to (+148.3) at 8000 lb.

Seaplane:
7200 lb. (With item 100)
7967 lb. (With items 100, 101, 102, and 103)
8000 lb. (With items 104 and 105)

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