

UNAPPROVED PARTS NOTIFICATION



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

SUSPECTED UNAPPROVED PARTS PROGRAM OFFICE, AVS-20
13873 PARK CENTER ROAD, SUITE 165
HERNDON, VA 20171

UPNs are posted on the Internet at <http://www.faa.gov/avr/sups/upn.cfm>

No. 2004-00041
June 15, 2005

Mailed by: FAA, AIR-140, P.O. Box 26460, Oklahoma City, OK 73125

AFFECTED PARTS

Aircraft propellers.

PURPOSE

The purpose of this notification is to advise all aircraft owners, operators, maintenance organizations, manufacturers, and parts distributors regarding improper maintenance performed on aircraft propellers.

BACKGROUND

Information received during a Federal Aviation Administration (FAA) suspected unapproved parts investigation revealed that Millennium Propeller Systems, Inc. (Millennium), located at 780 Ferris Road, Hangar 105, Lancaster, TX 75146, improperly maintained and approved for return to service propellers applicable to various types of aircraft. Millennium previously held Air Agency Certificate No. NWOR140K with these ratings: Propeller Class 1 and Class 2, Limited Nondestructive Inspection, Testing and Processing, and Limited Specialized Service. Discrepancies noted in Millennium's practices included, but are not limited to, the following:

- Approving for return to service propellers described as being in compliance with Airworthiness Directive (AD) 2002-09-08 when, in fact, they had not been reworked in accordance with note 2 of the AD. The AD requires that a repair station be Hartzell-approved to perform blade shank, cold-rolling procedures. Millennium is **not** a Hartzell-approved repair facility.
- Using parts that were not purchased from an approved source or have no traceability when performing maintenance operations.
- Approving for return to service propellers that were not maintained in accordance with the current manufacturer's maintenance manual or methods otherwise acceptable to the Administrator.
- Allowing unqualified personnel to perform nondestructive inspection.

RECOMMENDATIONS

Regulations require that type-certificated products conform to their type design. Aircraft owners, operators, maintenance organizations, and parts suppliers and distributors should inspect their aircraft, aircraft records, and/or parts inventories for propellers approved for return to service by Millennium. Suspect products and parts installed on aircraft should be inspected for conformity to type design. If any are found in existing stock, it is recommended that the products or parts be

quarantined to prevent installation until a determination can be made regarding each product's or part's eligibility for installation.

FURTHER INFORMATION

Further information concerning this investigation, and guidance regarding the above-referenced propellers, can be obtained from the FAA Flight Standards District Offices (FSDO) given below. The FAA would appreciate any information concerning the discovery of the above-referenced parts from any source, the means used to identify the source, and the actions taken to remove the products and parts from aircraft and/or stock.

This notice originated from the FAA Dallas FSDO, 3300 Love Field Drive, Dallas, TX 75235, telephone (214) 902-1800, fax (214) 902-1862; and was published through the FAA Suspected Unapproved Parts Program Office, AVS-20, telephone (703) 668-3720, fax (703) 481-3002.