



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, one of 23 technical committees and industry councils and with an online networking Forum.

www.stle.org

Fact of the month

Automatic Transmission Fluids (ATF) are generally composed of 10-20 different additive components, equaling approximately 10-20% of the content. The remainder is generally formulated from a very high quality mineral or synthetic hydrocarbon base fluid.

February 2007

[Annual Meeting Information](#)

[Are you getting mail and email from your local section?](#)

[STLE welcomes new education partners](#)

[Why become certified? A salary survey shows value.](#)

[International Joint Tribology Conference](#)

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[Renew, Join or update your records](#)

Annual Meeting Information

Annual Meeting registration is now open. Join us on May 6-10, 2007 in Philadelphia, Pennsylvania. [See details here.](#)

- Annual Meeting Registration
 - Hotel registration
 - Schedule at a Glance
 - Education Courses
 - 400 Technical Papers
 - Authors Index
 - Trade Show & Sponsorships
 - Keynote Speaker & Local Section Leadership Workshop
 - Special Events
 - Philadelphia Facts
 - Facts, Policies & Essential Information
-

Are you getting your local section mail and email?

Some sections have education courses, monthly meetings, social events and golf outings. Do you hear about these events in your area? Are you listed in the section you prefer?

[Here is a list of sections.](#) If you want to make a change to your records, you may call 847-825-5536 or send an email to GWightman@stle.org or go to the membership application form on the website and put the preferred section in the comments section at the end. [Here is the link to the form.](#)

Please be aware that some sections have more scheduled activities than other sections.

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STLE now has four education partners

There are now 2 more education partners to expand your knowledge and help you prepare for CLS or OMA certification exams.

Try online courses at your convenience with Chevron's LubricantUniversity.com or K2M. Both programs offer a wide range of practical lubrication courses for the working professional.

If you prefer a classroom setting, take a live course from Polaris Labs or Condition

This is from page 2-1 of the Handbook of Lubrication and Tribology.

Viscosity is one of the most important physical properties of a lubricant and is a key parameter in the function of the transmission hydraulic system. Viscosity is a measure of a fluid's resistance to flow. The basic unit of absolute viscosity is the Pascal second (Pa sec) or the force required, in dynes, to move a surface one square centimeter in area past a parallel surface at a speed of one centimeter per second, the surfaces being separated by a fluid film one centimeter thick.

This is from page 2-2 of the Handbook of Lubrication and Tribology.

These two facts are taken from the Handbook of Lubrication and Tribology Volume 1: Application and Maintenance, Second Edition edited by George E. Totten, Ph.D., FASM, Portland State University, Oregon, USA 2006. This 1,068 page hard cover book is an invaluable resource for lubrication professionals. The book is available for \$250, or at a member price of \$225. You may call 847-825-5536 or email info@stle.org or order online at the [STLE Publication Center](#)

Save the dates:

2007 Joint Tribology Conference
cosponsored with ASME
October 22-24, 2007
Marriott San Diego Mission
Valley Hotel
San Diego, California

2008 STLE Annual Meeting
May 18-22, 2008
Cleveland Convention Center
Cleveland Ohio

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Monitoring International. These courses can be part of the preparation for OMA certification.

[Follow the Education & Training link on the STLE website](#)



Why become certified?

The 2006 Salary Survey in the November 2006 issue of Lubes 'N Greases magazine (p. 18) demonstrates the value of CLS certification. The survey shows that CLS-certified sales and marketing managers working for lube manufacturers make \$6000 more than their non-certified counterparts. The gap widens considerably for those working for oil distributors.



International Joint Tribology Conference

The deadline for submission of extended abstracts is March 15, 2007. The conference is Oct 22-24, 2007 at the Marriott Mission Valley in San Diego California. This premier event for breakthrough technical presentations is already shaping up to be a dynamic conference. This is the place to learn about cutting-edge research in the multidisciplinary field of tribology. The Society of Tribologists and Lubrication Engineers (STLE) and the Tribology Division of ASME International are cosponsors of this prestigious event.

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TECH BEAT

An ExxonMobil researcher develops new friction modifier; new diesel exhaust system is urea-free; machining titanium more efficiently.
By Dr. Neil Canter

The skinny on gas-to-liquids

Natural gas is a rich source of environmentally friendly fluids. But producers must obtain the right mix of processes that take advantage of economies of scale.
By Dr. Robert M. Gresham

FEATURE ARTICLE

The lubricity of fuels

For some fuel injection systems, fuel is the only source of lubrication. But delivering the right product with the appropriate injection system remains an ongoing problem.
By Maurice Le Pera

PEER-REVIEWED PAPER (Editor's Choice)

By John E. McConnell, Albert E. Segall and Tim J. Eden

2006 STLE Combined Subject and Author Index

Your reference guide to technical papers published last year in tribology's leading-edge journal, Tribology Transactions.

Around the Industry: This month's newsmakers include Chemtura, Cargill, BP and more.

Industry Calendar

Sounding Board: Readers discuss improvements in plant lubrication practices.

New Products: High-temperature corrosive-resistant mechanical seals; air filter/water vapor removal breathers; prelubricated sealed linear ball bearings.

Advertisers Index

Test Your Knowledge: What is not considered to be an antimisting additive?

President's Report: Technology equals new products.

From the Editor: Like pennies from heaven.

Shop Floor: Developing products requires teamwork.

Cutting Edge: The contact conundrum cracked?
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END

The Society of Tribologists and Lubrication Engineers

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