

Metal Surgery Milwaukee LTD.

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Shaft Repair- On-site

This Shaft failed during production. The customer chose to run the shaft as is, instead of facing costly down time. Metal Surgery was called on a Thursday and notified that they would be shutting down that Friday at 2:00PM. Metal Surgery then arrived at the job site in less then 24 hours from the initial call and worked around the clock to meet the deadline of production starting back up Monday morning.



Upon further inspection by crack detection methods, Metal Surgery found that the Keyways were cracked. Metal Surgery then proceeded to excavate the cracks and prepare the shaft for welding cracked keyways and shaft complete. Then the shaft was welded by procedure.



After the shaft was welded, postheat treatment and slow cooled, Metal Surgery then machined the shaft and keyways back to specifications. This shaft was machined without rotation.



The shaft was finished just ahead of schedule, allowing production to resume on time. The finish pictures below show the finish product in new condition. The quality provided by Metal Surgery is top notch. We warranty all repairs for 1 year from the date the part is put back into service.

