



Summary

Industry:	Metals
Application:	Cooling Water Pump Spares
Actual Saving:	£35k pa
Payback Period:	



Cavitation Damage to Impellers

Lower power pump selected to saves energy

ISSUE

The original pump units were unreliable; they were experiencing severe "cavitation" damage to the impellers. The resultant damage was so severe that holes had formed on the blades of the impellers. This damage made matters even worse as they were now also out of balance and this would now start to impact on the bearings in the drive motor.

SOLUTION

ERIKS visited the customers site to inspect the application, following a detailed conversation with the on-site engineers we were quickly able to select a new pump solution. The new pumps motor is 27kW less than the original, and with 2 pump units running all day every day the new selection provides the customer with a substantial cost saving.

OTHER BENEFITS

- The original unit was running to the right of its curve, causing the reliability issue. The new pump is running at its "Best Efficiency Point" this will also resolve the reliability issue.

FURTHER COMMENTS...

When pump units are selected incorrectly they can cause a whole host of problems on the application, not to mention cost you money. That's why ERIKS know-how really can make the difference.

MORE INFORMATION

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