



# 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:

November 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.

### Register for your Calgary hotel online

Registering for your hotel room now is a smart move if you're planning on attending [STLE's 2006 Annual Meeting & Exhibition in Calgary, Alberta, Canada, May 7-11](#). Registering early assures you of a room in one of the three cosponsor hotels, gives you more options and ensures the special STLE group rate.

Housing reservations are not being accepted by phone. The best way to make your reservations is through the STLE Web site. Just log on to [www.stle.org](http://www.stle.org), click on the Calgary logo and then the Hotel Registration button. You'll be taken to a form asking for your arrival and departure dates. From there you can choose from rooms at the Marriott Calgary, the Hyatt Regency Calgary and The Fairmont Palliser. Prices range from \$160 to \$179 (CAN).

All three hotels are physically connected to the TELUS Convention Centre, site of most of the annual meeting's activities.

### Alberta Section plans Calgary special events

There's plenty to do in Calgary in addition to the year's premier tribology event. For the more outdoorsy types, Calgary offers mountain biking in Kananaskis, hiking in Banff National Park or canoeing the Bow River.

STLE's Alberta Section also has planned some special events to help you enjoy your stay north of the border. The fun begins with a pre-annual meeting golf tournament on May 6 at Heritage Point, one of the top 30 courses in Canada. To learn more about the course, visit [www.heritagepointe.com](http://www.heritagepointe.com).

For those staying after the convention, the Alberta section is organizing a bus trip to Banff on May 12. Details will be available soon.

During the meeting, the section has created a three-day Partners Program trip. Day One includes a trip to Banff in the beautiful Canadian Rocky Mountains with lunch atop scenic Sulphur Mountain. Day Two is spent visiting some of Calgary's top attractions, including the Big Rock Brewery and Heritage Park, a historic village set in the pioneer days of the early 1900s. The trip concludes on the third day with a visit to the Badlands of Alberta. You'll also visit the renowned Royal Tyrrell Museum and get a look back to a prehistoric earth ruled by dinosaurs.

More information on Calgary special events, along with registration information, is coming soon.

### Reserve your Calgary booth and CMF spots now!

Only 12 time slots remain for STLE's 2006 Commercial Marketing Forum, and it is



CALGARY - MAY 7-11, 2006

E-mail your comments to  
[STLEUpdate](mailto:STLEUpdate)

treatment using mineral acids and polyvalent salts is known as what?

2. The viscosity of oil will increase as the oil oxidizes. {True or False}

3. Grease is normally used in applications where there are heavy loads and slow relative motion between the shaft and the bearing. {True or False}

4. What is the main function of metalworking fluids?

5. What ingredient is included in lubricants in order for them to last longer?

#### Answers:

1. Chemical treatment.
2. True.
3. True.
4. Lubricate and cool the workpiece/tool interface.
5. Additives.

#### 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**

looking as though all the positions will be gone by Thanksgiving. One of the more popular events at the annual meeting, the CMF is a series of 30-minute slots where companies, organizations and individuals can make commercial presentations to a captive audience of leading lubrication professionals. CMF presenters discuss their newest products, services and technologies, something not allowed during the technical sessions. You can sign up for a CMF slot at [www.stle.org](http://www.stle.org).

Booth space for the 2006 trade show in the TELUS Convention Centre also is selling quickly. If you plan to exhibit in Calgary, you are strongly urged to contact STLE national sales manager Tracy Nicholas VanEe at 630-922-3459, [tnicholas@stle.org](mailto:tnicholas@stle.org).

#### **MWF certificate course in Dearborn, L.A. and Calgary**

If you act fast, you can still register for the Metalworking Fluids course offered jointly by STLE and the Society of Manufacturing Engineers (SME). The course is Nov. 1-3 at SME's headquarters in Dearborn, Mich., and you can register on site. For more information, go to [www.stle.org](http://www.stle.org) or [www.sme.org](http://www.sme.org).

