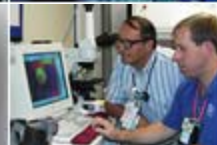




# STLE Update

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 live at a variety of locations or through the new [LubeLearn](#) on-line education program.

**Certification:** Earn recognition and valuable credentials through two STLE-sponsored programs: Certified Lubrication Specialist (CLS) 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.

JULY 2005

## 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.

### STLE aids The History Channel with lubricants documentary

Two paths neatly intersected this March when producers for The History Channel contacted STLE as part of research they were conducting for a show on the history of lubricants. Coincidentally, TLT magazine was working on a story about the 10 greatest events in the history of lubrication. The TLT article, including a special foldout poster sponsored by Afton Chemical, appeared in the June convention issue that was distributed in Las Vegas.

STLE forwarded a copy of the June TLT to the producers, who used it as part of their research for the one-hour show titled, "Modern Marvels: Lube Job." Like the TLT article, the program examines the dynamics of friction and traces the history of lubricants from the ancient Egyptians through to machines used in space exploration.

The program broadcasts Wednesday, Aug. 10, at 9 p.m. ET. Producers told STLE the program should be available after its broadcast on videotape and/or DVD and can be ordered at [www.thehistorychannel.com](http://www.thehistorychannel.com).

### Post your resume on STLE's Career Center

STLE is utilizing the same innovative technology used by Monster Board and other job-service organizations for its new and fully operational Career Center. To access the center, log on to [www.stle.org](http://www.stle.org).

STLE's Career Center allows both active and passive job seekers such options as anonymous resume posting, job alerts by e-mail and the ability to communicate with potential employers via an internal messaging system.

The new center is designed specifically for STLE members and contains only jobs of interest to people in the tribology and lubrication engineering fields. If you're a first-time user, setting up your account takes about 10 minutes.

Employers and recruiters will find that the Career Center allows for immediate posting of job openings so you can have quick and easy access to the best candidates in our unique field. Members can post their resumes for free. STLE-member employers can post a job for two months for just \$200.

STLE's Career Center has one major advantage over other job services in that it is dedicated completely to careers in tribology, lubricants and lubrication engineering.

"The Career Center is a great example of how our organization has customized technology for the purpose of providing a critical industry and member service," said STLE Executive Director Ed Salek. "There's no doubt that this will be a significant new benefit for employers needing to find the best technical people and for individual members looking to STLE to support their career development and advancement."

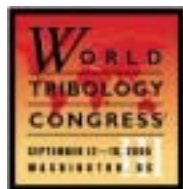
### STLE meeting garners high marks from attendees

STLE's 2005 Annual Meeting & Exhibition in Las Vegas was an unqualified hit,

## Upcoming Meetings:



ASME/STLE  
International  
Joint Tribology  
Conference



SEPTEMBER 11-12, 2006  
WASHINGTON, DC

STLE's 2006 Annual  
Meeting  
May 7-11 Calgary, Alberta  
Canada

## Your Knowledge

### Questions:

1. Minor fuel dilution in 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. Tapered roller bearings offer both axial and radial load capacity. {True or False}
4. The sample point in a compressor requires taking the sample from a remote "dead leg" location. What would be the best practice when sampling?
5. What types of effects are caused by too much grease in a bearing housing?

### Answers:

1. False.
2. (1.) Airborne debris, (2.) water can collect due to temperature and humidity changes and vibrations of neighboring machines, (3.) services such as installed heaters or coolers may fail.
3. True.
4. Flush the valve well before sampling.
5. The bearing will run hotter, the grease will fail more quickly and the excess grease may shorten bearing life.

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according to 200 members who participated in a post-meeting evaluation survey. Asked to rate the overall meeting, 84% of survey respondents said it was either good or excellent. Those members also gave high marks to the location at Bally's Las Vegas: 73% of them said it was good or excellent.

When asked to rate individual components of the meeting, the following percentages of respondents said either good or excellent: technical sessions, 72%; trade show, 65%; business networking, 64%.

Exhibitors at the meeting completed a separate meeting-evaluation survey and indicated they, too, were happy with the Las Vegas trade show. 100% of survey respondents say they either met or exceeded their business objectives at the show. Nearly half of the exhibitors answering the survey left Las Vegas with 20 or more business leads/contacts. In addition, 100% of respondents said the number of contacts they made at the trade show either met or exceeded their expectations.

