Turbine repairs by

LOCK-N-STITCH

GE Gas turbine shell repaired in 1992 for Sicamore Co-Gen Near Bakersfield California. The unit is still in use. The crack was through the outer bolt flange and was approximately 800mm long and 75mm thick.

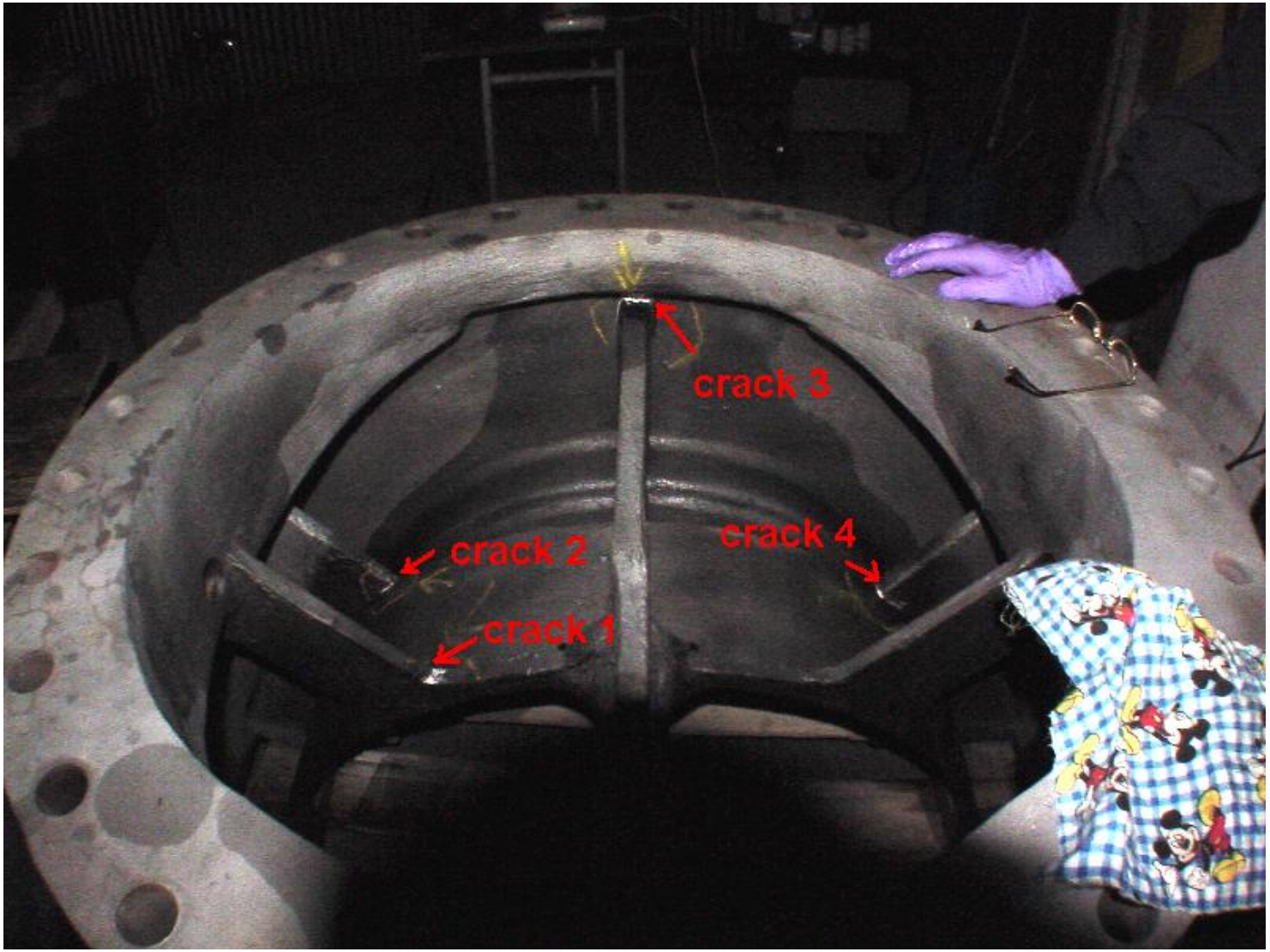
This gas turbine shell also belongs to Sicamore Co-Gen near Bakersfield California. The crack was about 100mm long and extended through a threaded hot-inspection hole. The repair was completed in 1998 and the unit is still in service.

