

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

Number SE2146NM

This certificate, issued to Turboplus Aircraft Systems, Inc.
4117 35th Ave NW
Gig Harbor, WA 98335

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 33 of the Federal Aviation Regulations.

Original Product Type Certificate Number: E9CE-15

Make: Continental

Model: TSIO-360-FB

Description of the Type Design Change: Conversion of the Continental TSIO-360-FB engine (200 HP-2575 RPM) to the operating limits of the *(-KB) engine in accordance with Turboplus, Inc., Conversion Instructions No. PA28-11000, dated June 2, 1983, or later FAA approved revision.

NOTE: The converted engine shall incorporate pressurized magnetos as per SE1760NM, SE4177NM, or SE4303NM.

Limitations and Conditions: Approval of this change in type design applies to the above model engine only, and is limited to Piper PA-28-201T (Cherokee), PA-28R-201T and PA28RT-201T (Turbo Arrow III & IV) aircraft modified per STC SE2146NM. This approval should not be extended to other engines 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 other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that engine. A copy of this Certificate must be maintained as part of the permanent records for the modified engine. 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. (See Continuation Sheet Page 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: September 12, 1983

Date reissued: 3/19/86; 10/30/87; 10/25/00; 8/25/05;
10/15/07; 2/24/17

Date of issuance: October 17, 1983

Date amended: 11/28/83; 10/25/00, 7/2/08



By direction of the Administrator

(Signature)
Manager, Technical and Administrative Support Staff,
Los Angeles Aircraft Certification Office

(Title)

United States of America
Department of Transportation Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)

Number SE2146NM

Allied Eagles, LLC (Nevada LLC8556-2001)
Reissued: 3/19/86; 10/30/87; 10/25/00; 8/25/05; 10/15/07
Amended: 11/28/83; 10/25/00, 7/2/08

Limitations and Conditions: (cont'd)

The conditions and limitations of Type Certificate Data Sheet No. E9CE apply except where superseded by the following:

- Engine: 1 Teledyne Continental TSIO-360-FB(C)
- Fuel: 100/100LL Minimum Grade Aviation Gasoline
- Engine Limits:
- * Takeoff, 5 minutes; 2800 RPM and 40" Hg
 - * Manifold Pressure (220 HP)

 - * Max Continuous, 2600 RPM and 40" Hg
 - * Manifold Pressure (200 HP)

 - * Critical Altitude, 2600 RPM and 40" Hg (18,000 ft)

PLACARDS: Placards and Operating Limitations on Type Certificate Data Sheet E9CE apply except as noted herein:

- a. Original Engine Data Plate:

Add a "suffix" (C) and the STC number to the model designation as follows:

Model: TSIO-360-FB(C) -- STC SE2146NM

- b. Supplemental Engine Data Plate:

Install a supplemental data plate adjacent to the original data plate to read as follows:

TELEDYNE CONTINENTAL ENGINE
SUPPLEMENTAL DATA PLATE
STC SE2146NM

*Takeoff (5 min) 220 HP @ 2800 RPM
*Maximum continuous power – 200 HP @ 2600 RPM
*M.P. Limit – 40"

END

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