The 2006 STLE Annual Meeting & Exhibition is May 7-11 at the Telus Center in Calgary, Alberta, Canada. Mark your calendar now!

### Picture yourself

A professional photographer took more than 200 photos of STLE members on Tuesday, May 17, the third day of the STLE Annual Meeting. You can see six pages of the photos, capturing education courses, technical sessions, the trade show, the President's Luncheon and the Commercial Marketing Forum, in the July issue of TLT magazine, slated to reach your office or lab in about two weeks.

Many STLE members are captured in these photos. To see all the images, [click here](#). If you see yourself in a picture and want to capture it, just left click your mouse on the thumbnail to see the image in full-screen. Then right click on your mouse, choose Save Picture As and download the image into a folder. You will then have a digital image that you can e-mail or convert into a print.

### Second edition of Basic Handbook of Lubrication now available

The newly revised second edition of the Basic Handbook of Lubrication is now available at a discount for STLE members. Published by STLE's Alberta Section, the second edition offers practical advice for anyone involved with lubricants and lubrication engineering.

The handbook is a comprehensive 300-page text with entries from more than 25 contributors. The book covers over 30 different topics and is a worthy successor to one of the most practical and popular lubrication books ever published.

With an emphasis on tribology fundamentals and practical application information, the handbook is an excellent reference for newcomers to the field as well as industry veterans. The distinguished team of writers collaborated to create an invaluable resource for people who buy or use lubricants every day.

The handbook is \$60 for STLE members and \$80 for non-members. To order, log on to [www.stle.org](http://www.stle.org) and click on the Publications button.

The Alberta Section says it will use all proceeds from book orders to fund the Welcoming Party at the 2006 STLE Annual Meeting in Calgary, Alberta, Canada. By ordering the book, you'll not only own a world-class tribology reference, you'll also help fund next year's annual meeting.

### A report on emerging additive technologies

The September issue of TLT features a cover story on the latest trends driving lubricant additive technology. The article, authored by TLT features editor Kathryn Carnes, is based on an informal survey with 40 executives from the industry's leading additive manufacturers.

The article will examine such issues as:

- The additive areas that are most likely to receive the bulk of R&D expenditures in the next five years.
- How additive development is being affected by regional and national

differences in such areas as health, safety and the environment; technology and specifications; and distribution and marketing channels.

- The ways in which additive development will be impacted by molecular engineering, computer simulation and other advanced formulation and testing techniques.
- How legal liability issues related to REACH, HPV, Endocrine-Disruptor and similar programs will affect the quality of additives in the future and the number of additive manufacturers.

TLT is seeking executives from additive companies to interview for the story. If you would like to be included in the story, contact Kathryn Carnes at (713) 784-8999, [k.carnes@sbcglobal.net](mailto:k.carnes@sbcglobal.net). If you have not done so already, you will be asked to complete the survey form, which takes about 10 minutes.

#### **Have a case study? Earn a free annual meeting registration**

TLT magazine is interested in publishing case studies relating to best lubrication practices. If we publish your case study, STLE will send your organization one complimentary registration for the 2006 annual meeting in Calgary, a \$440 value.

Publishing a case study in TLT demonstrates the problem-solving and analytical skills of your key people and systems and affiliates your organization with the premier technical magazine in the lubricants industry. If accepted for publication, your case study will be seen by 7,000 leading lubrication professionals.

Your case study should:

- 1.) Articulate a specific or unique lubrication problem, stating its scope and technical details.
- 2.) Explain the technical solution you achieved, describing the results in measurable, scientific terms.
- 3.) Have a technical rather than commercial foundation, mentioning specific products only when necessary. We'll highlight your company with an expanded corporate profile at the end of the article.
- 4.) Be in the range of 1,000 to 1,500 words and accompanied by digital images suitable for reproduction.

Send your case study to TLT managing editor Karl Phipps at [kphipps@stle.org](mailto:kphipps@stle.org). For more information, call Karl at 847-825-5536.

The Society of Tribologists and Lubrication Engineers

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