

# PUMP VIBRATION CASE STUDY



Issue 001

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## Expert Resolution of Pump Vibration Issue

During a recent service visit by Velocity Pump & Controls, our technician tackled persistent pump vibration issues that had been misdiagnosed by another provider. The previous incorrect diagnosis led the client to replace two motors unnecessarily, without resolving the problem. Our team's expert analysis not only identified the true source of the issue but also highlighted our commitment to accurate and cost-effective solutions.

### The Challenge

Velocity Pump & Controls was called to address persistent pump vibration issues previously misdiagnosed by another provider, who unnecessarily replaced the motors, costing the client both money and peace of mind.



### Holistic Approach and Solution

Instead of focusing solely on the motors, our team conducted a thorough system inspection. We uncovered multiple underlying issues:

- Debris obstructing the suction strainer.
- A failed suction diffuser.
- Impeller contamination.

### The Resolution

By addressing these root causes, not just the symptoms, we resolved the vibration issues effectively, ensuring long-term system health and enhancing client satisfaction.

