



**EXPAND YOUR HORIZONS.
BE AHEAD OF OTHERS.**
A Practical Course in Lubrication
Excellence for the Lubrication End-User

LUBRICATION SPECIALIST INTENSIVE TRAINING

13 – 16 August (Mon – Thu), 2007
With Optional CLS Certification Exam
17 August (Friday), 2007
Singapore Marriott Hotel
Trainer: Raymond Thibault, LTC

In 2005, Metalux partnered Ray Thibault to launch the inaugural CLS class and certification exam for Malaysia. The following year, the class & exam were brought to Singapore where it enjoyed an excellent regional participation. This course is a rare opportunity for continuing professional development with comprehensive & complete content on practical lubrication imparted by an industry veteran and proven trainer who can effectively prepare you for the STLE's (Society of Tribologists and Lubrication Engineers) CLS (Certified Lubrication Specialist) exam.

**Registration Now Open! Seats are Limited.
Register Today to Reserve Your Seat!**



Clean Oil Solutions



Oil Analysis 

CBMxpress

Lubrication Maintenance Specialists

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LUBRICATION SPECIALIST INTENSIVE TRAINING

COURSE SYNOPSIS

Your lube decides whether you enjoy seamless uptime or fight a constant battle against unscheduled downtime and maintenance costs that always seem to run out of control. This encompasses everything you would need to know about lubricants, oil analysis and lubrication best practices to enable you to make the right lubrication decisions in the context of your work.

You will learn how to evaluate and select the correct lubricant to match required application. You will also learn how to identify, troubleshoot and solve lubrication related problems / failures, and implement a proactive / predictive maintenance programme incorporating lube oil analysis.

Come for the Lubrication Specialist Intensive Training and see how you can apply world best practices in lubrication excellence to minimise maintenance costs and maximise uptime to contribute substantially to your organisation's operating bottomline. Veteran lubrication consultant Raymond Thibault, CLS, will be leading this course. Seats are limited, please register early. If you know of someone who may benefit from this training, please pass this email on. We look forward to hosting you and / or your colleagues.

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WHO SHOULD ATTEND

An essential course for the lubricant end-user. Comprehensive content covered in this 4-day course is designed for practical relevance for:

- **MANAGERS, ENGINEERS & TECHNICIANS** involved in the lubrication maintenance & reliability of industrial machineries and mobile heavy equipment.
- Also beneficial for **TECHNICAL SERVICES SUPPORT / SALES ENGINEERS**.

WHY YOU SHOULD ATTEND

For companies

- Training of in-house staff to manage & improve lubrication issues and implement effective maintenance strategies.
- Reduce lubrication problems (e.g. reduce consumption) and operation problems (e.g. unscheduled downtime), understand oil analysis, learn to implement lubrication excellence.

For engineers

- Professional proof of competence & knowledge that is recognized in the lubrication industry
- Increased value to company and general employability

CLS CERTIFICATION EXAM

Take up the challenge to sit for the Certified Lubrication Specialist (CLS) certification exam conducted by the Society of Tribologists & Lubrication Engineers (STLE). Course structure and content designed to also act as a robust preparatory session for the CLS certification examination. Raymond Thibault will be leading this course.

WHAT PREVIOUS PARTICIPANTS HAD TO SAY

"An eye-opener to me, the speaker notes were easy to be related to my working environment".

Ahmad Bin Mortaza - Technical Services Engineer
PETRONAS Dagangan Bhd, Malaysia.

"It [is] good for person really involved in this lubrication subject."
Rusli Mohd Nasir - Workshop Supervisor
PETRONAS Penapisan Sdn Bhd, Malaysia.

"I have gained more lubrication best practice ideas from Ray's classes than from any other source."

Marc Vertin - Training Specialist
ChevronTexaco Global Lubricants, San Ramon, CA

"Ray's class is by far the most comprehensive, complete, and current lubrication training in the industry today."

Jeff McNabb - VP Sales and Marketing
H&W Petroleum Co. Inc., Houston, TX



LUBRICATION SPECIALIST INTENSIVE TRAINING

ABOUT THE TRAINER

Raymond Thibault is a lubrication consultant and trainer who retired in 2001 from Exxon after 31 years' of service. A Certified Lubrication Specialist (CLS) himself, Raymond is also certified Oil Monitoring Analyst (OMA) I & II. He has B.S. & M.S. degrees in Chemistry and an M.B.A. With Heinz Bloch, he developed the Lubrication for Profit Course, which is offered nationally in the USA.

Raymond is a veteran CLS trainer who has conducted over 30 CLS classes over the past 3 years for the public, as well as for industry leaders such as ChevronTexaco, ExxonMobil, ConocoPhillips, Citgo, Schaeffer's, and Ispat Inland.

Notably, Raymond's CLS classes have consistently maintained an exceptionally high pass rate, testimony in itself to the high quality of his classes.

Raymond also teaches a class on lubrication specifications at the annual STLE meeting and is also a contributing editor for Lubrication & Fluid Power magazine. He recently conducted a full day lubrication workshop at The International Maintenance Conference.

