



STLE Update

WHERE SCIENCE MEETS THE BOTTOM LINE



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:

October 2005

WELCOME

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

October 1 deadline looms for Calgary presentations

The Annual Meeting Program Committee is currently soliciting content for STLE 2006, and we expect more than 250 technical and practical presentations will be selected for the Calgary program. If you plan to submit an offer form, remember that the deadline is Oct. 1, 2005. The easiest way to submit your proposal is through the online form located on the STLE website: [2006 Offer Form](#).

Exhibitors take note: Reservations for exhibit space and time slots for the Commercial Marketing Forum are also now being accepted. Information is available through the 2006 Annual Meeting website or by contacting exhibit sales manager [Tracy Nicholas VanEe](#).

The STLE 2006 Annual Meeting & Exhibition, will be held May 7-11, 2006, Telus Convention Centre in Calgary, Alberta, Canada. Watch for complete program information and registration forms in January.

Register now for Metalworking Fluid Management Certificate Course

This popular education program returns on November 1-3, 2005, at the Society of Manufacturing Engineers (SME) headquarters training facility in Dearborn, Michigan. The Metalworking Fluid Management Certificate Program, jointly developed by STLE and SME, got an excellent rating from the nearly 70 participants in the debut session last November. STLE members get a \$200 per person discount off the standard registration fee.

The purpose of this **Certificate Program** is to provide a standard achievement to improve your knowledge and understanding of metalworking fluid management. By achieving this certificate, you will have documentation of your knowledge that you can take to your current and future employers to validate your expertise. Moreover, it will satisfy one of the qualification requirements for eligibility to stand for **STLE's Metalworking Fluid Manager Certification**. You benefit by getting the recognition you deserve for your knowledge and skills, your company benefits by having you as a recognized, trained professional and the industry benefits with improved metalworking fluid system management.

For complete program and registration information, consult the [STLE website](#).

IJTC heads for San Antonio in October 2006

STLE and ASME-Tribology Division have selected San Antonio, Texas (USA) as the location for the 2006 International Joint Tribology Conference. This unique technical conference, which focuses on cutting edge research in tribology and



CALGARY - MAY 7-11, 2006

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STLEUpdate

Below)

1. Minor fuel dilution in a diesel engine oil is ok, because at operating temperatures the diesel fuel will evaporate from the oil? {True or False}

2. What are three reasons to sample oil from important standby machinery found in an industrial environment?

3. Too much grease in a bearing housing will cause what types of effect?

Answers:

1. False.

2. Airborne debris; water can collect due to temperature and humidity changes and vibrations of neighboring machines; services, such as installed heaters or coolers, may fail.

3. The bearing will run hotter, the grease will fail more quickly and the excess grease may shorten bearing life.

Terms of the Profession

Cloud point: The temperature at which a lubricant appears hazy due to wax formation when a sample is cooled under standard conditions.

Inhibitor: An additive that improves the performance of a petroleum product through

related fields, will be held October 22-25 at the Hyatt Regency San Antonio.

Abstracts for the conference are due in January 2006. Details on the conference program and an online submission form will be available soon on the STLE website.

WTC audience and subjects span the world of tribology

The 2005 World Tribology Conference (WTC), concluded earlier this month in Washington, DC, brought together a crowd of nearly 900 researchers from 50 countries around the globe. Program content was equally impressive, as more than 1000 offers of paper were organized into 100 presentation and poster sessions. The WTC program, by comparison, was about twice the size of a typical STLE Annual Meeting technical program. WTC was hosted by STLE and the ASME Tribology Division.

Conference participants noted that the number and breadth of submissions show that activity in tribology is strong and growing. Several topic areas increased in relative participation since earlier Congresses, including biotribology, magnetic storage tribology, nanoscale tribology, and tribology in the environment.

The Washington venue put the spotlight on tribology as a scientific and technical discipline. For example, President George W. Bush, in a welcoming letter to Congress participants, captured the significance of the event by remarking, "Your spirit of ingenuity and professionalism helps extend prosperity and goodwill around the world and build a better future for our citizens."

At the close of the Congress, officials of the International Tribology Council (ITC) announced that WTC 2009 will be hosted by the Japanese Society of Tribologists (JAST) in Kyoto, Japan. The dates are September 6-11, 2009.

"Clean Report" on audit of STLE 2004-2005 finances

STLE's Constitution requires us to conduct a comprehensive audit of society finances for each fiscal year (which runs from July 1 to June 30). The report for Fiscal Year 2004-2005, which was presented to the STLE Board in September, gave our organization a "clean opinion" in terms of finances and management practices.

Overall, STLE earned revenue of \$1,883,241 in the past fiscal year and reported expenses of \$1,812,130, for a change in net assets of \$71,111. One new aspect this year was the involvement of an Audit Committee comprised of four Board members and chaired by Director Michael Anderson of Falex Corp. The Committee did a fine job working with our independent audit firm, Selden Fox, Ltd. of Oak Brook, Illinois.

New Western Regional Vice President joins STLE Board

Greg Croce, OEM service engineer for ChevronTexaco Global Lubricants, San Ramon, California, was elected earlier this month as STLE's new Western Regional Vice President. He will serve a two-year term, through May of 2007, as the Board of Directors representative for STLE members in 13 Western states. Croce replaces Jim Mather, who served from 2003 to 2005.

GM and Conoco Phillips researchers receive Hunt Award

During last month's World Tribology Congress in Washington, STLE presented its Captain Alfred E. Hunt Memorial Award. This Award is named for the first president of ALCOA. It is given annually to the STLE member or members authoring the best paper dealing with the field of lubrication or an allied field.

The 2005 recipients are Dr. Simon Tung of General Motors Research and Development Center and Dr. Hong Gao of Conoco Phillips. Their award winning paper title was: "A Study of Break-in Film Development with Different Piston Ring

the control of undesirable chemical reactions.

Miscible: Capable of being mixed in any concentration without separation of phases; e.g. , water and ethyl alcohol are miscible.

Volatility: Expression of evaporation tendency. The more volatile a petroleum liquid, the lower its boiling point and the greater its flammability.

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www.stle.org

Coatings and Correlation with Electrical Contact Resistance Measurements.”

STLE international programs are in the news

The September 2005 edition of Association Forum magazine featured a cover story dealing with STLE’s efforts to build an international membership. The five-page article, titled “A World of Opportunity,” describes STLE as a “shining example of how adopting a global focus has helped an organization stabilize membership, share knowledge and learn from international members.” Forum circulates to about 7,000 association management professionals around the United States. Go to <http://www.associationforum.org/> to read the full story online.

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