



400 Main Street
East Hartford, Connecticut 06108

In Reply Please Refer To

JT8D/72-00/DWT/5/06/05/acg

05 June 1995

Aviation Engine Service, Inc.
8050 N.W. 90th Street
Miami, Florida 33166

Attention: Mr. Neil Bazain
General Manager

Subject: Aviation Engine Service JT8D-1 Through -17AR Test Cell Correlation,
Test Cell No. 7

Gentleman:

Pratt & Whitney Service Support has reviewed the JT8D correlation test of Aviation Engine Service (AES) test cell relative to the Aerothrust baseline test using JT8D-17R engine S/N 689856. The engine was baseline tested at the Aerothrust facilities on 10 May 1995 and correlation tested at AES on 31 May 1995. It was concluded from this review that satisfactory correlation of the parameters was achieved between the Aerothrust and AES test cells. As a result the AES test cell is considered qualified for post overhaul/repair testing of JT8D-1 to -17AR engines.

Enclosed with this letter is the test cell correction curve including equation and the thrust/EPR relationship used to derive the correction curve. Review of the relationship between cell depression and the Pt2 levels achieved during the correlation indicates that the value of cell depression may be used in lieu of Pt2 probes for future testing as both readings were essentially the same.

This correction will remain valid as long as no alterations are made to the test cell proper which affect the aerodynamic characteristics. If further assistance is necessary, please do not hesitate to contact me.

Regards,


Daniel Tracy
Senior Service Support Engineer

cc: R. Heber (PW Rep)
M. Mulders (AeroThrust)



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

Miami Flight Standards District Office
P. O. Box 592015
Miami, Florida 33159

December 1, 1995

Mr. Neil Bazain
Vice President
Aviation Engine Service, Inc.
8050 N.W. 90th Street
Medley, Florida 33166

Dear Mr. Bazain:

This office has received confirmation relating to Aviation Engine Service, Inc., Test Cell correlation, for Test Cell #7. We are enclosing a copy of it for your records.

If you should have any questions concerning this or any other matter, please contact me at (305)526-2568.

Sincerely,

A handwritten signature in cursive script that reads "Diego A. Nieves".

Diego A. Nieves
Principal Maintenance Inspector

Enclosure



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

Memorandum

Subject: INFORMATION: Test Cell Correlation,
Test Cell # 7 for Aviation Engine Services, Inc.

Date: NOV 2 1995


From: Associate Manager, ACE-117A
Atlanta Aircraft Certification Office

Reply to: L. M. Haynes
Attn. of: 404-305-7377
FAX:404 305-7348

To: Manager, Miami FSDO-19
ATTN: Dale Stoughton

We have reviewed the data submitted by Pratt & Whitney with their letter dated June 15, 1995, for the correlation of Aviation engine Service (AES) test cell (Test Cell #7) relative to the Aerothrust baseline test. We concur that this data is satisfactory for post overhaul/repair testing of the JT8D-200 series and the JT8D-1 to -17AR engines as long as no alterations are made to the test cell proper which affect the aerodynamic characteristics.

If you have any questions, please call Linda Haynes at (404) 305-7377.

for 
Paul C. Sconyers