This is the completed repair

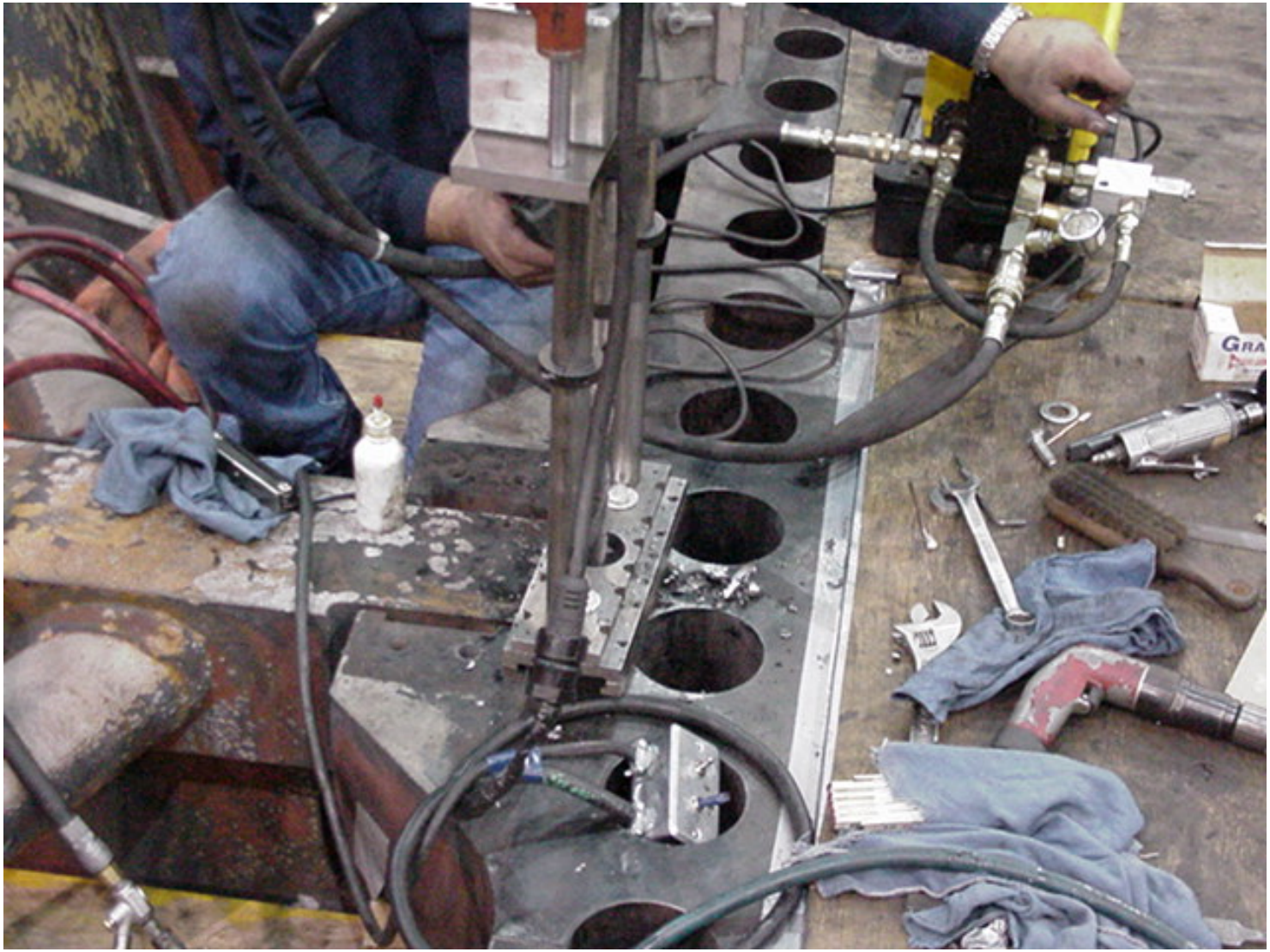
Small GE turbine shell with internal cracks. The repair was done In 2002 and is still in service.

