



## January 9, 2015 STLE Lunch Seminar

### Welcome to STLE Houston Chapter's 2014-2015 Lunch Seminar Series!

Our fourth technical seminar of the season will be held on **FRIDAY**, January 9, 2015, starting at 11 AM at Brady's Landing. **Adrian Messer**, Manager of US Operations of UE Systems will be presenting "**Condition Based Lubrication: Best Practices Using Ultrasound**". Please reserve the date!

#### **Abstract:**

Airborne and Structure-borne ultrasound has evolved into a technology that many would consider to be the cornerstone of an effective maintenance and reliability program. From compressed air & gas leak detection, electrical inspection, and various mechanical inspections, ultrasound is truly a versatile tool for anyone's PdM "toolbox." One application in particular, is to utilize the technology for condition based lubrication and to reduce lubrication related failures in rotating equipment.

The most common causes of bearing failures are related to lubrication. These failures happen because of either a lack of lubrication, or too much lubrication. Ultrasound assisted lubrication helps to take the guesswork out of how much lubricant to apply. Additionally, typical lubrication programs are based on timed intervals. With time based lubrication, the tendency is to over lubricate. Lubricant is applied at timed intervals whether the equipment needs to be greased or not.

This presentation will show how using structure-borne ultrasound, one can detect mechanical faults in rotating equipment and prevent failures due to either a lack of lubrication, or over lubrication. The benefits of less rotating equipment failures include less unscheduled downtime, reduced maintenance costs, and reduced motor repair costs. Information will also be presented on how airborne and structure-borne ultrasound is a perfect complement to other technologies such as vibration analysis and infrared thermography.

#### **Speaker:**

For more than a decade, Mr. Messer has been helping facilities around the country transform their reliability programs by implementing Ultrasound condition monitoring. As a subject matter expert on Ultrasound technology and implementation best practices, Mr. Messer has been a featured speaker at numerous industry events. He is a graduate of Clemson University and maintains close ties to the University assisting current students in a mentorship program. He is also a charter member of the Carolina's Chapter of the Society for Maintenance and Reliability Professionals (SMRP), and is currently serving on the National Marketing Committee for SMRP.

He enjoys boating on our area lakes, gardening, landscaping, and spending time with his wife and three year old daughter. Being a Clemson grad, he also really enjoys college football.

**Location :** [Brady's Landing Restaurant](#), 8505 Cypress Street, Houston, Texas 77012

**Schedule:**

11:00AM - 11:30AM: Arrival / Social

11:30AM - 12:00PM: Full Buffet Lunch

12:00PM - 1:00PM: Business Meeting and Technical Presentation

**Fees:**

Students \$10, Members \$30, Non-Members \$35

Cash/check only accepted at the door – or **pre-pay** by credit card until the Wednesday prior to the meeting using the Paypal link on our [Calendar webpage](#) (cash and checks only at the door)

The STLE Houston Section's Monthly meeting provides a platform to network, advance your knowledge, learn current trends in tribology, lubrication and related industries, share good food, and much more. Do not forget, there will be door prizes for the lucky winners of the day. Come early and network with your lubricant colleagues.

Click below for directions.

[Brady's Landing Restaurant Website](#)

**STLE Houston Section Calendar of Events (2014 - 2015)**

**Please note that Technical Meetings have been moved to **FRIDAYS****

December TBD, '14	Social Outing	Redneck Country Club, Stafford, TX
January 9, 2015	Lunch Seminar – <b>Adrian Messer</b> of UE Systems	Brady's Landing
February 13, 2015	Lunch Seminar – <b>Greg Livingstone</b> of Fluitec	Brady's Landing
March TBD, 2015	2015 Annual Lube School	TBD
April TBD, 2015	Annual Golf Outing	TBD
May 8, 2015	Lunch Seminar - TBD	Brady's Landing
May 17 – 21, 2015	STLE 2015 Annual Meeting & Exhibition	Omni Hotel Dallas, TX
September TBD, 2015	First Technical Meeting of the new season	Brady's Landing