

Department of Transportation Federal Aviation Administration

Supplemental Type Certificate

Number **SE01145SE**

This certificate, issued to **Air Repair, Inc.**
920 Airport Service Road
Cleveland, MS 38732

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 13 of the Civil Air Regulations.

Original Product—Type Certificate Number: E-162
Make: Continental
Model: W670-6A, -6N, -16, -24

Description of the Type Design Change: Option 1) Installation of Olde Thyme Aviation Inc. crankshaft bearings OTA-21201-AB (rear) and OTA-21301-FB (front) as replacements for Continental bearings P/N 20428, and P/N 2542 respectively. (Note: Front and rear crankshaft bearings must both be replaced).

Option 2) Installation of Olde Thyme Aviation Inc. replacement intake valve guides P/N OTA-20241-IG in accordance with Olde Thyme Installation Instructions OTA-20406-IGI, dated September 6, 2002, as replacements for Continental P/N 20241.

Option 3) Installation of Olde Thyme Aviation Inc. replacement exhaust valve guides P/N OTA-20406-EG in accordance with Olde Thyme Installation Instructions OTA-20406-EGI, dated September 6, 2002, as replacements for Continental P/N 20400.

Instructions for continued airworthiness for the above model engines are not affected by these changes with the provision that time between overhaul (TBO) for the modified engine shall be 1000 hours.

Limitations and Conditions: Approval of this change in type design applies to the engine models listed above only. This approval should not be extended to other engines of these models 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.

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: May 11, 2000
Date of issuance: November 21, 2002

Date reissued: October 14, 2003
Date amended:



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.