



Summary

Industry:	Automotive
Application:	Emergency pump repair saves factory from shutdown.
Actual Saving:	£180,000
Payback Period:	n/a



Urgent Pump Repair

ERIKS repair capabilities prevent plant shut down

ISSUE

A manufacturer of machine parts operate 2 no. SPP end suction centrifugal pumps on a cooling water system. One pump had failed previously and the second had suffered a loss of performance, both were in need of urgent repair and the decision was made to repair one unit.

The failed pump was received at ERIKS Killingworth Workshop on a Friday morning as an urgent repair. The unit was stripped, inspected and a condition report was produced.

SOLUTION

The main components required for the repair were the mechanical seal and impeller. After speaking to the Original Equipment Manufacturer (OEM) ERIKS were advised that the impeller was held in stock but at full diameter, and were quoted 3 normal working days to turn around the impeller modifications. This was not an option as it would have resulted in the factory shut down for this period.

ERIKS ordered the standard spares anyway, and they were delivered the next day. The skills available at ERIKS Killingworth Workshop were fully utilised. A pump fitter and machinist worked non stop to strip, repair and rebuild the pump with the impeller being turned to the correct diameter and balanced to give the required performance. The pump was returned later that evening.

OTHER BENEFITS

- The repair resulted in no loss of production which over 3 days would have cost the company an estimated £180,000.00

FURTHER COMMENTS...

ERIKS in-depth knowledge of pumps along with the engineering capabilities available at its' Killingworth repair facility allowed them to carry out comprehensive repairs and return the unit, repaired to the manufacturer's original specifications, to the customer preventing shut down.

MORE INFORMATION

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