ABOUT THE CLS CERTIFICATION EXAM

CLS certification exam is an optional component; participants may elect to attend the 4-day Lubrication Specialist Intensive Course only but take the CLS exam at a future sitting.

Distinguish yourself from the rest by achieving STLE's professional development certification award "Certified Lubrication Specialist" (CLS), a highly respected and prestigious award granted only to recognised professionals in the field of lubrication. CLS certification confers upon you recognition amongst your peers and management that you are a qualified person possessed of the necessary competencies to make the right lubrication decisions.

Exam Registration Deadline: 06 July (otherwise very latest min. 6 weeks before exam date)

To achieve CLS certification, you must obtain min. 70% grade on 150 short answer questions within 3 hours. You must also have min. 3 years' working experience in the field of lubrication. The exam is open to the public (not restricted to course delegates) and will proceed subject to min. 6 confirmed candidates. Seats are awarded on a first-come-first-served basis, so do apply early. Interested persons must apply for candidacy with the STLE at least 6 weeks before the examination date. CLS exam registration fees are US\$295 (STLE member) or US\$400 (non-member). For candidates retaking the exam, fees are US\$150 (member) or US\$200 (non-member). Exam registration and payment are online at www.stle.org

Min. 6 confirmed candidates to proceed. Exam is optional. Open to public (not restricted to course participants). Seats awarded on a first-come-first-served basis.

ABOUT THE STLE

The Society of Tribologists & Lubrication Engineers (STLE) is the premier US-based technical society representing over 4,000 individuals and 150 companies and organizations comprised of leaders in the tribology and lubrication engineering business sector.

Members include distinguished technical experts from the world's leading corporations, academic institutions, and governmental agencies dealing in science & technology who share a common objective in making the Society's mission statement a reality: "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."

In 1994, the STLE developed the CLS certification procedure to recognise lubrication professionals. The CLS programme was developed to standardise the body of knowledge a lubrication specialist must possess and recognises those individuals who can demonstrate their expertise in critical areas of lubrication technology.

STLE International membership (Individual) is at USD115 (1-year); USD220 (2-years); and USD 310 (3-years). For details on membership benefits or to apply, please visit the official website at www.stle.org.



LUBRICATION SPECIALIST INTENSIVE TRAINING

COURSE MATERIALS

Substantive course materials will be provided in 2 stages - before and during the course. This is to enable participants to familiarize themselves with the Body of Knowledge (the topics to be covered) ahead of time such that maximum gain is obtained at the 4-day intensive course.

Two months ahead of course dates, you will receive the following (encourage participants to actually read ahead!):

- 120-page workbook covering all topics on the CLS exam;
- 300 practice CLS exam questions; and
- 63-page handbook of key definitions.

At the Lubrication Specialist Intensive Course, you will receive:

- a ring binder containing the full set of 750 powerpoint slides covered in the course; and
- 1,000 typical CLS exam questions.

TOPICS COVERED

(as specified in the CLS Body of Knowledge):

1. Lubrication Fundamentals
2. Bearings
3. Gears
4. Pneumatics
5. Transportation Lubrication
6. Fluid Power
7. Fluid Conditioning
8. Fluid Conductors
9. Fluid Analysis
10. Metalworking
11. Lubricant Manufacturing
12. Seals
13. Solvents & Cleaners
14. Lubrication Programs
15. Storage, Handling & Application

The value of a Certified Lubrication Specialist (CLS) certification

(extracted from www.stle.org)

Certification recognizes those individuals who possess current knowledge of lubrication fundamentals and theory. Since it began in 1994, the certification program standardizes the body of knowledge which a lubrication specialist must possess, and recognizes those individuals who can demonstrate their expertise in critical areas of lubrication technology. Experience is a key factor in STLE's certification programs.

A Lubrication Specialist is an individual who might be designated a "Lubrication Engineer" by his/her employer. The job description for a Lubrication Specialist includes but is not limited to the following:

- Evaluates and selects the proper lubricants to use. Recommends changes in lubricants.
- Assists in purchasing lubricants by identifying which companies and products can be used interchangeably in a cost-effective manner.
- Conducts lube surveys; specifies lubricants and procedures to those buying or installing new equipment.
- Trains lubricators and assembles work lists for them to use. Establishes lube frequencies on all equipment. Designs or modifies all types of lubricant dispensing systems.
- Develops and implements Quality Assurance and Used Lubricant analysis programs.
- Oversees oily waste collection, reclamation or disposal. Converts as much usage as is economical to bulk.
- Consolidates lubricant inventories to the fewest possible products.
- Maintains records of lubricants by application throughout the plant.
- Troubleshoots and problem solves supposed lubrication failures to identify root cause. Identifies corrective action to take and follows up.

