

LOCK-N-STITCH Inc. Casting Repair Specialists 1015 S. Soderquist Rd. Turlock CA 95380

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Final Report

Date: 12-31-12	
Part: Wartsila engine block W6L20 Inspected by: Brian Schoppet	
1. Base metal cast iron X ductile iron cast steel cast aluminum other	4. Cause of damage X impact heat freezing normal operation other
2. Machinability X no previous repairs arc-welded brazed heat-related cracks other	 5. Length of crack/s 11 ½" of crack ———————————————————————————————————
3. Casting shape where cracked X flat inside/outside corner X radius other	7. Operating pressure N/A

8. Operating temperature 200	11. Customer's needs X permanent repair temporary repair turnaround time describe:
 Working environment X hot cold safety concerns 	other
describe: other	12. Accessibility room for the tools?
Remachining requirements bolt holes bearing bores X machined surfaces other	other
13. Inspection method(s) Visual and mag particle	
14. Damage found:	
Inspection door gasket surface was dam stitched a patch into place using our pate metal stitching was completed. Ranging	haged with a piece of casting missing. Metal ented Castmaster stitching pins. Total of 11 $\frac{1}{2}$ " of prom 1" thick to 1 $\frac{1}{4}$ " thick
No cracks were discovered in the bottom	n of the cam box.
Ground and smoothed out all dings and	dents.
See pictures below	









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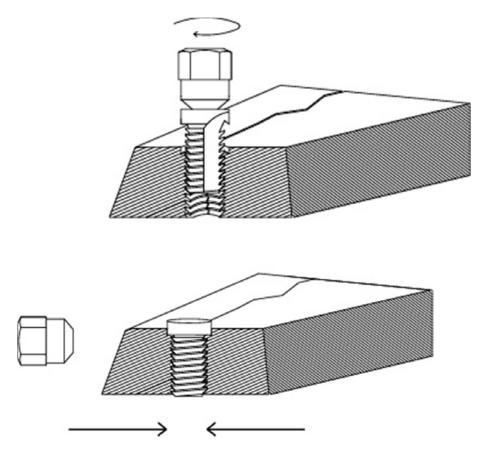








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Castmaster Stitching pins for strength and seal

Warranty:

This limited warranty covers our materials and workmanship for the repair of your part. Disassembly and downtime are not covered by this warranty. The limited warranty is for a period of one year from the date of completion of the repair. If there should be any failure in our repair during that period of time due to faulty materials and or workmanship, we will again repair the part at our cost including all labor, materials and travel expense, or we could choose to refund the money you paid for the repair in part or full. We reserve the right to make the final decision whether to repair or refund. This is the limit of our liability. Be aware that we are not responsible for failures due to faulty installation or improper operation and maintenance of the part. If the problem that caused the original damage has not been remedied this warranty will become null and void.