

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

*Number* SA09650SC

*This Certificate issued to* Dr. Maxwell E. Shauck, Jr.  
700 S. University Parks Dr.  
Suite 240  
Waco, TX 76706

*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 :* 2A10  
*Make :* Piper  
*Model :* PA-25; PA-25-235; PA-25-260

*Description of Type Design Change:* Installation of a Textron Lycoming IO-540 engine modified by STC SE7734SW. The modification is in accordance with Baylor University Master Drawing List No. PA 25-0001, Rev. F, dated 3/31/2000, or later FAA approved revisions. Flight Manual Supplement dated 4/28/2000, or later FAA approved revision is required.

*Limitations and Conditions:* Limited to Piper PA-25 Series airplanes with the fuselage mounted fuel tank and Limited to the McCauley 1A200/FA8450 propeller with 82.3 to 84.0 inch diameter. Approved fuels are as follows: (1) Ethanol, ASTM D-4806; (2) Ethanol, Brazil National Department of Fuels, Technical Regulation DNC-01/91, Specification for Anhydrous Fuel Ethanol ("AEAC") or Hydrous Fuel Ethanol ("AEHC"); (3) Aviation Gasoline 100LL, ASTM D-910; (4) Mixtures of Anhydrous Ethanol or Hydrous Ethanol and Aviation Gasoline are authorized. Mixtures of Ethanol and Aviation Gasoline are limited to a maximum of 25% Aviation Gasoline by volume.

(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 :* March 14, 1997

*Date reissued :*

*Date of issuance :* April 28, 2000

*Date amended :* June 9, 2005, Rev. 1



*By direction of the Administrator*

(Signature)

Fred Stellar  
Acting Manager,  
Special Certification Office

(Title)

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(Continuation Sheet)

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Date of Issuance: April 28, 2000

Date Amended: June 9, 2005

*Limitations and Conditions* (Continued): Compatibility of this design change with previously approved modifications must be determined by the installer. 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.