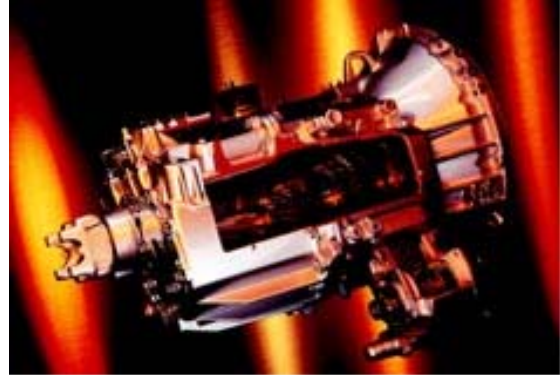


Caterpillar OEM Transmissions

Presented By: Charles Gerson

Tuesday, February 27th, 2007



Location:

Truck Center
300 E. Ashland St.
Morton, IL 61550
Phone: (309) 263-4240

Schedule:

5:00 PM	Social/Sign In
5:30 PM	Dinner
6:15 PM	Announcements & Sponsor Presentation
6:30 PM	Presentation on OEM Transmissions
7:15 PM	Question and answer

Topic of Discussion

Caterpillar has been involved with the heavy truck industry for many years as an engine supplier. Caterpillar is now producing a transmission product for the heavy truck industry as well. Please come join us at Truck Centers in Morton as we listen to Mr. Charles Gerson discuss Caterpillar’s venture into this exciting arena.

Guest Speaker

Mr. Charles Gerson is the Product Manager for the OEM Transmission program at Caterpillar. He has worked 29 years in various roles in the truck business. He has been with Caterpillar for 14 years working in the On Highway Truck Engine group and OEM Solutions prior to his current position. Before coming to Caterpillar, Charles worked at a trucking company where he provided dealer training for Ford Heavy Truck and also worked at a Caterpillar dealership. He is a Pittsburgh Pa. native and is a lifelong Steelers fan.



PHILIPPI-HAGENBUCH, INC.

“Helping You Move Mountains®”

- Program Dates**
- September 23
Precision Driving School
 - October 12
Fueling Our Future Transportation Needs
 - November 16
ICC Design Competition
 - December 9
SAE Social Event
 - January 24
X-Prize – The \$10 Million Prize
 - Tuesday, February 27
CAT OEM Transmissions
 - March
State Farm Crash Investigation
 - March
Auto Show – Student Projects
 - Wednesday April 27
SWE Career Development
 - May
Mapleton Foundry Tour



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Details

Main St. Deli will cater the event. The meal will be a box dinner with an assortment of meat sandwiches. There will also be vegetarian choices. Please register at sae_reservations@yahoo.com or call 800-512-1919. Please be sure to include which entrée you would like in your reservation. Reservation deadline is February 6th.

Pricing:

\$5.00 – SAE Member

\$7.00 – Non-Member

Free – SAE Student Member

Event Sponsor

Philippi-Hagenbuch, Inc. (PHIL) is characterized as the custom shop for off-highway truck haulage. Formed in 1969, our signature product was the Autogate[®] Tailgate, which was the first commercially produced off-highway truck tailgate.

Philippi-Hagenbuch products include: Specialty Truck Bodies, Water Tanks, Rear Eject Bodies, Bottom Dump Trailers, Container Handling Systems and other off-highway truck attachments. Through customized haulage solutions designed and produced to meet specific haulage needs, our company focuses on enhancing the sales and productivity of off-highway trucks.

Through engineering and manufacturing capabilities, extensive product testing and support, Philippi-Hagenbuch is committed to the design and manufacture of quality products used by mining, quarry, construction, waste and power plant customers around the world. Visit us at www.philsystems.com for more information.



PHILIPPI-HAGENBUCH, INC.

“Helping You Move Mountains[®]”

In This Issue:

• Event Lead Note

• National Engineers Week

• Communication Note

Event Lead Note:

I hope you will be able to attend this month's meeting on Caterpillar OEM Transmissions. I found myself getting more and more interested in this topic as I worked with Mr. Charles Gerson to coordinate this meeting and I am very excited at learning more about this new product. It promises to be very interesting and exciting! I would like to thank Charles, Jim Mies of Truck Centers, and Andy Berberich for their help and cooperation in setting this meeting up. I would like to thank Main Street Deli in Morton for catering this event also. Please plan to attend!

