



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

**Aircraft Certification Service  
Transport Airplane Directorate  
Phoenix Manufacturing Inspection  
District Office**  
13951 N. Scottsdale Rd. Ste. 123  
Scottsdale, AZ 85254-3452

November 15, 2006

Timken Alcor Aerospace Technologies  
3110 North Oakland  
Mesa, Arizona 85215

**FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER  
APPROVAL**

We found the design of your part meets the regulatory requirements for airworthiness applicable to the eligible products listed in the attached supplement. Also, per Title 14 CFR 21.303(h), we found you have the required fabrication inspection system (FIS) at 3110 North Oakland, Mesa, Arizona. Accordingly, we grant you parts manufacturer approval (PMA) to produce the replacement parts listed in the enclosed supplement. These parts must conform to the approved designs. Report any future minor changes in the part designs to us in an agreed upon manner and timeframe. However, we must approve any changes to critical or life-limited parts or any major design changes before you can implement them.

The following terms and conditions apply to this approval:

1. The manufacturer's Fabrication Inspection System, methods, procedures and manufacturing facilities, including suppliers, are subject to FAA surveillance or investigations. Accordingly, the manufacturer must advise their suppliers that their facilities are also subject to FAA surveillance and investigation.
2. The manufacturer must notify our district office 13951 N. Scottsdale Road, Suite 123, Scottsdale, Arizona, 85254-3453, in writing within 10 days from the date the manufacturing facilities at which parts are manufactured are relocated or expanded to include additional facilities at other locations. This requirement also applies to the manufacturer's suppliers with major inspection authorization, and those who furnish parts or related services where a safety and conformance determination to the approved design cannot or will not be made upon receipt at the approved receiving facility.

3. Upon request, the manufacturer must make available to FAA any pertinent information concerning their suppliers who furnish parts/services. This includes:

- A description of the part or service;
- Where and by whom the part or service will undergo inspection;
- Any delegation of inspection duties;
- Any delegation of materials review authority;
- Name and title of FAA contact at the supplier facility;
- Any direct shipment authority;
- The inspection procedures required to be implemented;
- Results of the manufacturer's evaluation, audit, and/or surveillance of their suppliers;
- The purchase/work order number (or equivalent);
- Any feedback relative to service difficulties originating at the manufacturer's suppliers.


4. Parts, appliances, or manufacturing services furnished by any suppliers located in a foreign country may not be used in the production of any part or appliance listed in the enclosed supplement unless:

- a) That part or service can and will be completely inspected for conformity at the manufacturer's U.S. facility; or
- b) The FAA has determined that the location of the foreign supplier facility places no undue burden on the FAA in administering applicable airworthiness requirements. The manufacturer must advise the FAA at least 10 days in advance when the use of such foreign suppliers are contemplated. This allows the FAA to make this determination; or
- c) The parts/services furnished by the foreign supplier are produced under the "components" provisions of U.S. bilateral airworthiness agreements. They are also approved for import to the U.S. in accordance with 14 CFR § 21.502.

5. Permanently mark parts produced under the terms of this approval with the identification information as required by 14 CFR § 45.15. Use the letters "FAA-PMA," the name, trademark, or symbol of the company, the part number, and the name and model designation of each type certificated product on which the part is eligible for installation. If the part is too small or impractical to mark, the FAA must approve alternate means of identification. For a part based on an STC, the identification of installation-eligible type certificated products must refer to the STC on the shipping document. Reference the assembly PMA part number on the shipping document.

6. This approval is not transferable and it may be withdrawn for any reason that precludes its issuance or whenever the FAA finds that the Fabrication Inspection System is not being maintained. A withdrawal may occur if unsafe or nonconforming parts are accepted under the fabrication inspection system.

7. Our district office must be notified within 10 days from the date of the address change in this approval.
8. The manufacturer must maintain their fabrication inspection system in continuous compliance with the requirements of 14 CFR § 21.303(h). The manufacturer must also ensure that each part conforms to the approved design data and is safe for installation on type certificated products.
9. The manufacturer is eligible for the appointment of qualified individuals in their employ to represent the FAA as Designated Manufacturing Inspection Representatives (DMIRs) or Organization Designated Airworthiness Representatives (ODARs). The DMIRs and ODARs issue Export Airworthiness Approvals for Class II and Class III products.
10. The manufacturer shall report information concerning service difficulties on any part produced under this approval to our district office in a timely manner. The manufacturer should also report any failures, malfunctions, and defects that require reporting under 14 CFR § 21.3.
11. All technical data required by 14 CFR § 21.303(c)(3) (for the parts to be produced under this approval) must be readily available to the FAA at the facility where parts are being produced.
12. The manufacturer shall notify our district office immediately, in writing, of any changes to the Fabrication Inspection System that may affect the inspection, conformity, or airworthiness of the parts approved in this letter.
13. The manufacturer shall produce all parts in accordance with the Timken Alcor Aerospace Technologies, Quality Assurance Manual, Revision K, dated November 15, 2006, which has been accepted as evidence of compliance with 14 CFR § 21.303(h). Accordingly, any revisions to these data must be submitted for approval by this office prior to implementation. Previously issued current PMA supplements, number 1, dated September 10, 1998, through number 73, dated September 15, 2006, are grand fathered into, and form a part of this approval.



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Wanda A. Kimura  
Acting Manager, Phoenix Manufacturing  
Inspection District Office