

Our Vision:

To be recognized as the premier organization dedicated to maximizing operational reliability.



OPMUG

Newsletter

November - December 2008

A Not-For-Profit Corporation

Our Mission:

Provide a forum for maintenance information exchange to all industries that can benefit from improved equipment reliability through networking, demonstration, benchmarking and leveraged training.

November 2008 Program

3-Day Program:

“Machine Lubrication Level 1 Training”

By: Noria Inc.
November 4-7th, 2008
8:00 a.m. – 4:00 p.m.

AUTRY TECHNOLOGY CENTER
1201 W. WILLOW
ENID, OK

To register contact Gene Burkett
gburkett@autrytech.com
(580) 242-2750 x 117



To register for exam, applicants **must** contact and pay directly to ICML (International Council for Machinery Lubrication)
 For MLT 1 (Machine Lubrication Technician Level 1)

OPMUG 2008 Event Calendar

November 4 th -6 th Lube Tech I	December 3 rd Base Plate Grouting	For registration and details visit www.opmug.net
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Procedure for Establishing an Effective Oil Analysis Program

By Allied Reliability

Oil is often times known as the bloodline of industrial facilities. Defining oil in this manner definitely emphasizes the importance it has on the health of equipment. So just how much do you know about your oil?

In the last 10-12 years more attention has been given to that question. Knowing that technology of today is advanced enough to give us a very detailed breakdown of oil; more companies are starting Oil Analysis programs.

A much more important follow-up question to the first is, how effective is your Oil Analysis program? A common trap that many companies run into is beginning oil sampling and analysis prior to program development. The purpose of this procedure is to identify steps of program development that will help in the overall effectiveness of Oil Analysis programs. Program development can be broken down into the following steps:

1. Independent Program Assessment
2. Training
3. Equipment Asset Review and Route Building
4. Modification of Equipment
5. Design Lubrication Storage and Handling Systems

An Independent Program Assessment is the first necessary step of program development. It is safe to say that most companies just don't know the current status of their plant and Oil Analysis efforts. During an independent assessment many areas of the program are compared to what is known as "Best Practice". (continued on page 2)

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Oil Analysis Program (continued from page 1)

1. (Areas such as oil sampling methods, lab test slates, storage and handling facilities, contamination removal methods, oil transportation devices, performance tracking indicators, and technician training and skills management are all focus areas used to determine current strengths and weaknesses. Once your independent audit has been completed and you know your opportunity areas for improvement, you may begin to start planning how you are going to move forward and implement a comprehensive program. Realize that if you move too far too fast you might build up barriers that are difficult to overcome. Many programs have failed because they tried to do too much too fast and burned out. Or a new program of the month comes up and you lose focus.

Program design may be broken down into smaller components of the larger project such as training of personnel, equipment asset review and route building, modification of equipment to facilitate efficient servicing, oil analysis test slates, and lubricant storage and handling systems.

Letter from the President

Bryan Henderson, OPMUG President

Survey Results Are In!

OPMUG Members let their voices be heard

First of all, I hope you had the chance to join us for our October 1st Program “*Current Process Technologies*” which included a tour of Coffeyville Resources, Coffeyville, KS; put together by two of our board members: Virgil Rexwinkle and David Box, both from CRV. They hosted a great show and provided an awesome lunch. Our thanks go to the CVR folks.

At our September board meeting we had the wonderful opportunity of using detailed information from the membership survey that almost 100 of you filled out. This information was extremely valuable in planning OPMUG's training and program events for the 2009 Calendar. We have never had the luxury of having such detailed information to chart our course for the upcoming year. If you get the chance, give a word of thanks to board member Gary Vannoy of USPS for creating and implementing the survey.

Here are the top 6 needs:

<i>Need</i>	<i>% High Interest</i>
Root Cause Failure Analysis	51.9
Alignment Level 1	45.5
Mechanical Bearings/Seals	45.3
Motor Failure Analysis/ PdM	44.7
Maintaining Pumps for Reliability	43.0
Reliability Centered Maintenance	

On top of that we had "high" interest levels in all the basics of Predictive/Reliability Maintenance. Oil Contamination, Oil Analysis I & II, Ultrasound I & II, Infrared I & II and Vibration I & II.