Dresser Rand steam turbine lower case, bottom side with several cracks.

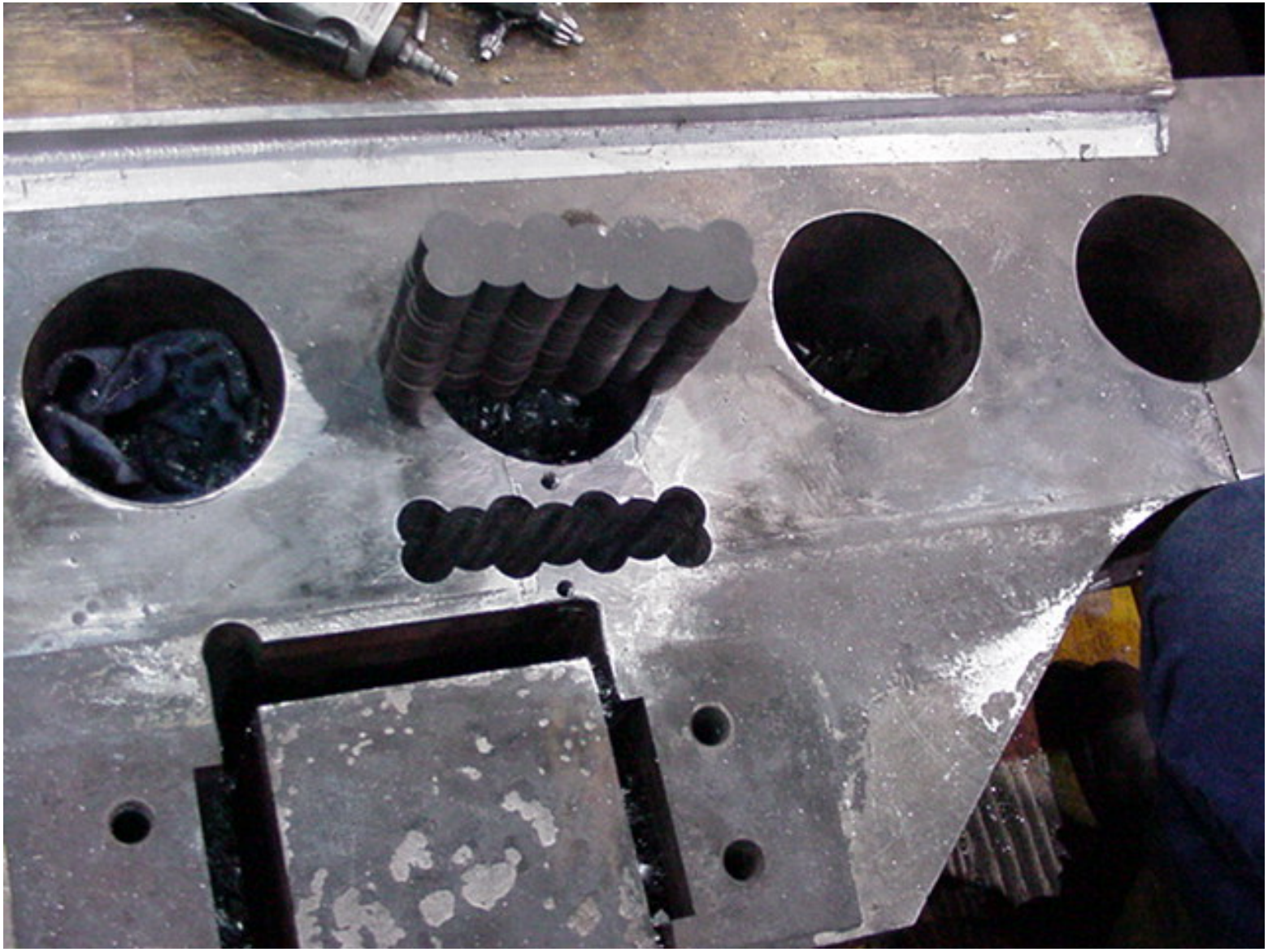
The repair was done in 2001 and is still in service.



