

# METAL STITCHING

## RELIABLE CAST IRON REPAIR

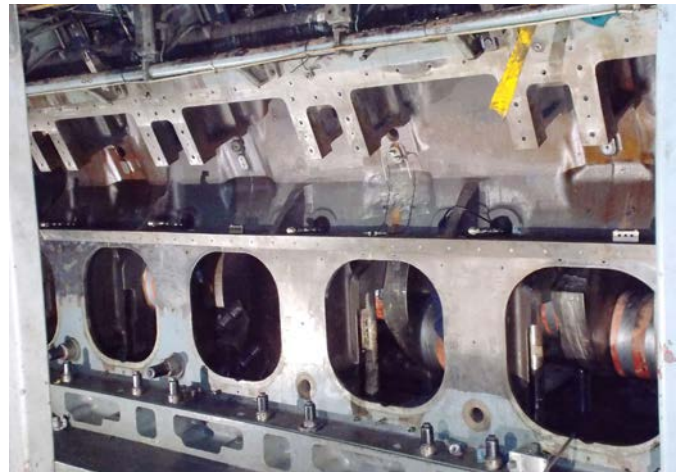
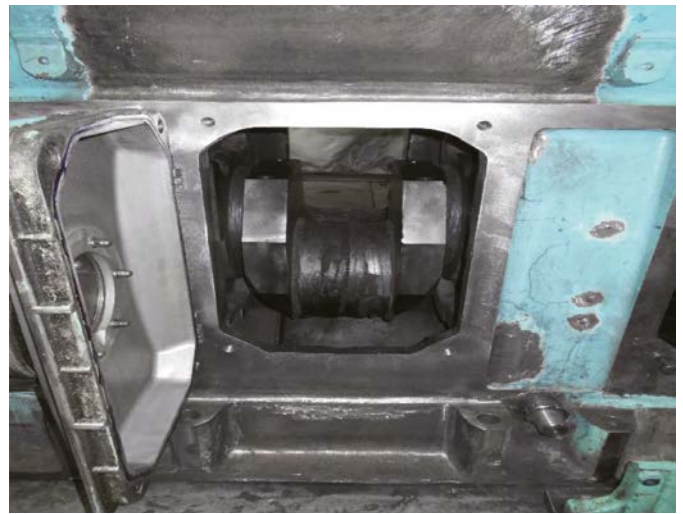
Metal stitching, sometimes also called cold pinning, has been around for over 100 years. It is a very well established and proven technology. It is mostly used on cast (gray) iron components such as engine blocks and casings although the repair of other materials such as aluminum and bronze is possible too.

QuantiServ's very experienced metal stitching experts have repaired many engine blocks, casings and other castings. We helped their owners and operators to save a lot of money and reduce the equipment down-time from several months that it typically takes to produce, ship and install a new part to days or weeks at most.

And since most of the metal stitching repairs on board ships were carried out during the voyage, any off-hire or other interference with the vessel's schedule could usually be avoided.

## KEY BENEFITS

- Usually, little or no dismantling is necessary. Proper access from one side is generally sufficient.
- Since it is a cold-repair method, no additional stresses, which over time may lead to new cracks, are introduced into the material.
- The original alignments of the parts can be retained. There is no deformation or blemish due to the application of heat. Re-machining after repair is therefore often not necessary.
- The repair seam helps to distribute tensile stresses over a larger area.
- If done properly, then the repaired area is liquid and gas tight. We have successfully applied water pressure up to 12 bars (174 psi) to a test piece that was repaired by metal stitching.



# GLOBAL PRESENCE

15 locations

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