

Welcome to our March newsletter!

- Keeping you informed
- Occasional
- Contributions welcomed

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Don't get caught with your pumps down!

Let us save you a lot of headaches! No more large bills, no more disruption to production! Spread your maintenance over 12 months - all budgeted ahead and scheduled in around your plant production! Your personalized plan is detailed for each piece of your equipment. The plan includes comprehensive testing, reporting and servicing ensuring parts replacement are only done if required and overhaul of equipment is done before breakdown occurs. Hire pumps are available should your equipment need off site overhauls.

Regular preventative maintenance **reduces plant down time** as it increases plant reliability. Plant running costs are reduced as equipment is running at optimum efficiency. Safety of personnel and equipment is increased as regular testing reduces the very real fire risk.

Planned overhauls **ease the budgeting** process, reduce the stress of working under pressure in a breakdown situation and reduce the cost of the overhaul as it is done before major damage occurs. Overhauls are the ultimate in recycling—reducing pressure on world resource!

Due to the nature of processes using vacuum pumps and blowers breakdowns can still occur. In the event of a breakdown, while on a regular maintenance plan, our technicians can offer very quick solutions as they are intimately knowledgeable of your plant and its processes.

Throw out the panadol and call us today!

Get your FREE maintenance budget for the next financial year!

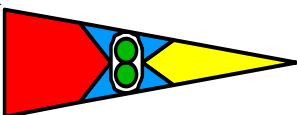


mbar fitness challenge cup 2010

9 teams joined in the challenge this year which is fantastic! A little different format this year—8 weeks fitness challenge requiring 5 x 30 minute exercise session per week to be logged. This is training for 27th of March when all teams meet for the Rosetown Great Race—an exercise treasure hunt! 45 minutes of physical, co-ordination and team challenges. The team with the most points (collected via exercise log, fundraising and Race Day) gets to hold the mbar Fitness Challenge Cup to defend next year.

Please help our fundraising efforts:

www.fundraiseonline.co.nz/rosetowngreatrace



New regular feature by popular demand!

Troubleshooting Tips

Mould Alert! Inside your pneumatic conveying blower silencer could be a factory for growing mould spores!

When in use the blower distributes the mould spores to the product!

The photos on the right show product build up inside a silencer. This type of silencer has no view port or cleaning access. The silencer in the photo was cut apart using a disc grinder. It was not possible to clean it to a satisfactory standard so was discarded and replaced with a cleanable mbar trap. The air velocity in the pipeline to the process is designed to convey powder products. The silencer is in the same pipeline.



Do you know what gick is inside your silencers?

Therefore, if foreign bodies get into the air stream they will end up in the product.

Solutions:

- Inlet air should be taken from an area where the ambient dust load is low, if possible.
- Have good inlet filtration.
- Where it is not possible to guarantee the inlet air quality, use silencers that are cleanable.



mbar Labyrinth traps reducing product downgrade

1. Stainless steel/white nitrile silencer/labyrinth trap.
2. Easy to disassemble and clean.
3. View port fitted to inlet side of silencer for easy inspection.
4. Check valve mounted up stream of trap so any component failure is caught in trap and seen.
5. Silencer on exhaust side so when blower seals fail lubricant is trapped and seen.

Staff News

Arno van Niekerk—mbar tech resident in Central Hawkes Bay!



In September Arno, Rhodien and Eldrico moved to Takapau to Rhodien's parents property. Arno is available for your plant for regular testing and maintenance through out the year with little or no travel costs!

He will fit in around your production schedules and maintenance budgets. Arno has the full support and back up of the rest of the team. To discuss your schedule with Arno please contact him on **0275 871 819**.

Congratulations

Luke Daczo for passing his restricted drivers license!



Peter specializes in water pumps—not just vacuum ones!

Peter Botha specialized in water pumps before joining the mbar team in February 2009. He would love to assist any one with water pump problems. We have the workshop equipment and expertise necessary for full overhaul of all brands of water pumps.