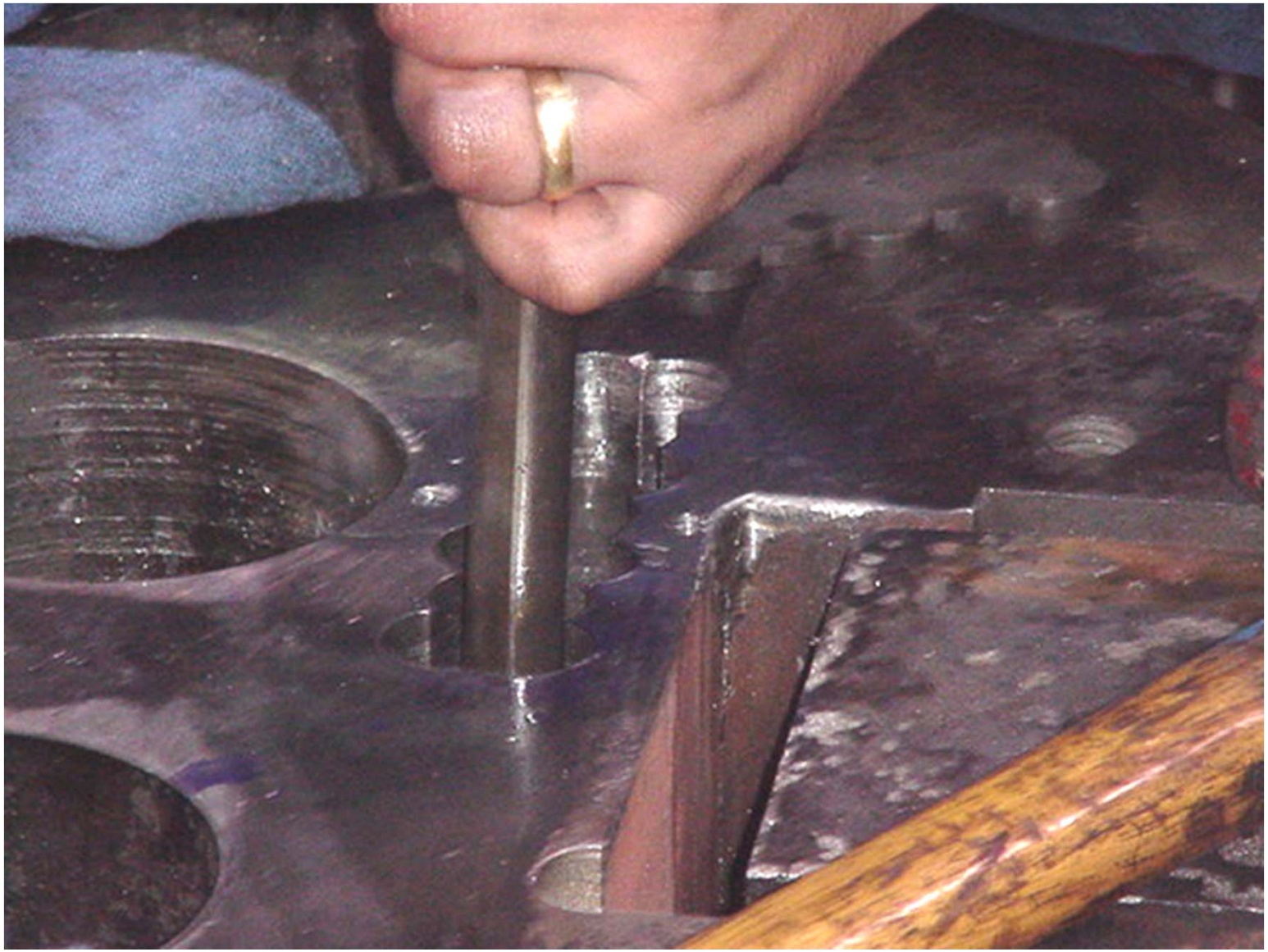
Frame 7, GE steam turbine shell with a crack extending from a bolt hole. The crack had a previous weld repair attempt that failed.



