



Summary

Industry:	Metals
Application:	Gantry Crane Carousel
Actual Saving:	£n/a
Payback Period:	n/a



Drive Unit Assembly Inspection

ERIKS assist with Drive unit rebuilds

ISSUE

The Customer, a large steel manufacturer, had an issue with some drive assemblies that they had been having reconditioned with a 3rd party with limited success - they had also experienced issues on the repaired drives when received back and returned to service.

SOLUTION

ERIKS were appointed the opportunity to collect a drive unit assembly from site and return to our works for assessment. Once the drive assembly was in ERIKS works, engineers carried out a full strip down, inspection and investigation to ascertain the requirements for overhaul. On strip down inspection ERIKS found that the main drive wheels were not in line and too much axle movement was noted.

Further investigation revealed that the main carriage assembly was out of line. The carriage was also subjected to a full MPI examination and inspection - this revealed the weld joints were flawed and the material was also found to have cracks. Heavy fretting and oversized bearing location cassette housings and heavy fretting and damage to the trunion drive shafts.

OTHER BENEFITS

- Detailed Inspection Reports
- Root Cause Analysis

FURTHER COMMENTS...

With the full photographic report outlining the faults found and a full detailed report on the work content gave ERIKS the exposure to the customer to assist in these drive unit rebuilds, this was the first of many drive received following on from this initial report.

MORE INFORMATION

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know-how makes the difference

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