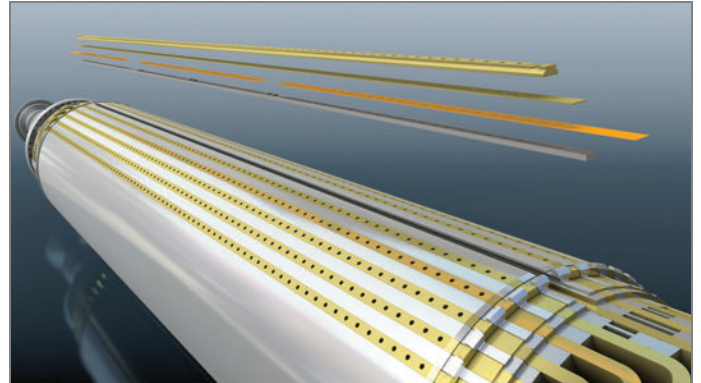


7FH2 SPRING MIGRATION REPAIR

MD&A Turbine-Generator Repair Facility

MD&A Generator experts offer a unique, patented repair process that eliminates 7FH2 spring migration and restores your generator to full operation. This repair can also be applied to 324 generator fields.



Problem

This problem occurs during normal field operation, as the springs under the full-length amortisseur migrate axially within the slot. The migration of the springs can lead to blockage of the radial ventilation passages.

This blockage results in reduced hydrogen gas cooling flow, which can lead to thermal instabilities with the rotor. The resulting excessive rotor vibration may eventually produce a forced outage.



Three key modifications to this design:

- Springs modification and/or custom manufacturing of springs.
- Top hat piece secures the springs in place with the wedges and amortisseur over the creepage assembly.
- After our expert draftsmen reverse engineer them, we modify the slot components of the amortisseur, springs and creepage by drilling wider holes.

For a comprehensive video of our innovative repair, visit our website!

MD&A TURBINE-GENERATOR REPAIR FACILITY

3804 Weber Road • St. Louis, MO 63125 • Ph: 314-880-3000 • Fax: 314-638-3473 • www.MDAturbines.com