

Machine Reliability Through Excellence Lubrication Practices

A World-Class Manufacturing Training Series to Fundamentally
Manage Equipment & Asset for Profits



One Day Course Workshop
Co-Sponsored with MTEC and
Thai Tribology Association (www.tta.com)

March 27, 2016 9.00-16.00 at Impact Muangthong Thani
Material Handling & Machinery Exhibition 2016



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Best practice of excellence lubrication to improve plant equipment and its reliability will lead company to a more profitable operation. Reliability management can be controlled by excellence lubrication practices which will improve company return on asset, thus lead to enhance shareholder value and earning from better corporate return on investments. This hidden cost occurs from the fact that 80% of equipment root cause failure comes from lubrication failure. Today business rules have changed. Corporate hidden profit can be obtained within the company by improving machinery productivity and cost savings. Every internal productivity cost savings is easier to access for profit than the profit that comes from sales revenue deducted the operating costs.

In This 1-Day Seminar, You'll Learn How To ...

- Basic lubrication course, understanding oil additives and its base oil properties.
- How to design lubrication program for plant machinery applications.
- Basic oil filtration technology & effective oil contamination control.
- How to establish used oil analysis program that solves machinery problems.
- How to read oil analysis and interpretation oil property analysis.
- An operating plan to reach the Zero Down Time operation with TPM (Total Productive Maintenance) that works for Thai culture.
- Root cause analysis and Proactive Preventative Oil Maintenance Program.
- A newly evolved TPR (Total Process Reliability) that is replacing TPM.

Why Attend This Training?

- Transform your business to become World-Class Manufacturing.
- Learn to discover the new hidden costs by improving
- Learn to become a Lubrication Excellence for your operation.

Who Should Attend?

- Lubrication engineer
- TPM manager
- Maintenance professionals
- Plant Managers
- Reliability Managers and Engineers
- Operation manager
- Production Manager and Directors
- Lubrication Sales Professionals

Machine Reliability Outline:

- How lubrication affect Machine Reliability
- Lubrication fundamental
- Used oil analysis and test result interpretation FT-IR Infra-Red scan, ICP etc.
- Oil Contamination Control
- Oil additive & base oil function for better lubrication.
- Secrets of successful TPM (Total Productive Maintenance) program
- Selecting lubrication for different machinery applications
- Financial benefits from achieving lubrication excellence
- Cost reductions in maintenance and operation
- Asset utilization
- Oil management system
- US Best practices of case studies in paper mills, petroleum plant, plastic injection molder
- Lessons learned from BP oil spill from Machine reliability & lubrication practices
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Meet Your

Vichai Srimongkolkul

President, OilPure Technologies, Inc.
Kansas City • Missouri • USA



In 2004, Vichai was selected by US government under Bush's administration to receive a study grant affiliating with Missouri Enterprise (www.missourienterprise.org) to become an Advanced Manufacturing Specialist from University of Missouri, Rolla school of Engineering. He became a certified specialist in **Black Belt Six Sigma**, **Lean Manufacturing**, **Supply Chain Management**, **Baldrige National Quality Program**, and **ISO 9001-2000 Certification**

During his last 30 years in America, he applies this knowledge to help American industries to improve productivity and adapt their manufacturing process into the 21st century world-class manufacturing. Example of his US clients are Ford Motor, Honda American Motor, Toyota USA, Inland Paper, International Paper, US Navy for nuclear submarine, Israel Electric Co., and etc. Some of his work becomes **Best Practice** and **Benchmarking** of the companies. He has written many technical articles for industrial magazines and lectures seminars in lubrication engineering and tribology, beside the area of World-Class Manufacturing, Total Productive Maintenance (TPM), Design of Experiments (DOE), Machine Reliability Center, industrial automation, Zero downtime operation, quality control in oil contamination as related to Statistical Process Control (SPC), and in-house oil recycling programs etc. In 2007, Vichai was invited by **Columbian government** in South America to work on the new development of biodiesel technology that can be appropriated for Columbia municipal government. In 1988, Vichai joined CLARCOR, Inc. (www.clarcor.com), a billion dollar in sales company, which located in Rockford, Illinois as general development manager in research & development in filtration. After the second year of his employment, he became one of the top **30 key executives** who helped manage CLARCOR business



BP Oil Spill at the Gulf

As part of supply chain for BP Oil with Veolia Environmental Services, Vichai from OilPure Technologies, Inc., helps establish the oil management to support Veolia's Robot Submarine hydraulic oil and recycle their lubrication in the vessel during the oil spill.

Vichai developed a new oil purification technology, **OilPure** process for American industries since 1988. Most of his US customers has extended their lubricant life and the same oil has been in service up to 10 years. These customers dramatically reduce the need to buy new replacement oil, reduce the cost of waste oil disposal and increase machine reliability performance. During his R&D development, he invented OilPure technology which was patented in 1992 under his name – **US patent no. 5,112,479**. OilPure Systems has won the **1989 Gold Award Product of the Year** from **Plant Engineering publication** during its development. During that time he becomes a member of ASTM technical committee, D-2 for lubrication and D-15 for engine coolant, who helps develop lubrication and coolant specifications.



Interested participant can **Call 094-698-8322** for reservation