SERIOUS SERVICE®

It is not about our trademarks or meaningless words but only the beginning of the commitment to our clients for the last 50 years in business.

We dedicate our experience and resources so you don’t have to worry about machinery vibrations and get back to what really matters.

“PEACE OF MIND AT WORK, MORE TIME WITH YOUR FAMILY, FRIENDS AND NATURE”

Garrett Sandwell, MET, CVA, ASNT 3
CEO
Why work with us? Serving Canadian Industry for over 50 Years.

VIBES Corp's reputation was built and established on thousands of promises fulfilled over 50 years in business across Canada. Superior quality service, sales and training courses provided on the intelligent specialist level has been the standard and always will be since our vibration and balancing business was formed in Calgary, AB, in 1982. (Formerly Industrial Balancing Ltd. Est. 1967)

In the final real-time analysis VIBES Corp will deliver more value and peace of mind.

What do we do? Expert technical services and preventative maintenance programs using advanced instruments and tools to solve various vibration, balance and mechanical noise related problems.


What do we sell, supply, install & service?

- COOLBLUE - Inductive Absorbers & Chokes = VFD any motor shaft current bearing damage protection
- DRIVE SYSTEM PARTS: Fans, Bearings, Sheaves, Couplings, Belts, Shafts, Misc.
- EASY LASER - Advanced Shaft & Pulley Alignment Instruments
- METALON Hi-Tech Synthetic Grease (EP 1.5 Blue)
- VIBRATION CONTROL, Isolation & thrust spring mounts, monitoring, trending, alarm/trip switch 24/7 machine protection
- WEG Electric Motors

The machinery under our professional health care program = VIBES-GUARD PdM Program® are treated as if our own. We use proven technologies and methodologies along with our multi-technical and electro-mechanical (VIV, ASD, VPM, CPM, VFD, EIBD, EDM, Shaft Currents, etc.) training, skills, and experiences for total overall analysis and evaluations. When the total analyzed facts about a machine, motor or engine are known we formulate an accurate condition report and recommend the best possible solutions. We work with clients to organize necessary actions in order of urgency or budgets.

Where do we work? (Commercial Towers, Infrastructure Facilities, Industrial Plants, Lumber Processing & Marine Ports, etc.)

Our service area is mainly BC Lower Mainland and Vancouver Island. If requested we can service other areas.

Who have we worked with?

VIBES Corp service capabilities have been used and accepted by high-ranking officials in:

- other service companies
- manufacturing and processing
- engineering firms
- universities
- colleges
- hospitals
- cold storage
- power plants and dams
- sewage and water treatment plants
- government infrastructure facilities
- oil and gas
- biogas energy systems
- transportation and construction
- commercial towers
- agricultural
- mining
- ski hills
- marine-terminals & ships
- asphalt and cement
- saw mills
- pulp and paper
- research and development
- machining / fabrication
- chemical plants
- restaurants
- skytrain tunnels

VIBES Corp accepts: EFT, VISA, Mastercard, Discovery, Debit & SWIFT
We take due diligence to the highest level on all projects regardless of size or budget.

Learn About Articles

You can download educational articles from our home page at www.vibescorp.ca. Here are four recent articles:

- Electrically Induced Bearing Damage, aka Electrical Discharge Machining (EDM), Shaft Currents.
- Failure Prevention of Variable Pitch in Motion Axial Fans.

The photos below show typical projects that we have completed.

Fig 1. The failure was due to defective bearing.
Fig 2. The stainless steel guard helps prevent moisture contamination in cooling tower fan bearings (a very common problem).
Fig 3. A new fan was installed due to a complete failure of the original.
Fig 4. Shows a 200HP motor and fan repair/replacement.

Solution to Fig. 1 Replaced both Fan Bearings & New Motor Required.

Solution to Fig. 2 The Guard has prolonged the Life Span of the Fan Bearings from 3 years to over 14 years.

Solution to Fig. 3 Installed Brand New Controllable Pitch Fan & Repaired Motor.

Solution to Fig. 4 Replaced the Old Motor based on 20 years of running time and Completed Variable Pitch in Motion Fan Maintenance.
CoolBLUE® Inductive Absorbers
Absorb the energy caused by the VFD’s at the source...before getting to the motor.

