

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

Number SA2444SW

This certificate issued to Turbine Conversions, Ltd.
18155 120th Avenue
Nunica, MI 49448

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 8 of the Civil Air Regulations.

Original Product-Type Certificate Number : 1A16
Make : Allied Ag Cat Productions, Inc
Model : G-164A, G-164B, G-164C

Description of Type Design Change:

Installation of P&WACL PT6A-34, -34AG, -15AG, -20A, -41, -41G, -36, -135, -135A, or -28 engine according to Frakes Aviation Master Drawing List 70000, Revision L dated February 12, 1992, or later FAA approved revisions.

Limitations and Conditions: (See Continuation Sheet 3 of 3)

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 18, 1976

Date reissued: June 1, 2012

Date of issuance : April 08, 1977

Date amended: March 9, 1989 Rev.10, April 20, 1992
Rev 11.

By direction of the Administrator

Original Signed By:

Timothy Smyth

(Signature)

Timothy Smyth
Manager, Propulsion Branch
Chicago Aircraft Certification Office

(Title)



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 (Continuation Sheet)

Number SA2444SW
 Date of Reissuance: June 1, 2012

Limitations and Conditions (Continued):

Engine Operating Limitations:

	<u>RPM</u>	<u>Torque</u>	<u>Torque Pressure</u>
<u>For PT6A-34 and -34AG Engines:</u>			
1. Models G-164A and G-164B	2200	1970 Ft. lbs.	64.5
	2200	1055 Ft. lbs.	34.5
2. Model G-164C	2200	1970 Ft. lbs.	64.5
	2200	1282 Ft. lbs.	42
<u>For PT6A-15AG / PT6A-28 / PT6A-21</u>			
1. Models G-164A and G-164B	2200	1628 Ft. lbs.	53
	2200	1055 Ft. lbs.	34.5
<u>For PT6A-41 / -41AG / -42 / -42A</u>			
1. Model G-164C	2000	2230 Ft. lbs.	72.95
	2000	1406 Ft. lbs.	46
<u>For PT6A-20A Engines:</u>			
1. Model G-164A	2200	1315 Ft. lbs.	42.5
<u>For PT6A-35 Engines:</u>			
1. Model G-164A, G-164B, and G-164C	2200	1970 Ft. lbs.	64.5
<u>For PT6A-135 and -135A Engines:</u>			
1. Models G-164A, G-164B, and G-164C	1900	2080 Ft. lbs.	59.1

Additional information on Limitations are contained in placards and markings. Placards are shown on Drawing FA-7021.

The installer must determine whether this design change is compatible with previously approved modifications. If the holder agrees to permit another person to use this certificate to alter a product, the holder must give the other person written evidence of that permission.

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