Give Pete a call on 07 871 8192!

Congratulations Pete on gaining NZ residency!!



Did you know?

1. **mbar** does contract balancing? We balanced 2 boiler fans and 2 motor rotors and replaced the motor bearings in a 6 hour turnaround.
2. **mbar** balancing rotating parts can lengthen bearing life by factors of 10?

Are you getting value on the inside? Mbar overhauls improve on new!



When you choose an mbar overhaul for your vacuum pump or blower the result is a pump that performs like new but has improved reliability.

An example of this is an mbar overhaul of a water sealed pump. From new these pumps have cast iron end plates. Over time the end plates corrode affecting their seal and causing them to leak. The water leak destroys the bearing. Any pitting or damage is machined out and the area is refurbished using an alloy metal repair, this alloy is corrosion resistant. The pump reliability is now better than new!

The port plates and the rotor are bronze from new but the sealing surfaces get worn by particulate contaminants in the sealing water. This causes the pumps flow performance to deteriorate. By re-machining these four surfaces and resetting clearances the pump performance is brought back to as new.

For increased reliability it is mbar's policy to use bearings with the correct load rating in kN for their overhauls (not all bearings have the same load ratings), this gives better bearing life. On customer request the rotor can also be balanced, decreasing vibration and increasing the pumps bearing life.



Not only does an mbar overhaul improve reliability, perform like new but it looks like new as well! All overhauls include sandblasting to remove build up and rust. After testing the pumps are then etch primed. This priming reduces the risk of paint flaking, particularly important in food processing applications. The pumps then receive a top coat so they go out the door looking like new again!

To contribute to future issues please send details to:
Debbie Vickers
accounts@mbar.co.nz
Thank you.
We welcome your comments at any time on the service we provide.
Ph: 07 871 8192

Testimonial Corner!

Here's what our customers say:

"the silencer/traps we have installed have made a huge, no enormous, difference to the noise in the room!"

"We have had nothing but the best service from mbar. They go out of their way to help in anyway they can."

For more testimonials please visit our website:

www.mbar.co.nz

mbar Ltd
pump overhaul specialists
24 hour phone 07 871 8192

As we do our best every time, our best gets better!

History—update for our new contacts!



600m² premises in Te Awamutu.

All overhauls done in house!

Over 180 overhauls done each year!

We have the capability to:

- Turn 1500mm between centres, 270mm diameter swing over slide and 500mm swing over bed
- Mill key ways and flat surfaces
- Surface grind up to 500mm x 200mm x 150mm
- Cylindrically grind to 1200mm between centres and 400mm diameter
- Dynamically balance 1800mm between bearing journals and up to 200kg to ISO1940 grade 1
- Test run up to 45kW

What do we do?

- Dynamic balancing—lengthen life and save energy
- Blower/vacuum pump overhauls—reliable and longer life
- Flow testing—assess equipment health for timely maintenance
- Hire pumps—shorten plant stoppages and save capital cost of spares
- Preventative maintenance—reliable and longer life
- 24hrs service—quick response shorten plant stoppages
- Service records online 24/7—no filing, easy access to reports
- Accessories—reduce premature failure, safeguard food products



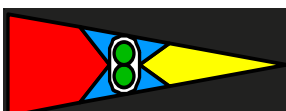
We know pumps inside out!

Industries we are active in:

Dairy, health, joinery, meat, printing, pulp and paper, research, water treatment

If you have an application using vacuum pumps and/or blowers check us out at www.mbar.co.nz and give us a call!

Est. 2001—Nationwide
100% straight up—unbiased, truthful advice
saving YOU money by reducing breakdowns, plant stoppages,
product downgrades and lengthening the life of
YOUR vacuum and blowing equipment.



mbar Ltd
pump overhaul
specialists

Any where, Any time, Any brand

24 hour phone 07 871 8192

60/1 Bruce Berquist Drive, Te Awamutu

mbar = making best a reality!