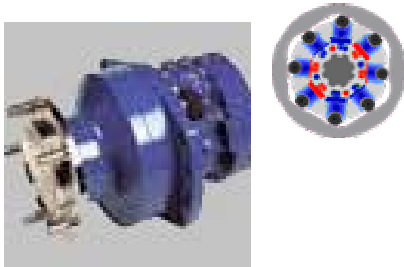


**NOVEMBER MEETING**

Wednesday, 16-Nov-2005

**--- EVENT AGENDA ---**

Registration:	4:45pm
Tours start:	5:00pm
Dinner:	6:00pm
Program:	7:00 - 8:30pm

PROGRAM:

Tour: Poclain Hydraulics Co.
Plant Tour and Presentation

- ◆ **Tonight we will focus on *Hydraulic Motors* and high torque drivetrains**
- ◆ **Join us for this *Racine area plant tour & event***
- ◆ **Last Milwaukee SAE opportunity to get together before 2006!**
- ◆ ***NEW!* - Be sure to let us know if you will require wheelchair assistance when you make your reservations**

--- DINNER ---**MENU:**

Buffet – B.B.Q. Beef Brisket & Smothered Chicken Breast Cordon Bleu, potato, salad, asst. cookies, brownies, beverages included.

DINNER PRICES:

SAE Members / spouses:	\$20.00
Retirees:	\$15.00
Guests / Non-members:	\$25.00
Students w/ID	\$10.00

**Meeting Location:**

POCLAIN HYDRAULICS, Inc.
1300 N. Grandview Parkway
Sturtevant, WI 53177
Phone: (262) 321-0676

Registration:

Dinner reservations must be received the week before the event. Only pre-payments made with a **charge card** can be completed online via <http://milwaukee.sae.org>.

Pay-at-the-door registrations are email: milw-sae@wi.rr.com or by phone on the SAE Registration Line **(414-687-3032)**.

Please be thorough. "No-shows" with reservations will be billed. 50-Year members entitled to 1 annual free dinner.

Registration deadline: 10pm – November 12th, 2005

Tour: POCLAIN HYDRAULICS, Inc.

As an industry leader producing hydrostatic transmissions integrating high torque cam lobe motors for over 40 years, POCLAIN HYDRAULICS was the first to bring this unique motor design to mass production. They also produce pumps, valves and intelligent hydraulic or computerized control systems.

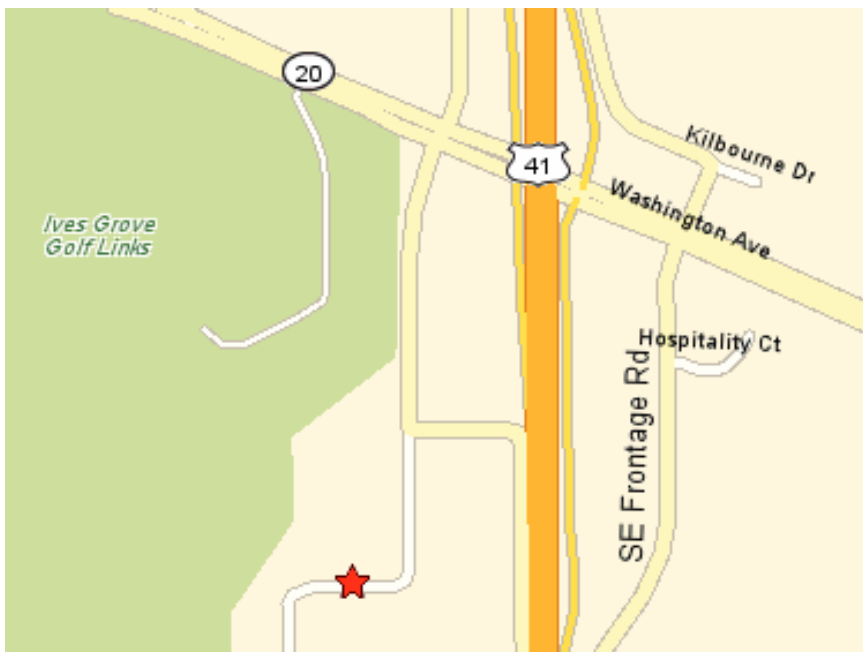
Using a vast array of high quality components, POCLAIN HYDRAULICS provides its customers with unparalleled expertise in systems integration. Their applications are very diversified, and include construction equipment, agricultural equipment, material handling, industrial, and marine applications among others. The most demanding manufacturers in the world have chosen POCLAIN HYDRAULICS.

Topic: Off-Highway Electronic Control System**Speaker: <> Kurt Voelkers, Project Manager**

Kurt Voelkers began maintaining hydraulic systems while working on Submarines in the US Navy. Since then, Kurt obtained his BS, Mechanical Engineering from Iowa State University and has worked in Applications Engineering at Sauer-Danfoss and Project Management at Poclairn Hydraulics. Kurt is a member of SAE and will be completing his Masters in Business Administration from Marquette University this December.

