

# Lubey News



## Lubrication survey sparks cleanup!

A Lube Control lubrication survey can save your company mistakes and possibly thousands of dollars. It improves efficiency and rationalises products.

## In this edition of "Lubey News"

- Merry Christmas and Happy New Year
- Spotlight on
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Greasing electric motors
- Lubrication survey – provides efficient lubrication and avoids potential disastrous mistakes
- Feature product – Gearbox bladder breather
- The Comp – Movember. Who won?

## Lubey News

December/January 2009

## Merry Christmas

**Wow!** - that time has come again, and how quickly this year has passed. We have had a great year and you guys have been abso'lube'ley fantastic. Many thanks for your support during 2008.

We have had some excellent results in case studies during the year which we look forward to sharing with you for your specific industry.

In this edition of "Lubey News" you will see who's in the spotlight, a fantastic new product (the bladder breather for gearboxes up to 150L capacity!) and a great case study involving a lube survey. We'll also look at how to lubricate an electric motor, as well as who the winner is of our Movember competition.

I never realised how hard it is to grow a Mo and then to sustain it from start to finish. Good on everyone who participated for this great cause.

We wish you, your colleagues and your family a very Merry Christmas with many presents and a safe New Year. We look forward to seeing you in 2009... What 2009 already???

Kind Regards

Kai Linke

**Lube up!**

## Feature Product

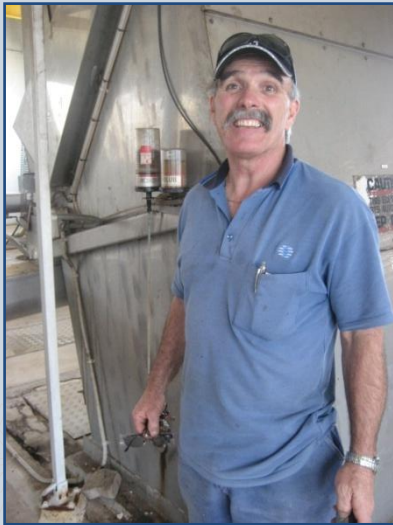
"Bladder" breather for gearboxes



Quarry, mining and operators in dust or in wet areas read this...

"At least 75% of gearbox failures are a result of contaminated lubricants." Avoid it!

## Spotlight on...



**Leon Reemst – United Water Glenelg**

Mechanical Team Leader

## Leon Reemst

**Name:** Leon Reemst  
**Company:** United Water Glenelg  
**Position:** Mechanical Team Leader

Lube control have had a long affiliation with Leon Reemst and his team at his Glenelg waste water treatment works (to anyone that works there it is called The Poo Farm).

United Water service over 1 million residents across the state – so we really couldn't live without them.

Leon at Glenelg uses a range of Lube Control's products including Lanox (lanolin oil), Addinol Chain Lube XHT 3000, Inox penetrene, White Oil, oil absorbents, Oilsafe products and off course, Memolubs.

It is a harsh environment at the treatment plant and therefore lubrication becomes a difficult but important task. This is why choosing the correct product for the job is vital.

As an example, United Water use Memolubs with oil cartridges and lube brushes to lubricate and protect chains continuously. They also use Memolubs on various bearings to keep them reliably lubricated.

We asked Leon a few questions to get an insight into his daily life.

**What did you want to be when you were young?**

I wanted to be a policeman.

**What's your favourite past time?**

Riding my Harley.

**Your favourite part of your job is...?**

Experiencing new mechanical machines and products that come out.

**What are your daily challenges?**

Pulling out and maintaining equipment without disturbing the process.

**What's your biggest lubrication problem?**

Lubricating chains that are running in water, and generally the difficult environment.

**What is your favourite Lube Control product?**

Memolub automatic lubricators.

**Who would you turn gay for?**

Kai the gay guy.

## Quick Ed – Greasing electric motors

Most motor failures are related to bearing failures. However, most bearing failures are not the result of bearing fatigue but improper lubrication. This could either be lack of lubrication, contamination or too much grease. Motors can be equipped with either open-, single- or double-shielded deep-groove ball bearings depending upon the manufacturer's preferences as they all are in different environments. That's why electric motors are a delicate asset to lubricate. Here are a few tips to put you in the right direction:

- Make sure relief plug is removed prior regreasing.
- Use a NLGI 2 grease with a base oil viscosity of 90 to 120 cSt at 40°C.
- Ensure grease going into the motor is fresh and clean, wipe the grease nipple clean.
- Ensure the new grease is compatible with the old grease
- Add new grease slowly to minimise excessive pressure in grease cavity.
- Lubricate while the motor is running.
- Ensure grease is coming out of the relief port (if it has one). If not it may be blocked.

How much, how often and what is the best grease to use? An easy question but a difficult answer. In most cases, people adhere to manufacturer recommendations, but they are often inaccurate.

Drop us a line for our recommendations at [info@lubecontrol.com.au](mailto:info@lubecontrol.com.au)



Overgreasing failure



Shield was pressurised by excessive grease causing cage failure

# Lubrication survey – Provides efficient lubrication, saves money, avoids potential disastrous mistakes and increases productivity.

## Background

Lube Control noticed an untidy oil store at Tip Top bakery. It was proposed that we perform a lubrication survey at the plant to see what lubrication improvements were possible. Thanks to **Daniel Ciavatta**, Tip Top's mechanical manager these improvements are being addressed and implemented and their productivity is on the increase.

