

ADVANCED TURBINE SUPPORT

MS5001 INLET GUIDE VANE CRACKING

PURPOSE

To inform users of potential Inlet Guide Vane Cracking on the fixed IGV Frame 5 Compressors.

UNIT TYPE

This newsletter addresses the MS5001 gas turbines with fixed IGV's.

HISTORY

We have identified several units that had inlet guide vane cracking at the inner radius.

RECOMMENDATION

During an ATS borescope inspection of a frame 5 with fixed inlet guide vanes the inner radius IGV attachment should be visually inspected using 10X magnification. Any questionable indications should be tested using liquid dye penetrant testing. If cracking is identified on the IGV's a maintenance outage should be planned to weld repair the vanes.



This is a close up view showing a cracked inlet guide vane. This cracked vane was one of seven identified by penetrant testing on this unit.