COMPRESSOR SOLUTIONS
Compressor Rocking and Shim Migration Issues

An industry leader in parts repair and manufacturing, the MD&A San Antonio Service Center, our Gas Turbine Parts Service Facility, has cutting edge equipment and repair techniques with proven expertise on multiple frame gas components.

MD&A’s goal is to provide value-added gas turbine solutions by incorporating customer feedback and component optimization with the deep experience in aviation engineering and technology, repair techniques, and proven expertise on multiple frame gas components.

The compressor vane and shim pinning process prevents wear and tear that can lead to costly power plant gas turbine compressor failure.

MECHANICAL DYNAMICS & ANALYSIS
For more information on this product or service please contact MD&A at +1 (210) 256-5000 or www.mdaturbines.com
Compressor Field Issues Observed on Frame 7FA / 9FA

- Compressor casing groove wear
- Compressor vane shank wear which causes rocking
- Shim migration/ protruding shims which may lead to damage down stream

Compressor Vane Pinning

- A simple and economical solution
- The compressor vanes are clustered together through the pinning technique and re-installed into the case
- Shims, held together with pins, may be placed only at horizontal joint to maintain drop dimensions
- Hook fits and casing groove are inspected

Compressor Vane Pinning Experience:

- Over 200 gas turbines running with pinned vanes
- 60,000 pinned vanes in operation on Frame 7EA, 9E, 7FA and 9FA gas turbines

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