For those who don't have time now, the course is re-offered March 26-29 during the 2006 WESTEC Exposition and Conference at the Los Angeles Convention Center. In addition, the course is repeated at the STLE Annual Meeting & Exposition in Calgary.

The Metalworking Fluid Management Certificate Course is the only MWF course with peer-reviewed (industry experts from two technical societies) content. It includes an in-depth treatment of metalworking fluids management, including a comprehensive look at the latest techniques and practices for optimizing performance, condition monitoring, waste management, health, safety and cost. You'll learn through case studies and other real-life situations.

Students who pass a test receive a certificate stating that they have successfully completed the course. However, this certificate is not to be confused with STLE's [Certified Metalworking Fluids Specialist® \(CMFS\) certification program](#). The CMFS certification is a more intensive study program that culminates in a three-hour, 150-question exam.

For more information, contact STLE director of professional development Bob Gresham at (317) 513-7095, [rgresham@stle.org](mailto:rgresham@stle.org).

#### **Caribbean Section sponsors essay contest, CM conference**

STLE's Caribbean Section was featured prominently in an article about STLE's global membership in *Forum*, the magazine for people who work for Chicago-based associations. Now the section is making some news of its own.

First, the section is sponsoring an essay contest on the topic, "The Benefits of Tribology and Lubrication Engineering in Plant, Systems and Equipment." Essays should be between 700 and 1,200 words, and deadline is Dec. 31. The winning essay will be published in TLT magazine. For more information and contest rules, [click here](#).

Also, the Caribbean Section, in collaboration with the engineering faculty of the University of the West Indies, presents a course on Condition Monitoring for Equipment Reliability March 6-8 at the Paria Suite Hotel in Claxton Bay, Trinidad.

The course includes all educational materials, a conference bag, breakfast and lunch, a polo shirt, a certificate with STLE continuing education credits and a one-year STLE membership.

For more information or to register, [click here](#).

**2005-2006 STLE Membership Directory available in mid-November**

**a petroleum product through 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.**

Visit our website at [www.stle.org](http://www.stle.org)

The 300-page directory, with contact information on STLE members, is due out in about two weeks and can be ordered for \$35 plus shipping and handling.

In addition to member data, the directory also features certification rosters for CLS, OMA and CMFS; administrative and technical committees; industry councils; corporate members; leadership and staff; local sections and a listing of the society's top programs and services.

To order a copy, contact STLE's Order Dept. at 847-825-5536.

### **CMF Plus makes November TLT biggest issue yet**

At 96 pages, the November issue of *Tribology & Lubrication Technology* magazine is STLE's biggest ever. The issue contains a 34-page special section titled *CMF Plus*, which features condensed, print versions of the top presentations made at the Commercial Marketing Forum, held during the 2005 STLE Annual Meeting & Exhibition in Las Vegas. Companies featured in *CMF Plus* include Afton, Arkema, ExxonMobil, Huntsman, IRDI, Lubrizol and Stepan.

The November TLT should hit your office or lab in about two weeks.

### **Raw materials shortage? STLE members say yes**

57% of TLT readers answered yes to the question, "Are you or your employer experiencing a shortage of raw materials, including finished lubricants, additives, chemicals and base stocks?" The survey was taken for Sounding Board, a monthly column in TLT where readers give their opinions on current industry issues.

Asked, "in which areas are you experiencing the greatest shortages," readers listed the following areas. Note that readers were allowed to check more than one answer, so the total does not equal 100%:

<b>Material</b>	<b>% experiencing shortage</b>
Finished Lubricants	59%
Additives	36%
Base stock	35%
Chemicals	14%
No shortages	28%

Readers also were asked to discuss the shortages and how they are coping. Among the answers:

- We are limiting sales volumes to some customers based on previous purchases.
- Raw materials on allocation cause longer lead times and slower deliveries of product.
- We are experiencing violent price increases that we cannot transfer to customers.
- Every task requires more coordination, explanation and alternative supply options be presented to the customer.

The Society of Tribologists and Lubrication Engineers

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