

METAL STITCHING

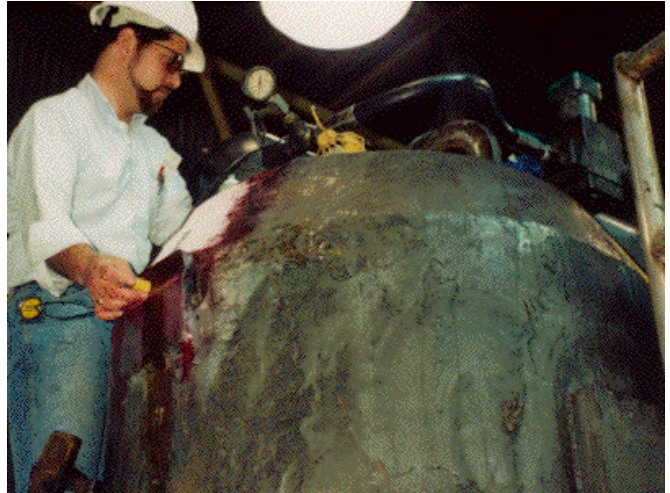
Stitching Puts the Power Back in Massive Hydraulic Cylinder

Combination of poor casting and overloading this 2,500 ton capacity cylinder resulted in a crack. Damaged threatened the usability of this rather expensive and important piece of hydraulic equipment.

Stitching - joins broken cast iron and dissimilar metal to like-new condition, on-site or in-house. Stitching restores casting strength to equal or better than original shock load capacity. High strength locks in the stitched and repaired areas, absorb shock loads up to or greater than those experienced by the original design.

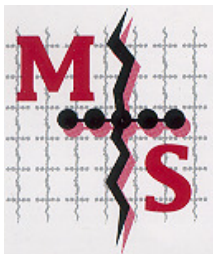
THE PROBLEM

Nine foot crack detected in the seven inch thick casting of this massive hydraulic cylinder.



THE FIX AND THE RESULTS

The crack was stitched 100%, from both inside and out, bringing the cylinder to full capacity. At the time of this report, the cylinder is still running after eight years.



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