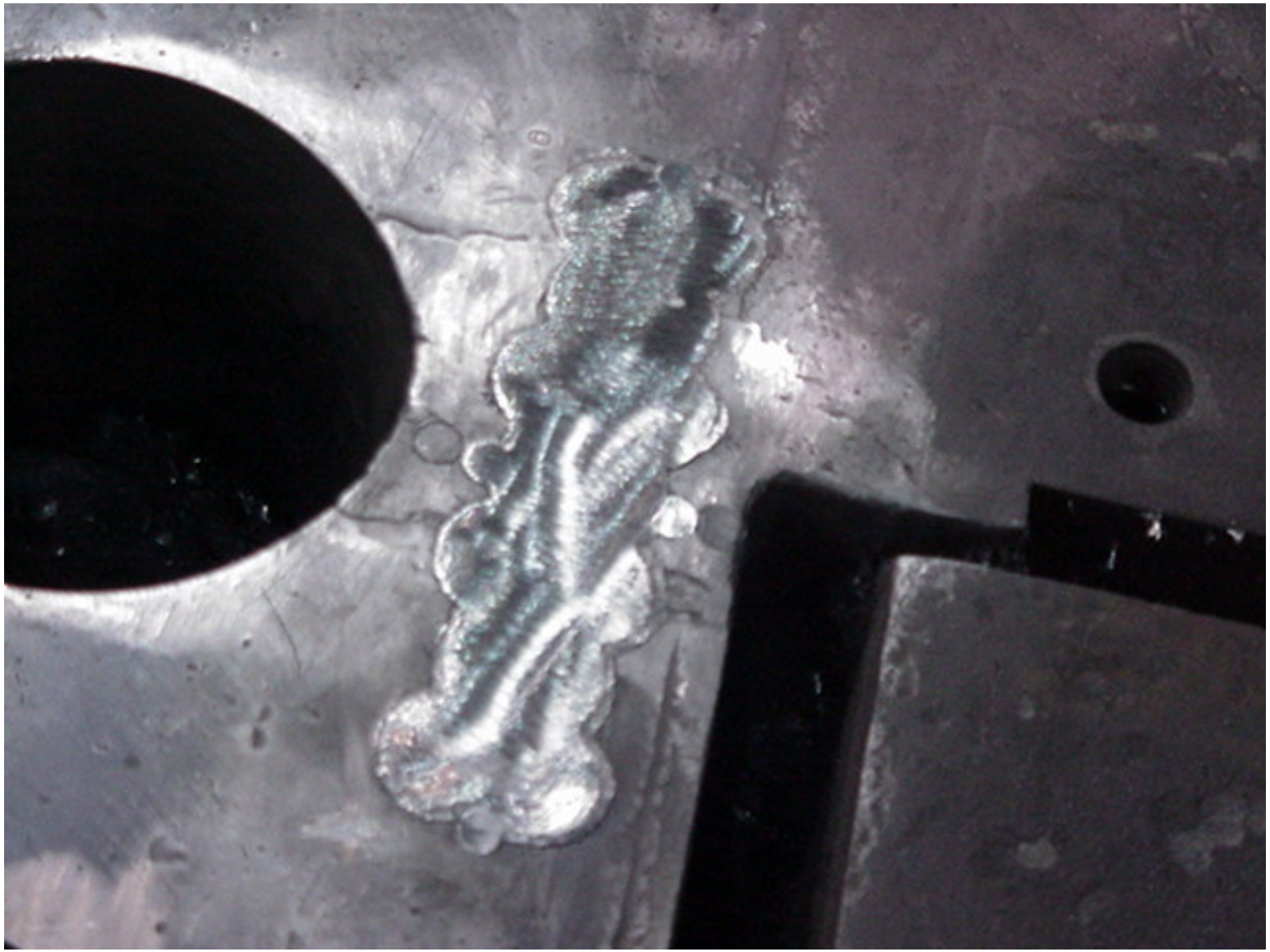
The hole pattern for the L60 locks has been drilled across the crack. The locks were installed 125mm deep.