## Lube Control's Solution

After the lubrication survey, Lube Control provided the customer with many solutions for their lubrication store, advice on how lubricants should be applied and on what type of lubricants should be used. Below is a summary:

Rationalisation of lubricants: **Before** there were 33 lubricants stored in the oil store. **Now** only 13 lubricants are stored. A huge difference.

Using 1 quality gear oil on site: **Before** 9 gearbox oils were used (grades from ISO VG 220 to 460 and from synthetic to moly based). **Now** only our Addinol Ecogear 460 is stored on site to cover all applications. This can extend component life and drain intervals up to four times as long.

Colour coordinating and labeling lubricants in food processing lube stores: **Before** there were grease guns and oil drums without proper labeling. **Now** colour coordinated grease gun bands are used for food grade and non food grade (we use green for non food grade and yellow for food grade). Additionally, each oil is labeled for its use.

Main conveyor chain lubrication: **Before**, lube techs mixed WD40 with diesel engine oil to lubricate main conveyor chains. This resulted in gumming up and many hours of labour was used to clean the chain. **Now** our Inox MX 5 with Teflon is used which actually cleans this chain as well as giving proper lubrication.

Automatic conveyor chain lubrication: **Before**, automatic lubrication systems that were installed had a brush system. The brushes were worn out and quality food grade lubricant was applied by flooding the chain. **Now** they are in the process of installing lube systems that lubricate the pins only, picking them up with a proxy. This will save thousand by not wasting expensive food grade lubricant.

Drive chain lubrication: **Before**, lube techs were mixing grease and WD40 together to brew up a lube paste. They applied this mixture to chains with a brush – very messy. **Now** they simply use our Addinol Chain Lube XHT 3000 in an aerosol – clean and effective.

Simple to use Lube Chart in oil store: **Before**, no one had any idea of which lubricant went where. **Now** they have a simple, but detailed colour coordinated lube chart hanging in the oil store. This is a very simple method for new shift workers, as it reduces potential mistakes.

The customer now uses Lube Control and another supplier for lubricants. Working together is better than working against each other.

This is a great example of how a lube survey can benefit. Lube Control offers these lubrication surveys. Please contact us should you wish to have a professional opinion.

From this...



Mixing of lubricants to get the apparent desired effect



No documentation and unlabelled lubricants containers and grease guns.



33 unorganised random products

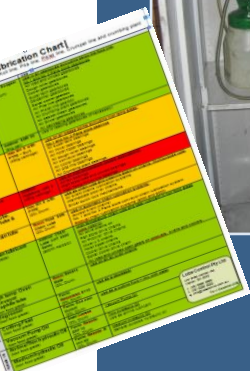
To this...



Organised to 13 colour coordinated lubricants.



Simple lubrication chart hangs in oil store





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## Feature Product...

### Hydroguard breather

**“Gearbox bladder type breather”  
eliminate all the contamination**

Approximately 75% of gearbox failures are a result of contaminated lubricants. For this reason we are now offering a breather that will eliminate contamination entering.

Different from simple breathers, our new hydroguard has a bladder or expansion chamber built in allowing air to expand and contract, opposed to entering and leaving the gearbox. The hydroguard is ideal for gearboxes in washdown, high humidity and dusty areas.

This is how it works:

1. Foam pad stops oil mist during exhalation and disperses air evenly over filter media and silica gel.
2. Patented polyester filter captures particles as small as 0.5 μ (73.5% efficiency), 3 micron absolute (β<sub>3</sub> >200).
3. Expansion chamber creates a nearly sealed system.
4. Silica gel removes water from incoming air, extending fluid and system life.
5. Quad check valves provide a slight system pressurisation, protecting system integrity.

A fantastic product for gearboxes that hold up to 150L in dusty or wet environments.

Please contact us if you would like our recommendation on breathers at your site.

### The Comp - Movember

It was hard, but we managed to do it. Growing a Mo takes a lot of will power and you have to get through the itchiness and dryness stage to get there.

Thanks to all the guys that sent in their photos. What a great cause promoting awareness in Men's health. Not only did we raise a bit of money for the foundation but the Mo also became a talking point; helping people to understand the concerns of prostate cancer and depression in men.

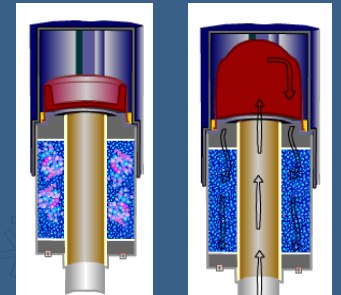
We did get a winner. Usually it would go to the worst Mo but Mike from Perilya Mine – Broken Hill had his Mo so well groomed and thick that it was truly awesome.

Well done Mike!

**To all** - have a great Christmas and look forward to seeing you in 2009.



Hydroguard breathers incorporate an expansion chamber to contain air under thermal expansion.



Hydroguard can also be used on other low flow applications such as pumps, bearing housings, and storage drums.



Some entrants were...

And the winner – Movember 2008 is... Mike from Perilya – Broken Hill Mine.

### Joke Corner

**Q: What's the difference between an egg and beetroot?**

**A: You can beat an egg but you can't beat a r...!**

**Q: How many blonde jokes are there?**

**A: One. The rest are all true stories.**