



SEMPPE

South East Michigan
Power Plant Engineers' Society

A Professional Organization for Engineers and Suppliers of the Powerhouse Industry

President	Vice President	Sec/Treasurer	Sergeant-at-Arms
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March 2010

join us on the web at <http://www.semppes.com>

Volume XIII: Issue III

MARCH MEETING

Hosted by

Aircentric Corporation

Dan Dwyer

Presented by

Doug Griese

Topic

The presentation will be on dry dust filtration in all facets of industry. Donaldson-Torit is the manufacturer and Doug Griese will be the presenter.

Where & When

Date: March 18, 2010

Time

5:30 – 6:30 Social Hour

6:30 Dinner

7:00 – 7:30 Presentation

Place: **O'KELLY BANQUET HALL**

23663 Park Street

Dearborn, MI 48124

Phone : 313-278-5855

okellybanquethall@att.net

Cost: Vendors: \$ 25.00 per person

Engineers: \$ FREE per person

PLEASE R.S.V.P. to Dennis Insley

dinsley@advnet.net or call

(810) 650-2809 or fax (810)-367-2154 AS SOON AS POSSIBLE

Vendors take an Engineer to Dinner

SEMPPEES wants to help in this economy. We offer Dinners to vendors at \$25.00 or for \$20.00 more bring an engineer to the dinner. The \$20.00 will get the Engineer a year membership to SEMPPEES plus the dinner. The meetings offer great speeches & good food. See you at the next meeting.

2010 Golf Outing

Keep warm during the winter months – Start thinking about the SEMPPEES golf outing at the Lakes of Taylor Golf Course.

More information to follow in the March Newsletter



March Quote

The real reason for not committing suicide is because you always know how swell life gets again after the hell is over.

- Ernest Hemingway

President's Notes

FIRST I MUST THANK DENNIS FOR THE GOOD JOB ON THE PRESENTATION, IT APPEARS THAT IT WAS NEEDED BECAUSE HE HAS A LOT OF REQUESTS TO AMEND VENDORS INFORMATION.

OUR MEETING THIS MONTH IS RIGHT AFTER ST. PATRICKS DAY SO WE WILL HAVE

FREE BEER.

EVERYONE REMEMBER THAT THE END OF THIS MONTH IS THE DEADLINE TO PAY

THE 2010 DUES, ALL PAST PRESIDENTS ARE REQUIRED TO PAY \$20 TO REMAIN IN GOOD STANDING, PER OUR ARTICLES OF INCORPORATION.

I HAVE ATTACHED AN EMAIL FORM JEFF JENSEN, WHO HAS OFFERED TO HOST A BARBEQUE ON THE TELEGRAPH CRUISE DAY. I LIKE CARS AND I KNOW WE HAVE OTHER ENTHUSIASTS. LET'S DO IT.

Good afternoon Gentlemen,

As springtime nears, we at **Pumps & Systems** are thinking about ways to network and have a little of fun in the spring/summer months. We love the golf outings, but we also love motorcycles and car shows. We began thinking about how we could have a little fun with this. We are simply brainstorming at this moment, but I wanted to run a couple ideas past you as many of the SEMPPEs members are also motorcycle/classic car enthusiasts.

Last year I attended a one day class put on by Schoolcraft College titled ERC (Experienced Rider Course). The class was VERY educational and only \$25.00. We are thinking of picking a day and getting a group of people together to attend the class. For more information, you can visit www.schoolcraft.edu/cepd/motorcycle.

Second, there is a classic car cruise in late July (Saturday, July 31st) called "Telegraph Tomorrow Cruise". Our shop is located in Dearborn Heights...on Telegraph...coincidence? We were thinking of maybe inviting customers and SEMPPEs people on a ride, and then meeting for a barbeque at our shop in which we can watch the classic cars go by. This could be a SEMPPEs/PSI thing, an open-house, whatever. If people don't ride, they would be welcome to the bbq/cruise after the ride.

Lastly, we may be doing an overnight ride either up north or perhaps down south (maybe Tail of the Dragon) around September 16th-19th ish. We are working out the details and putting feelers out for what interest there might be.

All of these would be good networking opportunities for the SEMPPEs group and a good summer get together.

Let me know what you think. I would certainly be open to organizing such events.

Best Regards,

Jeff Jensen – Pumps & Systems

For more information or any input you may have, feel free to call me at (248) 320-7675

Chicken Soup for the Engineer's Soul

No. 1&2 Turbo-Generator Trip.

The Turbo-Generator had been running for about 30 Hours, when the Unit tripped on the oilring trip on the High Pressure Turbine. The Engine Room Operators, Ron Klee and I responded to the trip while the Boiler Room operators were busy reducing the load on the boilers. The instantaneous loss of approximately 900,000 Lbs/Hr flow caused the Safety valves to lift.