As a result of the survey, we are trying something completely different and maybe a little daring. For 2009 we are doubling the amount of training we have ever done. We also plan to repeat "Core Level I PdM courses" every year. It is a huge stretch for us both with our existing board (who are basically slaves for OPMUG) and our budget. The only way we can pull this off is to: 1) get State of Oklahoma Grants on virtually every training class (which for 2009 we will have two people writing grants -- **Gene Burkett**, Autry Technology Center and **Jeff Forquer**, Meridian Technology Center) and 2) dramatically increase our membership.

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Letter from the President continued from page 2

To increase membership, board member Mike Moore, Shermco, is donating time from Shermco's PR firm to help us find new ways to market ourselves, changing our website and focusing on keeping existing members.

We are really going out on the limb for 2009 to meet your training and program needs, so if you get a chance, mention a word to your friend at another plant that is not an OPMUG member. Tell them about all the networking opportunities. Tell them how you save over 50% on national caliber classes like Vib, IR and Alignment Level I & II and get free programs on stuff like Root Cause Failure Analysis and Motor Failure Analysis. AND you get to do it without paying for out-of-state travel. Ask them to join OPMUG. With more members we can do more -- for you!

A special thanks to our corporate members:



Membership Dues

Just a reminder of the types of memberships and their prices.

Individual/Corporate -----\$100 per person/year
(Up to 4 members \$400)

Corporate -----\$500/year
(Unlimited number of members)



This Issue's Safety Reminder
Lubrication Safety

Commonly Asked Questions

- Q. What is the most common cause of grease pump failure?**
- A. Air pockets created from grease entering the pumping chamber will cause the grease gun to operate erratically and lose prime. When loading the grease gun, it is very important to prevent air pockets and purge any air trapped between the pump head and container tube.
- Q. What is one of the most important machinery maintenance processes which, if not done, can lead to breakdown, catastrophic failure and/or employee injury?**
- A. The proper lubrication of machinery on a scheduled basis is the key to providing optimum machinery performance and product service life.

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<i>2008 OPMUG Officers and Committee Members</i>	
Board of Directors:	
President:	
Bryan Henderson	918-216-3519
Executive Vice-President:	
Lyndon Spinner:	918-447-5273
Treasurer:	
Lyndy Serpan	405-573-2488
Secretary:	
Keith Stanton	405-553-3317
Membership Director:	
Jason Wright	620-241-9159
Marketing Director:	
Mike Moore	972-793-5523
Program Director:	
Virgil Rexwinkle	620-252-4638
Training Director:	
Gene Burkett	580-242-2750
Training Coordinator:	
Gary Vannoy	405-366-4673
Publications:	
Jeff Forquer	405-377-3333
Webmaster:	
John Dillon	405-736-3490

Guest Policy

OPMUG has a guest policy for general meetings that permits potential members or interested parties to attend a limited number of meetings. Non-members may attend one general meeting without being members. (General meetings are one-day meetings on the first Wednesday of even months). This permits potential members the opportunity to observe the quality of OPMUG presentations prior to joining.

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2009 Calendar			
January	February	March	April
Training: Vibration Level 1	Program: 2-day Root Cause Failure Analysis Training: Oil Contamination	Training: Infrared Thermography Level 1	Program: Motor Failure Analysis Training: Alignment Level 1
May	June	July	August
Training: Ultrasound Level 1	Program: Introduction to Vibration & Infrared Training: Motor PdM	Training: Vibration Level 2	Program: Introduction to Reliability Centered Maintenance Training: Bearing Maintenance
September	October	November	December
Training: Infrared Thermography Level 2	Program: Best Practices Conference 2 ½ day Electrical Safety for the Qualified Electrical Worker	Training: Ultrasound Level 2	Program: Introduction to Infrared Thermography Training: RCM Training