



Mission Statement:

To advance the science of tribology and the practice of lubrication engineering in order to foster innovation, improve the performance of equipment and products, conserve resources, and protect the environment.

STLE membership supports and expands your professional abilities through:

Education: Top-rated and affordable courses are offered at the Annual Meeting, by Local Sections and through certificate programs available in the field and online.

Certification: Earn recognition and valuable credentials through three STLE-sponsored programs: Certified Lubrication Specialist (CLS) Certified Metalworking Fluids Specialist (CMFS) and Oil Monitoring Analyst (OMA).

Professional Networking: Offered at two major international conferences, local section meetings or one of 23 technical committees and industry councils.

Upcoming Meetings:

January 2006

WELCOME

STLE Update provides our 4,000 members worldwide with news about STLE and practical content useful to technical professionals. Here's what's happening this month.

Happy Holidays from STLE!

STLE's headquarters in Park Ridge, Ill., closes after normal business hours on Dec 22 and reopens on Jan. 3. The board of directors and staff wish all STLE member a safe and happy holiday season.

Register for '06 Annual Meeting online starting Jan. 1

With the new year upon us, now is the time to starting thinking about STLE's 61st Annual Meeting & Exhibition, May 7-11, 2006, at the TELUS Convention Centre in Calgary, Alberta, Canada. More than 1,200 industry professionals are expected to participate in the meeting for five days of technical sessions, education, an 80-exhibitor trade show, the Commercial Marketing Forum and an unparalleled networking experience.

The meeting's complete program, including the titles of some 280 technical papers are detailed in a 64-page brochure that will mail with the January issue of Tribology & Lubrication Technology, STLE's monthly technical magazine. After deciding on an agenda of technical programming that's right for you, you can register for the meeting and hotel sleeping rooms with materials included in the brochure.

Beginning on Jan. 1, you also can register online by logging on to www.stle.org. Registration fees remain the same for the 2006 Annual Meeting as they were for the 2005 STLE meeting in Las Vegas: \$440 for non-members and \$640 for non-members.

Keynote session features speakers from major oil sands company

With energy prices steadily rising, the search for petroleum oil from non-traditional sources is a timely topic. STLE's Annual Meeting Planning Committee has addressed this issue by choosing two top executives from Syncrude Canada Ltd., the world's largest producer of crude oil from oil sands, as keynote speakers at the 2006 Annual Meeting.

James E. Carter is president and chief operating officer for Syncrude Canada, headquartered in Fort McMurray, Alberta. A mining industry veteran, Jim Carter joined Syncrude in its first full year of operation in 1979 and has played a prominent role in a variety of initiatives aimed at enhancing safety, reliability, production, unit costs and product quality. His leadership led to the introduction of technologies and processes at the mine face and within the plant that have caused incremental and revolutionary advances in productivity and environmental performance.





CALGARY · MAY 7-11, 2006

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STLEUpdate

1. What type of water-soluble fluid tends to mist the most?
2. You have been asked to determine the hydraulic system oil filter change interval. What property of the oil might be used to determine the best interval?
3. True or false: Grease with good reversibility will return to its original consistency after the high load is removed.
4. True or false: Polyoxadiazole is an antimisting additive.
5. What type of number is used to rate engine oils, which rates the measure of the oil's viscosity?

Answers:

1. Soluble.
2. Particle count change.
3. True.
4. False.
5. SAE.

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www.stle.org

Carter also has spearheaded and implemented innovative learning initiatives and skills upgrading opportunities within the company. In the community, he has actively engaged oil sands stakeholders to assure opportunity is appropriately shared and that Syncrude's operations proceed smoothly, responsibly and efficiently.

Carter began his career with Syncrude as manager of Overburden Operations where he introduced the Syncrude-owned truck-and-shovel overburden removal fleet. In 1981, he was appointed assistant general manager of mining. Carter was appointed general manager of Maintenance and Operations Services in 1986 and was promoted the following year to vice president of administration. Between 1989 and 1997, he served as vice president of operations.



Alan Fair is Syncrude Canada's general manager of research. He graduated from the University of British Columbia in 1978 with a bachelor's degree in geological engineering and spent one year working for a geotechnical consulting firm before joining Syncrude Canada Ltd. in 1979.

In 1995 Fair completed his master's degree in business administration from the University of Alberta. During his 27 years at Syncrude, Alan has held several different engineering and operations management positions within the mine, extraction and technology areas. He assumed his

current position in 2004.

Fair has authored many papers on a variety of topics relating to oil sands in the areas of mining, extraction and tailings.

The keynote session takes place on Monday, May 8.

Local Section Leadership Workshop can help keep your group dynamic

Professional networking is not only one of the key benefits of STLE's Annual Meeting, it's also an important activity of the society's 30-plus local groups in the United States and around the world. But bringing new members into local groups and then keeping them active and engaged remains a challenge for most section leaders.

