

UNAPPROVED PARTS NOTIFICATION



U.S. Department
of Transportation
**Federal Aviation
Administration**

SUSPECTED UNAPPROVED PARTS PROGRAM OFFICE, AVR-20
45005 AVIATION DRIVE, SUITE 214
DULLES, VA 20166-7541

No. 2000-107
July 17, 2000

UPNs are posted on the internet at <http://www.faa.gov/avr/sups.htm>

Published by: FAA, AFS-610, P.O. Box 26460, Oklahoma City, OK 73125

AFFECTED ENGINES

General Aviation Aircraft – Continental and Lycoming reciprocating engines.

PURPOSE

The purpose of this notification is to advise all aircraft owners, operators, maintenance entities, and parts suppliers and distributors regarding improper maintenance or overhaul performed on the above-referenced engines between May 23, 1997, and January 25, 2000, by Colonial Aviation, 8640 Airway Blvd., New Port Richey, FL 34654-5106, or returned to service under Mechanic Certificate (Airframe and Powerplant Ratings) No. 043341932.

BACKGROUND

Information received during a Federal Aviation Administration (FAA) suspected unapproved parts investigation indicated that Colonial Aviation overhauled a Lycoming engine without using the current maintenance manual, instructions for continued airworthiness, or other acceptable data. Evidence also indicates that the engine overhaul was performed without conducting the required magnetic particle inspection required by Avco Lycoming Overhaul Manual and Service Instruction 1285.

A facility inspection conducted at Colonial Aviation revealed that Colonial Aviation did not possess magnetic particle inspection equipment, glass bead cleaning equipment, or the engine test stand instrumentation required by Lycoming to conduct overhauls.

RECOMMENDATIONS

Regulations require that type-certificated products conform to their type design. It is recommended that aircraft, aircraft records, and aircraft parts inventories be inspected and reviewed for engines or engine parts maintained, overhauled, or returned to service by Colonial Aviation, or under the Mechanic Certificate (Airframe and Powerplant Ratings) No. 043341932. If any of these parts are installed or found in existing stock, it is recommended that appropriate action be taken to verify that maintenance or overhaul instructions have been complied with.

FURTHER INFORMATION

The Tampa Flight Standards District Office (FSDO), 5601 Mariner Street, Balboni Bldg., Suite 310, Tampa, FL 33609, telephone (813) 639-1540, would appreciate any information regarding the discovery of these engines from any source, the means used to identify the source, and the actions taken to remove the affected engines from aircraft and/or stock.

This notice originated from the South Carolina FSDO. Additional information regarding this notice may be obtained by contacting Donald V. Dodge, FAA Aviation Safety Inspector, at (803) 765-5931. This notice was published through the FAA Suspected Unapproved Parts Program Office, AVR-20, telephone (703) 661-0580, fax (703) 661-0113.