

UNAPPROVED PARTS NOTIFICATION

Aircraft Certification Service



FAA
Aviation Safety

No.: 2008-S20071123008

Date: June 9, 2008

<http://www.faa.gov/aircraft/safety/programs/sups/upn>

AFFECTED PRODUCTS:

Aircraft engines: AE2100 and AE3007

PURPOSE:

This notification advises all aircraft owners, operators, maintenance organizations, manufacturers, and parts suppliers and distributors regarding the purchase of Turbine Wheels that did not finish the fixed manufacturing process.

BACKGROUND:

Information received during a Federal Aviation Administration (FAA) suspected unapproved parts (SUP) investigation revealed that Dakota Air Parts International, Inc., located at 1801 23rd Avenue North, Suite 119, Fargo, ND, 58102, had listed for sale impeller wheel part number 23079946, serial numbers MW51835, MW51837, MW51839 and MW51840, that have been deemed unapproved and un-airworthy by the manufacturer due to incomplete manufacturing processes required.

It has been established by investigation that the manufacturer, Rolls Royce Corporation, Indianapolis, IN, has shown through their manufacturing records that these four (4) wheels never completed their production cycle and were lost by a freight carrier. These wheels, by serial number, have recorded manufacturing anomalies such as nicks, dings, burrs, handling damage, tool marks, etc., and were determined to be non-airworthy by the manufacturer.

During the investigation it has been further established that Dakota Air Parts International, Inc., had listed for sale, on their website, part number 23079946, impeller wheel, quantity 4, condition new surplus (NS). These parts were acquired from a lost freight auction.

RECOMMENDATIONS:

Regulations require that type-certificated products conform to their type design. Aircraft owners, operators, maintenance organizations, manufacturers, parts suppliers and distributors should inspect their records to establish if these parts were received from Dakota Air Parts International, Inc. or any other source other than the manufacturer, Rolls Royce Corporation, Indianapolis, Indiana. If your records reflect receipt of these part number wheels, by the noted serial number/s above, appropriate action should be taken and that they be removed from inventory or installation (if applicable), and returned to the original manufacturer for engineering analysis and disposition. It is also recommended that the office noted in the "FURTHER INFORMATION" shown below be contacted.

FURTHER INFORMATION:

You can obtain further information concerning this investigation and guidance regarding the above-referenced turbine wheels from the FAA Manufacturing Inspection District Office (MIDO) shown below. The FAA would appreciate any information concerning the discovery of these parts from any source, the means used to identify the source, any action taken to leave the parts in service, and any action taken to remove the parts from service.

This notice originated from the FAA Minneapolis MIDO, 6020 28th Avenue South, Room 103, Minneapolis, MN, 55450, telephone (612) 713-4370, fax (612) 713-4365.