

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

800-736-8261 209 632-2345 Fax 209-632-1740 www.locknstitch.com

Final report

Date: 3-7-13

Part: 1985 MAK engine block

Serial number: 40096

- 1. Base metal cast iron X ductile iron cast steel cast aluminum
 - other _____
- 2. Machinability X no previous repairs arc-welded brazed heat-related cracks other _____
- 3. Casting shape where cracked X flat X inside/outside corner X radius other _____

- 4. Cause of damage X impact heat freezing normal operation other _____
- 5. Length of crack/s 35" @ ¾" 13 ½" @ 1" 6 1/2" @ 1 1/2"
- 6. Material thickness See above
- 7. Operating pressure 4 bar in water jacket

8. Operating temperature

180

9. Working environment hot cold safety concerns describe: _____

X other Excellent

- 10. Remachining requirements bolt holes bearing bores machined surfaces X other Goltens to complete final machining
- 13. Inspection method(s) Visual, prepared bath and dye penetrant

14. Damage repaired:

11. Customer's needs X permanent repair temporary repair turnaround time describe: _____

othor		
other		

12. Accessibility room for the tools? room for the operator/s? need for disassembly? describe: good_____







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Conclusion: Repair completed on March 4, 2013. Customer technicians watched and assisted in this repair.