

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

Number SA00001WI

This certificate, issued to Petersen Aviation, Inc.  
Route 1, P.O. Box 18  
Minden, Nebraska 68959

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 Civil Air

Regulations: Type Certificate No. ATC 542

Original Product — Type Certificate Number: 542  
Make: WACO  
Model: YMF

Description of Type Design Change: Operation of airplane on unleaded automotive gasoline, 87 minimum antiknock index and leaded automotive gasoline, 88 minimum antiknock index (RON + MON)/2 per ASIM Specification D-439, or higher antiknock index if specified on the engine Supplemental or Type Certificate automotive gasoline approval. Intermixing with aviation gasoline also approved. DATA REQUIRED: Petersen Drawing F-5 dated October 2, 1992, or later "FAA Approved" revision and "FAA Approved" Airplane Flight Manual Supplement dated October 22, 1992, or later "FAA Approved" revision.

Limitations and Conditions: Limited to those airplanes equipped with approved radial engine installations and gravity fuel feed to the carburetor. All engines must have separate approval for operation on automotive gasoline in the form of Supplemental or Type Certificate approval. This approval should not be extended to other specific airplanes of this model on which other previously approved modifications are incorporated, unless it is determined that the interrelationship between this change and any of those other previously approved modifications will introduce no adverse effect upon the airworthiness of that airplane.

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: October 2, 1992

Date issued:

Date of issuance: October 22, 1992

Date amended:



By direction of the Administrator

Ronald K. Rathgeber  
for Lawrence A. Herron, Manager  
Wichita 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.