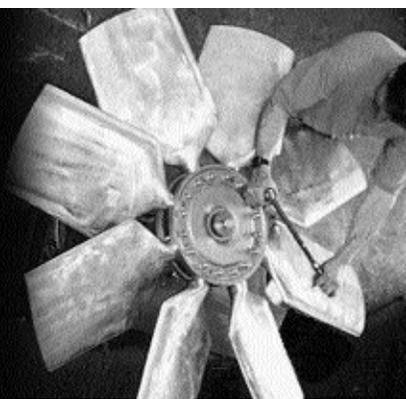


"No respect... they get no respect..."

**OUT OF SIGHT, WHIRRING CONTENTEDLY, UNTIL THEY STOP OR
DES IN ALL DIRECTIONS LIKE SOME SORT OF SUICIDAL WINDMILL.**

is not usually a top priority when it comes to maintenance and plant expenditures. Whether they are part of your HVAC or a key piece of your production... pay those fans the attention they deserve. e running properly, you should consider the added benefits of variable speed drives. Control time, speed, effectiveness, and cost more closely with properly designed and installed VSD units.

all Longo's engineering department at 973-537-0400 for cost saving recommendations.



These pumps will handle the following liquids: water, chemical solutions (acidic or alkaline) and hydrocarbons. Can be used in the applications for Co-generation, cooling tower, fueling service, fire pump (UL/FM), API-610, Chemical Plants, power plants, water treatment plants, steel mills, automotive paint and coolant systems.

BENEFITS **Lower Life Cycle Costs**

The vertical pump design provide Spacesaving & Low Operating Costs Weir Floway vertical pump design produces high pressures with premium efficiencies with low operating cost.

High Reliability

Low NPSH first stage construction is available to insure successful operation without cavitation problems.

Flexible Hydraulic Selection.

Pressure and flow variations are achieved by changing the number of stages or impeller types.

The pump bowl assembly is characterised as low energy per stage resulting in a broad flow range with excellent hydraulic stability.

Lower Life Cycle Costs

Long Impeller Life - Reduced erosion with multi stage units verses a single stage unit which has a high impeller tip speed.

Stable Operating Characteristic - Steep head curve provides excellent pressure sensor sensitivity.

Materials to suit the application - Cast iron/bronze fitted (standard) and available in any machinable & weldable alloys.

SYSTEM WORKS

VIBRATION INFORMATION MANAGEMENT

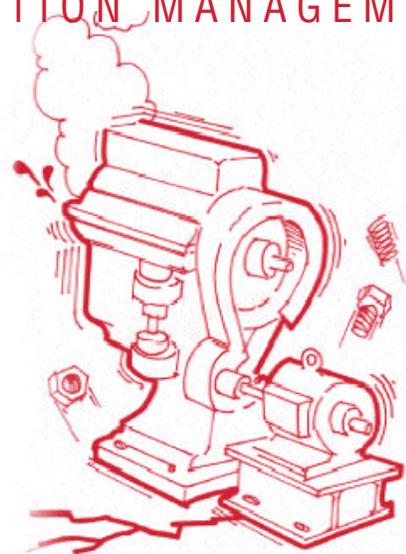


"Vibration is wasted energy. A by-product, caused by a mechanical, electrical or an operating problem in a machine."

Obviously, vibration is not a good thing, but a lot of the time it is tolerated, ignored or even invisible. The solution used to be bigger, tighter bolts, but that only puts off the inevitable and then the motor, pump, or other machinery involved begin to destroy themselves. It is one thing to simply pull a motor and replace it, but what about those custom-made presses, production lines, and other equipment vital to your operation?

That is the primary reason to detect and resolve vibration...reduce or eliminate major replacement and repairs. But there are even more practical reasons to test, monitor and resolve vibration conditions.

- Reduced maintenance costs
- Protect your assets
- Improve your preventive maintenance program.
- Reduce capital expenditures
- Protect your production



Today there are many ways to detect and resolve vibration problems so they are not costing you money now and even more in the future. The important thing is to do something now to establish a baseline of information. Then, whether you use long term or short term testing, you will at least know the status of your equipment now.

Other testing that can spot unseen problems are 1. Oil Analysis, 2. Infrared Thermography and 3. Airborne Ultrasound. Depending on the type of equipment you are running, all or some of these tests are definitely peace of mind procedures.

If you are getting a little "shaky" about how smoothly your equipment is running give us a call at 973-537-0400, x735 or x733 to learn more about what this type of testing can do for your specific operation.