Topic: Hydraulic Transmission Systems**Speaker: <> Scott Mosur, Applications Engineer**

Scott Mosur graduated from the Milwaukee School of Engineering with a bachelors of Science in Mechanical Engineering Technology in 1997, specializing in fluid power. During this time he worked for the Milwaukee School of Engineering for 2.5 years at the Fluid Power Institute as a test technician testing hydraulic motors, pumps, valves, and filters for companies such as Eaton, Parker and Vickers. He has worked in the fluid power industry for over 8 years and for Poclairn Hydraulics for the last 3.5 years. As an Applications Engineer for Poclairn Hydraulics, Scott is responsible for providing support to all Poclairn Hydraulics products. This includes the custom sizing of the customer's ground drive transmission, performing prototype vehicle testing, trouble shooting hydraulic circuit problems and working with customers to ensure the proper installation and operation of Poclairn motors and electronics.

**Tour MAP :**

POCLAIN HYDRAULICS, Inc.
1300 N. Grandview Parkway
Sturtevant, WI 53177
Phone: (262) 321-0676

From Milwaukee:

- Take I-94 south toward Chicago
- Exit at HWY-20
- Turn right onto Washington Ave
- In 1 block turn left (before the golf course) and follow the road to the Poclairn Hydraulics parking lots

Milwaukee Section 2005-2006 Governing Board

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PAST CHAIRMAN:

Alt SECTION DELEGATE:
Dale Wiza
Professional Engineering Placements, Inc.
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- Chairman's Note -

What a wonderful evening shared by SAE, ASM and the Wisconsin Rubber Group organizations. SAE Milwaukee was proud to be able to welcome these organizations to our meeting and share the stage with them.

Our section would like to send a sincere thank you to Rich Teerlink, retired CEO of Harley-Davidson Motor Company, for his wonderful presentation. He was motivational for both the working professionals in the audience as well as the students from Menomonee Falls High School. In business and in one's professional life, to gain a competitive advantage remember to appeal to your customer's passion and differentiate yourself from your competition. We hope that you took something home from Rich's insight. Your Board's goal is to offer this type of opportunity for the continuous improvement of our members. Rich's points will be put to good use by all that were in attendance.

A thank you also goes to the Harley-Davidson's Pilgrim Road plant tour guides, and Wayne Vaughn, for their help in allowing our organization to tour the facility. We saw just a portion of the 400,000 square foot facility that produces hundreds of Harley engines and transmissions daily. This is truly a part of the heart and soul of the Harley-Davidson operation, and one of our most popular places to visit.

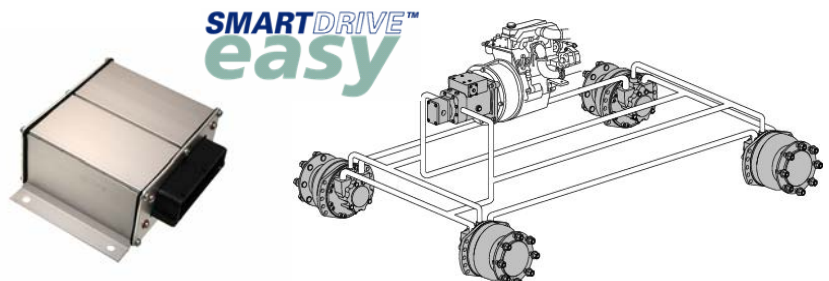
I thought that you'd like an update on Oshkosh Truck's DARPA Grand Challenge. Members who were present for the Oshkosh Truck tour will recall the TerraMax[®] robotically controlled vehicle and it's pending challenge event. Their autonomous 6x6 vehicle was one of only 23 entries out 195 that made the cut to compete in the final race, and 1 of only 5 that finished the race. Great job Oshkosh!

Finally, we need local corporate support and donations for the SAE Midwest Baja Event, which will begin on May 24th, 2006. We anticipate 125 student teams will register. Please contact me at (262) 636-1362, if you or your company can help donate. I can explain the options available in greater detail.

Don't forget to continue to check our website at saemilwaukee.org. I'll see you at Poclairn Hydraulics in Racine on November 16th.

Best regards,

Joe Sagat



Tour Assistance

Been an SAE member for awhile? Walking getting too difficult? We're making access available to members with special needs. Call the registration line at (414) 687-3032 and tell us if a wheel chair should be made available for you. We supply the helpers... but you must contact us in advance.



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|-----------------------------|---|
| January 19 Meeting | Patent Law and Liability meeting – Milwaukee |
| February 15 Meeting | (tour) MATC Diesel Engine Event – Milwaukee |
| March 13-18 Event | (trip) Clean Snowmobile Challenge 2006 – Houghton, MI |
| March 16 Meeting | Bruno Independent Living Aids – Waukesha |
| April 19 Meeting | SAE Student Night – UWM Milwaukee Campus |
| May 27 Family Night Meeting | 2006 Mini-Baja – Jefferson County Fairgrounds |

*Upcoming
Events*

Meeting Sponsorship

We wish to thank the following organizations for their continued support of the Milwaukee Section:



Poclain Hydraulics, Inc [Sturtevant]



Harley-Davidson Motor Co [Milwaukee]

For more information on becoming a sponsor, please contact any Section Board member.

Keep current with us on these SAE web sites:

www.saemilwaukee.org for the Milwaukee Section or
the national site at www.sae.org

For more information on *A World In Motion* call: 724-772-8514, and ask for Darlene Geweth
email: awim@sae.org internet: www.sae.org/foundation/awim