



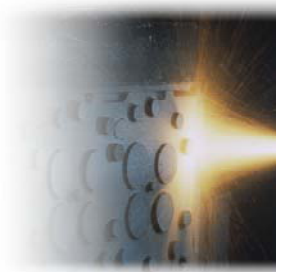
Trash to Treasure: The Business and Technology of Cat Remanufacturing

Tuesday, January 31st, 2006

Speaker:

Kevin Thieneman

General Manager, Remanufacturing, Caterpillar Inc.



5:00 – 5:30 PM Networking Session

5:30 – 6:15 PM Italian Dinner

6:15 – 7:30 PM Presentation

Kevin will be giving an overview on the business aspects of remanufacturing, discuss the internal and external markets, review Cat's science and technology, and show how these give Caterpillar its competitive advantage in this explosive business.

Caterpillar is one of the world's largest remanufacturers, processing more than 2 million units annually and recycling more than 100 million pounds of used products each year.

Weaver Ridge, Peoria: From US 150/War Memorial Drive, go south on Big Hollow Road. Drive 1 mile to Charter Oak Road. Turn right on Charter Oak Road. Drive 3/10 mile and it is on the left.

Cost: \$15/ \$18/ \$12 for Members/Retirees, Non-members, Students.

RSVP by Thursday, Jan. 26th, at 800-512-1919 or sae_reservations@yahoo.com. **Public/guests are welcome** (there is no age restriction, but we ask that children be able to listen attentively without disruption).

Thank you to our Program Sponsor:

Thanks to Don Matthey from **Alfa Laval** for sponsoring this meeting.

Don Matthey

Key Account Manager, O.E.M.

Alfa Laval Inc., 990 North Buhl Farm Drive, Hermitage, PA 16148

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Editor's Note

This month as I sit down to write this article, I ask myself “what is on my mind?” Unfortunately, too much! I had hoped that 2006 would start off organized, focused, and most of all, relaxed. Boy was I wrong! Both my work and home life has been very chaotic this first two weeks, working 12 hour days at the office, and coming home to renovation projects half-done, home maintenance, and family obligations. It has been overwhelming. Despite all this activity, I have been doing the typical “new-year’s resolution,” with a twist. Hyrum W. Smith, the CEO of Franklin Quest, has a book entitled “The 10 Natural Laws of Successful Time and Life Management.” The tag-line says “proven strategies for increased productivity and inner peace.”



Having read the first few chapters, I have to say that this is an excellent book—it stresses that the key is not to manage your time better so you can fit more into a day, but to manage your activities to your values. I found this to be a very fascinating concept, and anyone who has taken the Franklin Quest training recognizes this. I have gone through his exercises for writing down the values most important to me, and what I will do to live those values. And I have already started to use this to accept and decline invitations in the new year.

How does this relate to SAE? When I look at our CIS Governing Board, I see this concept in action. We have many great board members, and what makes us such a great team is that each of us has different things we are passionate about, but all towards to same mission of providing life-long educational opportunities for our members. Marty is passionate about all things car-related, and he and Dave are working hard to put together our March meeting with the head of Dale Earnhardt, Inc. engine development, Chuck Jenckes. Mustafa and Andy are very passionate about our student sections and Mini-Baja. We are very fortunate that each of our board members is doing what they are passionate about, and are serving their board by their values—what is important to them. The result can be seen in the programs we bring, the stories we report, and the way we engage with our community. I feel privileged to work with a group like this, and I hope you contact one of the board members to talk about the things that you value and what CIS can do for you.

Best Regards,

Andrea Brazzale
Communications Manager and
Former CIS Section Chair



Upcoming Program Topics:

Below, find potential program topics for CIS. The Program Team has outlined an outstanding line-up for this year, so keep a look-out for future program announcements:

February Engineers Week Lakeview Museum

March 21 NASCAR Engine Development

April Career Development

May 9 Columbia Accident Investigation Report & Return to Flight of the Space Shuttle

March 21, 2006, CIS will host an afternoon meeting (more details in the next Centroid):

NASCAR Nextel Cup Engine Development

ABSTRACT

NASCAR Nextel Cup engines are pushrod V8s which displace 5.8 liters, produce significantly more than 800 BHP for up to 800 miles, and have a regulated maximum operating speed of 9500 rpm. This lecture will provide a background and technical overview of a NASCAR Nextel Cup Engine; the development process, and will offer a virtual tour of Dale Earnhardt, Inc.'s Engine Department.

BIOGRAPHY

Charles Jenckes has a master's degree in mechanical engineering. His primary field of study has been in thermo-fluid science. He has worked in engine, and, fuels and lubricants research at both the OEM and supplier level. Mr. Jenckes has completed leading edge work in the mathematical modeling of high performance four stroke spark ignited engines. In Motorsports he has contributed to championships in Road Racing, NHRA Drag Racing, and NASCAR. His primary focus has been Nextel Cup engine development for the last five years. In his position as engine development engineer he serves as a technical resource to DEI's engine shop. Part of Mr. Jenckes' duties includes the introduction of new technology into the engine shop.

Mr. Jenckes has authored articles and technical papers on a wide range of engine topics from combustion and emissions to the use of CAE (Computer Aided Engineering) in engine development. He has received numerous awards for his work and presentations from the Society for Automotive Engineers (SAE).

Big Air & Big Snow: Michigan Tech's 2006 Winter Baja Competition

The University of Illinois will be competing at Michigan Tech's annual Winter Baja Competition on February 18th near Houghton, MI. The competition will consist of two 90-minute endurance races on a specially designed snow/ice track and a "big air" contest. This is a great opportunity to show support and see what student chapters are doing. Race highlights and results will be reported in a future issue of the Centroid.



More information available at:

http://www.baja.mtu.edu/winter_baja.htm

<http://students.sae.org/competitions/minibaja/>

<http://dilbert.cen.uiuc.edu/soc/sae/baja/index.html>

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