The Turbine trip was reset and the Throttle Valves were closed, latched and reopened. We brought the turbine back up to synchronous speed and the Main Board Operators put the Generators back on line.

I instructed the Main Board Operators to load the first 40 MW rather quickly to help the boilers with the high Manifold Pressure. The turbine seemed to be normal and we got a call on the radio stating that the Manifold Pressure was normal, but No. 1 Boiler still had a safety Valve blowing off steam.

The drum pressure being about 1300psig and the Safety Valve relieving, Ron Klee and I got our jackets and earmuffs and went on top of the boiler to see if we could persuade the safety valve to close.

What we found was that the Superheater Safety Valves had closed, but one of the drum valves stuck open. It turned out that the lifting nut cotter key was left out or fell out during the event and the nut had run down and made contact with the lifting arm while the valve was open. We removed the lifting lever from the Valve and the Safety closed. You don't know what relief that was to our ears.

Unfortunately the boiler was relieving too long through the drum safety and there was not enough steam flow through the superheaters and we had a failure in one of the bends and had to take the boiler out of service for repairs.

On Saturday morning we shut the Turbo-Generator down. Once the load was off the generator, we checked the Overspeed trip and found that the trip was just 20 rpm above the operating speed. After confirming the trip speed twice we shut the unit down.

We opened up the front standard on the H.P. turbine and found a piece of metal had broken off the oilring. We had to adjust the counter weight on the trip, not knowing how much to change the weight, I called Alex Mirich, who was the G.E. shop Rep and he told me that each notch changed the trip speed about 45 rpm. After a little discussion we decided to stay on the conservative side and only moved the counterweight 2 notches and shoot for about 1910 rpm rather than the normal 10% of 1980 rpm.

On the subsequent down turn of the Turbo-Generator we confirmed that the trip was set at 1910 rpm, this points out the value of being on good terms with your vendors, to be able to call on a Saturday morning and get information needed.

It is funny, but after 15 years or so I still remember the exact change per notch.

Ron Klee wrote a procedure for adjusting the trip speed on the G.E. Turbines and it worked on all the larger units we had.

Al Preis

50/50 Winners

1st Place - Joe Genaw from Arrow Pump & Motor

2nd Place –Mike Sanders from Oakwood Hospital

3rd Place - Barney Huffman from LaSalle Electric

Gift #1 – Kevin Barnes from Dearborn Ritz

Gift #2 – Keith Riley from Bulldog Boiler

Lets Welcome Our New Members

Mike Adams from CB Richard Ellis

Jeff Bazy from Dearborn Public Schools
James Flynn from Ford Motor Company
Marcia D. Hanson from Chrysler
Thomas B. Leighton from Dearborn Public Schools
Robert Mullins from C.B. Richard Ellis
Ken Siwa from Turner Electrical Services LLC

If your name was not noted as a new member please let us know and we will add to the next newsletter.

NOTES and COMMENTS

Click for link to 2010 Dues Form: http://www.semppes.com/2010_DuesWebForm.htm

- 1.) Supplier and Engineer Dues are **\$50.00** for suppliers and **\$20.00** for engineers for the year – **2010**
Membership certificates are now available. Forms at
http://www.semppes.com/2010_DuesWebForm.htm

Please pay at the monthly meeting or mail to our Secretary/Treasurer:
Please include your current address and email address.

SEMPPEs, C/O Tim Turner, P.O. Box 2770, Dearborn, MI 48128

When turning in your membership application please include two (2) business cards. Also please be sure to include your email address and web site on the application.

Attention both Engineering and Supplier members – Please check our website; <www.SEMPPES.com> to assure that your name and company is listed under the “members” heading. If not, please email our Webmaster, Dennis Insley, at dinsley@advnet.net and discuss your listing.

Please note the three headings to search by:
a.) Individual name b.) Subject and c.) Company.

All Engineering members are invited to complete and submit their membership information to be included in our club directory and database.

- 2.) If there are any mistakes on your email address/ mailing label please email corrections to dinsley@advnet.net . Also advise us of telephone number and email address changes to help us keep our files current.
- 3.) The membership roster for both engineers and suppliers is available on the website.
- 4.) SEMPPES Hats and Shirts are a great way to advertise our club to both vendors and suppliers. They make excellent gift items also. There are now hats and golf shirts available with the new SEMPPES logo. The hats are \$20.00 and the shirts are \$35.00. The club has new long sleeve denim shirts with the SEMPPES logo, which are now available.
- 5.) Vendors and Engineers are welcome to submit suggestions for future Presentations or Tours for the coming year. Presentations & Tours are a great way to introduce the club membership to new technologies, new products or ideas, and to help educate and update us with "what's new" in our

industry. They are a truly valuable benefit of SEMPPEs membership.

"Help wanted" and "Situations wanted" is another service available to club members. Notices can be published in our newsletter and on the SEMPPEs's website.