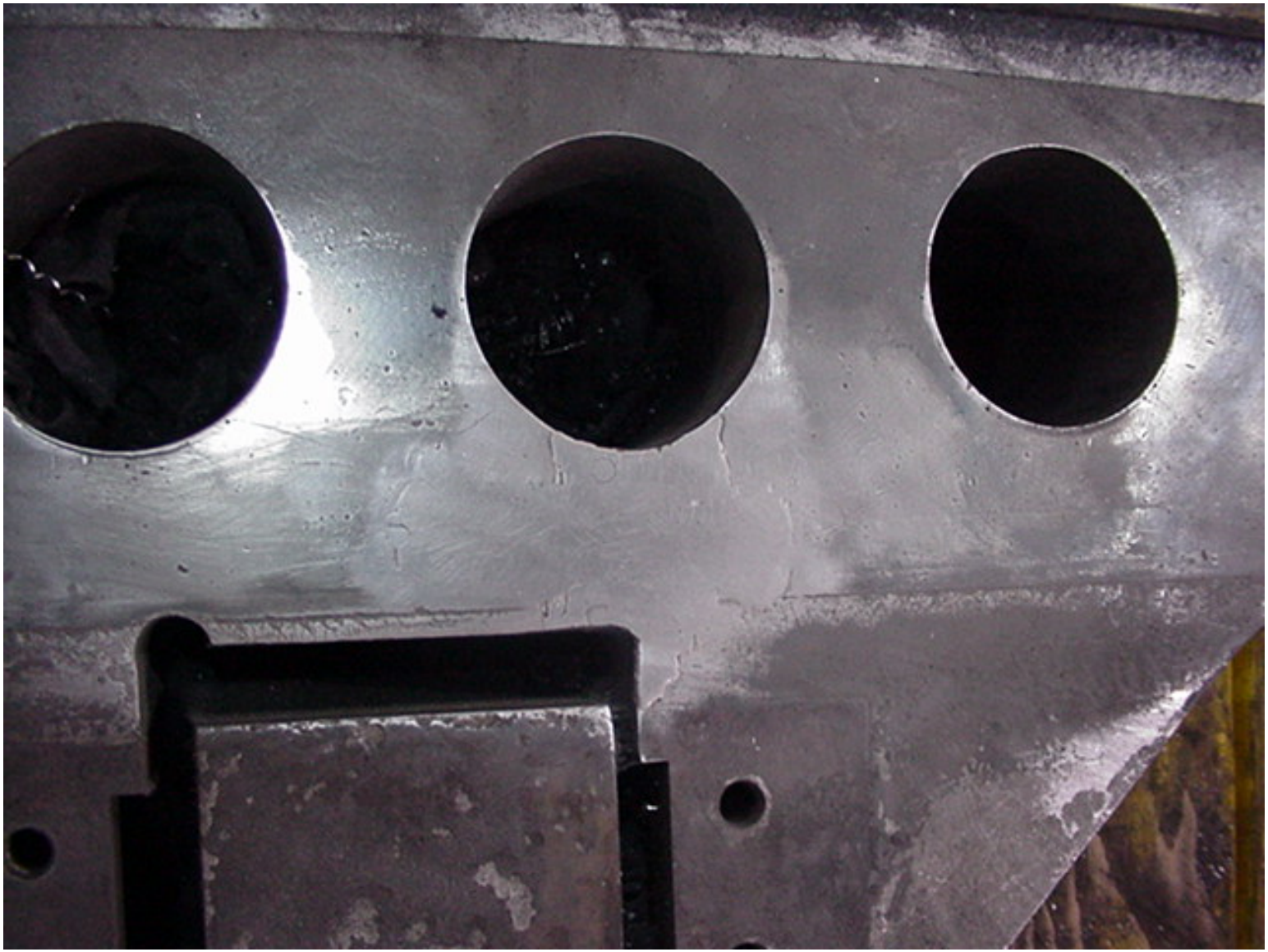
The Locks are driven into the hole pattern to create strength across the crack.



The locks are installed and ready to be machined flush



The repair was completed in two days. LNS stitched the crack in 1999 and the unit is still in service.



GE Steam turbine in Southern California Operated by AES Power.

The upper shell was moved to the ground and blocked up.

Crack looking up from underneath.

Metal stitching the crack

Using a portable drill press to drill the hole pattern for the Locks

The repair was completed in early 2004.