Marty Lehman
Program Committee



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Communication Note:

Since the last time that I wrote for the Centroid, CIS-SAE has brought to you some great programs. We hope that you have enjoyed them and have found them to be educational. I want to thank the CIS-SAE Program Committee for an excellent job in bringing us the programs. The Program Committee has had to work extra hard to ensure that everything runs smoothly at each event.

Due to the fact that this is my first year being involved with CIS-SAE, I would not have been able to have had the success that I have had without the help from the rest of the Communication Team. A very special thanks to: Steve Hofstetter, Guillermo Herrera, Ben Fong and Girish Parvate-Patil.

I would like to make a challenge to every member of CIS-SAE: Invite potential CIS-SAE members to the remaining programs. The Program Committee has done an excellent job of preparing the programs and I believe that once a prospective member attends a program, they will be excited to join.

Please feel free to let us know how we can better serve you, our members, from a communications point of view! Contact us at CIS_SAE_Communications@yahoo.com.

Matthew Anderson
Communication Committee

Spirit Of Peoria Social Gathering

On Saturday, December 9th, 40 people braved the snow and the cold to enjoy an intimate and merry holiday revue aboard the Midwest's unique and historic paddle wheeler, the *Spirit of Peoria*.

The *Spirit of Peoria* dinner cruise featured a tour of the boat's engine room given by the captain of the *Spirit of Peoria*. We saw a very clean engine room with two 3412 Caterpillar engines that turn 350kw generator sets. Two traction motors powered electrically by these generators turn two 12-inch belt chains, each 40 feet in length, which then turn the paddlewheel. The paddlewheel is made of wood, which is the best material for that application according to the *Spirit of Peoria*'s captain. Wood is better than metal in this application because of the flexibility of the wood as compared to metal. Also, if the paddlewheel were to get stuck in debris, the crew would actually break a slat in the paddlewheel to free the boat, and the wood slat is inexpensively replaced.

After our engine room tour, Bob Nault, the representative from our company sponsor, Donaldson, gave us a quick quiz about his company and brought prizes for those that knew the most about Donaldson. He gave us each a brochure as a reference, and we had only a few minutes to answer 10 questions about Donaldson. The best score was 9 out of 10, and he awarded Donaldson mugs to Ken and Marsha Wade, two non-SAE members that were attending a CIS-SAE event for the first time in 2006. Following our "pop quiz," we had social time and ate a delicious homemade holiday buffet. Because of the ice, the two-hour riverboat cruise was cancelled, and the boat stayed docked, but the *Spirit of Peoria* crew gave everyone a free ticket for a sightseeing tour of their choice in 2007. After dinner, we enjoyed the live family friendly entertainment of the Gary Neighbor's band, who played for us both serious and funny renditions of our favorite holiday songs.

All in all, our first CIS-SAE December social event was a success and everyone enjoyed themselves immensely!

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Spirit of Peoria decorated for the holidays



Engine Room – One of the Cat 3412
350kw

National Engineers Week

Sunday February 18, 2007

1:00 PM - 4:00 PM

Lakeview Museum of Arts & Sciences

Hands-on Activities; Exhibits; Demonstrations & Videos; Talk to the engineers; & Explore careers in engineering with the following Engineering Groups

- American Society of Civil Engineers Bridge Bust Competition: Bridge building contest for Middle School (Grades 6- 8). 1:30 PM - 3:30 PM (call Lakeview Museum for information on participation)
- Society of Women Engineers: Interactive experiments involving chemistry, aerodynamics, electromagnetism, potential energy, and designing an egg drop, exposing students to a variety of engineering careers
- Society of Automotive Engineers: Interactive experiments from their "World in Motion" program. Information on engineering careers.
- Farnsworth Group, Inc.: Interactive experiments in Civil Engineering
- Society for Materials Engineers: Continuous demonstrations on material structures and properties, failure analysis, metal forming, magnetism, and hot metal casting.
- Engineering Explorer Post: Experience what it's like to be an engineer by doing a hands-on activity involving design and construction. Engineering Explorer Post introduces high school students to engineering principles and disciplines with guest speakers, hands-on activities, & field trips (<http://www.engineeringexplorers.org>)
- Caterpillar Inc.: Interactive hydraulic systems display, Cat machine matching game, make-your-own off-highway mining truck and payload contest, engine component display, giveaways, drawings, Destination Technology science camp exhibit and more!



No Charge for Engineer's Week Activities; Discounted gallery and Planetarium Admissions
Call 686-7000 for more information www.lakeview-museum.org