



Summary

Industry:	Metals
Application:	Strip Mill Drive
Actual Saving:	£n/a
Payback Period:	n/a



Gears Manufactured by ERIKS

ERIKS manufacturing capability ensure shut down is not extended

ISSUE

ERIKS Technology Centre for Drives were called in to assist a steel manufacturing site who, whilst carrying out a maintenance check during their factory shutdown period found that a drive unit on one of their main production lines had failed. As the plant was being restarted in a few days time they were in need of emergency assistance.

The failed unit was an obsolete drive assembly from an OEM that no longer existed.

SOLUTION

Upon inspection it was found that the output drive section to the second staged gear train land section had failed and with the OEM no longer in existence spares were not available to purchase for replacement.

Given the deadline, the engineers at Dudley manufactured the required components using their own inhouse gear manufacturing facility. These internal gears were manufactured within 48 hours which allowed the repair engineers to rebuild the drive unit.

The steel works also sent the external pump drive assembly to enable ERIKS to fully test run the drive prior to despatch. Following satisfactory test results, the unit was painted and delivered directly back to site, allowing the maintenance crew ample time to reinstall the drive unit in time for a full operational test run prior to the plant going back online.

OTHER BENEFITS

- Planned Maintenance Equals Planned Refurb

FURTHER COMMENTS...

To replace the drive unit with an up to date alternative drive unit would have been in the region of 6 - 8 working weeks, the combined operations within ERIKS repairs meant that the drive unit was fully overhauled and internal gearing replaced within the allotted plant time.

Plant Engineer

MORE INFORMATION

ERIKS Industrial Services

Amber Way, Halesowen,
West Midlands B62 8WG

Tel: 0845 006 6000

Web: www.eriks.co.uk

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