Elimination of Shaft Currents that were causing consistent motor bearing failures at this site.
Projects completed at these locations

Onsite Balancing on 1,000 HP Grinder

Restaurant Kitchen and Fresh Air Fans Upgrade

Assisted with fan assembly and alignment on this site

Vibration & Alignment Service Job

Tug Boat Twin Diesel Engines Vibration Analysis

Asphalt Kiln Exhaust Fan Balance Job
Projects completed at these locations

New Cooling Tower
40 HP motor installed

Cooling Tower emergency motor install

2 x 125 HP
Kiln-Exhaust Fan Balancing & Bearing Inspections

Abbotsford Pet Nutrition
450 HP Hammermill
Vibration Analysis, Rotor Balance & Laser Alignment Job

Hospital Lab Hood Fans Vibration Analysis

Geo Thermal Pump Station
Replaced Motor Bearings, Laser Aligned & Installed Cool Blue Inductive Absorbers
Projects completed at these locations

- Dynamic Balancing a Large Fan on site in New Westminster, BC.
- 2 x 125 HP Kiln-Exhaust Fan Balancing & Bearing Inspections.
- Complex Vibration Solution.
- Geo Thermal Pump Station Replacement Motor Bearings, Laser Aligned & Installed Cool Blue Inductive Absorbers.
- Hospital Lab Hood Fans Vibration Analysis.
- Naval Ship Diesel Generator Vibration Analysis.
- Balanced Wood Hog Rotor.
Projects completed at these locations

- 400 HP Motor & Compressor
  Food Processing Plant
  Vancouver
  Vibration Analysis and Laser Alignment

- Complete Fan Assembly Replacement

- Vibration Analysis
  Pleasure
  Cruise
  Ship
  Engines
  Vancouver

- 60 HP Joy Fan-Controllable Pitch in Motion Services

- 900 HP Drill Rig Compressor
  Vibration Analysis and Resonance Tests

- 900 HP Drill Rig RS Compressor

- 100 HP Woods Fan-Variable Pitch in Motion Services

www.vibescorp.ca  email: info@vibescorp.ca  Phone: 604 - 619 - 9381 (24/7)
Projects completed at these locations

- Customized motor plates and slide base installation
- 400 HP RS Compressor Coupling Laser Alignment
- Sea Water Pumps & Motors Retrofit
- Flower Drive Magnetic ASD Conversions on 16 Exhibition Hall Fans
- 350 HP Gantry Crane Motor & Gearbox Vibration Analysis
- 600HP Compressor System Laser Alignment Job
- Sky Train Tunnel Fan Vibration & Balance Job.
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Fig 1. The failure was due to defective bearing.
Fig 2. The stainless steel guard helps prevent moisture contamination in cooling tower fan bearings (a very common problem).
Fig 3. A new fan was installed due to a complete failure of the original.
Fig 4. Shows a 200HP motor and fan repair/replacement.

Solution to Fig. 1: Replaced both Fan Bearings.
Solution to Fig. 3: Installed Brand New Motor Required. Controllable Pitch Fan & Repaired Motor.
Solution to Fig. 2: The Guard has prolonged the Life Span of the Fan Bearings from 3 years to over 14 years.
Solution to Fig. 4: Replaced the Old Motor based on Variable Pitch in Motion Fan Maintenance.

This Chart is based on ISO 10816-3 VIBRATION SEVERITY GRAPH FOR GENERAL ROTATING MACHINERY.

- Velocity (ips = in./sec) peak
- Displacement (Mils x.001") peak to peak
- Acceleration or Force of Gravity "G" (ips² = in/sec² for simplicity)

REFERENCE POINT ● = 1800 rpm machine/motor excellent condition

ACCELERATION of FORCE OF GRAVITY "G" is 32 fps² = 9.8 m/s².
analyzed facts about a machine, motor or engine are known we formulate an accurate condition report and recommend the best possible solutions. We work with clients to organize necessary actions in order of urgency or budgets.


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VIBES-GUARD PdM Program

There are several additional detailed articles that identify more complicated vibration sources at [www.vibescorp.ca](http://www.vibescorp.ca) titled:

1) LEARN ABOUT VIBRATION VOLUME 1: BASIC UNDERSTANDING OF MACHINERY VIBRATION
2) LEARN ABOUT VIBRATION VOLUME 2: ADVANCED VIBRATION ANALYSIS
3) LEARN ABOUT ELECTRICALLY INDUCED BEARING DAMAGE & SHAFT CURRENTS
4) FAILURE PREVENTION OF VARIABLE AND CONTROLLABLE PITCH IN MOTION AXIAL FANS
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Cover Art Title “Head in the Clouds” by Arnie Nouwens www.thedutchmaster.com