If you're a section leader, you'll find help at a special Annual Meeting seminar that analyzes the needs of lubrication professionals based on their generation. The section is led by Dr. Edward P. Becker, STLE's secretary and an engineer for General Motors, and Dr. Jean K. Becker, owner and operator of a management consulting firm that provides training to for-profit and not-for-profit organizations.

The Beckers will provide insights into the wants and needs of the various generations: Silent Generation, Baby Boomers, Generation X-ers and Generation Y-ers. A growing body of research exists that can help section leaders better understand what each generation likes and doesn't like, how they make decisions, and strategies you can employ to keep them active in your organization.

At the end of the session, you will understand:

- How demographic differences impact our lives and organizations.
- The general traits of Silents, Baby Boomers, Gen. X-ers and Millennials.
- The different attitudes and motivations toward work of each group.
- Likes and dislikes for each age group.
- Why having different-aged cohorts represented on your board is important.
- Some of the common factors that attract each age band to volunteer—or drive them away.
- Special considerations for women.
- The need to rethink what we want from our volunteers and why.

Titled, "What's Age Got to Do with It?" the local section leadership workshop takes place on Sunday, May 7.

Jan. 15 deadline for IJTC papers

STLE encourages members to submit paper abstracts for the 2006 International Joint Tribology Conference, Oct. 23-25 at the Hyatt Regency San Antonio in San Antonio, Texas. Submission deadline is Jan. 15, and you can get all the details by logging onto www.conferencetoolbox.org/ijtc06/.

Co-sponsored by STLE and the American Society of Mechanical Engineers (ASME), the IJTC is where hundreds of your colleagues will gather for a unique technical conference focusing on cutting-edge research in the multidisciplinary field of tribology. A true international conference, the IJTC features technical presentations from researchers from more than 20 nations, including the United States, United Kingdom, Japan, Pakistan, China, Poland, Singapore and South Korea.

Conference planners are soliciting papers in tribology areas including but not limited to:

- Biotribology
- Coatings
- Contact mechanics
- Elastohydrodynamic lubrication
- Engine tribology
- Lubricants, additives and surface reactions
- Nanotribology
- Rolling element bearings
- Wear mechanisms and modeling.

For more information on the IJTC, contact Cindy Tomala at 630-323-7212.

Lubrizol K2M offers online learning for CLS credential

STLE and Lubrizol K2M are offering you the opportunity to participate in a series of online education programs designed to strengthen your lubrication professional skills and help you earn the valuable Certified Lubrication Specialist (CLS) credential.

STLE's CLS certification is a world-renowned professional credential for lubrication engineers. More and more lubricant companies and their customers are asking for the CLS certification as a prerequisite to hiring or using a lubrication professional.

To obtain the CLS credential, candidates must have three or more years of lubrication engineering experience and pass a 150-question exam. Lubrizol K2M's Development Series of online study programs can help you develop the expertise accredited by the CLS designation.

This innovative online series offers CLS candidates the freedom to learn at their own pace without traveling, coupled with support from a CLS-accredited expert who organizes and facilitates your study.

The inaugural CLS Development program, "Lubrication Fundamentals," concluded last month. The program is being expanded for 2006 and includes training on metalworking, bearings, gears, seals, solvents and cleaners and more. For details on the K2M study program, log on to www.lubrizolk2m.net.

The CLS credential is one of three STLE certification programs, including Oil Monitoring Analyst and Certified Metalworking Fluids Specialist. To learn more about STLE's CLS program, including program requirements, log on to www.stle.org/cls/index.cfm.

Stay warm and informed!

Looking for some indoors activities to stay out of the winter cold? Two STLE-focused resources are available to help you beat the cold weather blues.

“Lube Job” is a 50-minute documentary produced and broadcast in 2005 by The History Channel and featuring interviews with STLE members. Part of The History Channel’s Modern Marvels series, Lube Job explores the history and functions of lubricants from ancient Egyptian chariot wheels to computer hard disks. The History Channel used an article from the June 2005 issue of TLT magazine, titled “The 10 Greatest Events in Tribology History,” as part of its research for the program. Also available in VHS, the Lube Job DVD sells for \$24.95.

STLE also was the focus of an article titled “A World of Opportunity” that appeared in the September issue of Forum magazine, published by the Association Forum of Chicagoland. The organization is comprised of members of Chicago’s not-for-profit community.

The article begins with an examination of how STLE created a Caribbean local section based in Trinidad and Tobago and also explores the society’s global outreach. The establishment of the Caribbean section was initiated by a simple information search on STLE’s Web site by Kuarlal Rampersad, a lubrication professional with BP Trinidad Tobago. Rampersad was so impressed by STLE’s information and networking community that he asked the board if he could take the necessary action to create a section in the Caribbean. Coincidentally, Rampersad is the subject of a Q&A in the January issue of TLT, which should reach your office or lab in about three weeks.

You can order Lube Job and read the entire Forum article by logging on to www.stle.org.

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