LUBRICATION SPECIALIST INTENSIVE TRAINING

COURSE FEES

Deadlines	Malaysian Companies	Singapore + Other Countries
Regular Deadline: 08 June	RM 7,388	SGD 3,199
Early Bird Deadline: 11 May	RM 6,648	SGD 2,879
Group Deadline: 08 June	Min. 6 pax from same company & billing address. Please contact us for special group rates.	

CLARIFICATION TO COURSE FEES

Early Bird Discount (EBD)

Discount: 10% off regular course fees given to each named participant
Deadline: Registration & Payment by 11 May
NOTE: This discount is given in addition to the 3rd & Subsequent Participant Discount. Not applicable to Group Discounts.

3rd & Subsequent Participant

Discount: 10% off regular course fees given to 3rd & subsequent participant
Deadline: Registration & Payment by 08 June
NOTE: This discount is given in addition to the EBD; Not applicable to Group Discounts.

Group

Discount: 20% off regular course fees given to min. 6 pax from same company & billing address
Deadline: Registration & Payment by 08 June
NOTE: Group discount packages cannot be combined with any other discount schemes. Please contact us for special group rates.

PAYMENT METHODS

(i) By Cheque (available to Singapore Companies Only)

Payee: Metalux Molecular (S) PTE. LTD.

Fax to: +65.6756.8883

Mail Original To: 20 Woodlands Link #06-30
Woodlands East Industrial Estate
Singapore 738733
(Attn: Ms Adylene, Administrator)

(ii) By Bank Transfer (payment in SGD only)

Singapore Dollars

Bank: Overseas-Chinese Banking Corporation
Address: Blk 303, #01-159/161 Woodlands St 31
Singapore 730303

Swift Code: OCBCSGSG
Account Of: Metalux Molecular (S) Pte. Ltd.
Account No: 682-404033-001

ENQUIRIES

By Email: cbmXpress@metalux.com.sg

By Phone: +60.7.5566.168 (Metalux Malaysia Office)
+65.6759.8883 (Metalux Singapore Office)

ACCOMMODATION (SINGAPORE MARRIOTT HOTEL)

Singapore Marriott Hotel is a renowned landmark on the corner of Scotts Road and Orchard Road. Located in the heart of Singapore's business, shopping and entertainment hub, the 30-storey Hotel is directly above the Orchard Mass Rapid Transit (MRT) station. The Hotel provides 392 guests rooms including 6 Executive Floors and 19 Suites. All rooms are designed to fulfill every business traveller's needs, including a 24-hour Business Centre and a 24-hour Fitness Centre. In addition, the Singapore Marriott Hotel offers a full range of award-winning food and beverage outlets to suit your taste.

Participants are advised to book early in order to secure a room at venue. Accommodation at venue from SGD300.00 onwards, no special rate. Reservations and enquiries: (+65) 6831 4555.

Includes:

- attendance for single participant to the 4-day Lubrication Specialist Intensive Training
- tea breaks (2 x daily) and lunch (1 x daily) for duration of the 4-day course; and
- one complete set pre-course materials & course manual only

Excludes:

- CLS exam registration fees; and
- Participant's traveling & accommodation expenses.

Yes! I will be attending! (please tick where applicable)

- Please register me for the 4-day Lubrication Specialist Intensive Training on 13-16 August, 2007
- I also wish to take the STLE's CLS Certification Exam on 17 August 2007

CLS Certification Exam Registration Fee of US\$295 (STLE Member) or US\$400 (Non-Member) is not included in the 4-day Lubrication Specialist Intensive Training fees. For candidates retaking the exam, fees are US\$150 (STLE Member) or US\$200 (Non-Member). Candidacy application and payment must be submitted by 06 July 2007 latest to the STLE through their official website www.stle.org. Exam will proceed subject to min. 6 confirmed candidates. While the 4-day Lubrication Specialist Intensive Training itself acts as an exam preparatory session for the CLS, it does not guarantee that the participant will pass the exam. Interested candidates are strongly encouraged to read all materials provided prior to the training to familiarise themselves with the examinable Body of Knowledge.

Company details

Organisation Name: _____

Industry: _____

Address: _____

Postal Code: _____ State: _____ Country: _____

Tel: _____ Fax: _____

Email: _____ Web: _____

Authorisation (Signatory must be authorised to sign on behalf of contracting organisation)

Signature & Date _____

Name: _____ Job Title: _____

Dept: _____ Email: _____

DID: _____ Fax: _____

Preferred Payment Mode (please tick)

Cheque* Bank Transfer** Request Invoice***

*Cheque payment mode available to Singapore-based companies only. Please address cheque to "Metalux Molecular (S) Pte Ltd".

** Malaysian Companies & Others, please remit payment by Bank Transfer. All Bank charges to be borne by customer. Please contact us for bank remittance details.

***You will receive a proforma invoice, and upon payment, a separate tax invoice receipt.

Training Fees per delegate	Malaysia	Singapore & Other Countries
Regular (registration & payment by 08 June 2007)	RM7,388	SGD3,199
Early Bird (10% Discount) (registration & payment by 11 May 2007)	RM6,648	SGD2,879
Group	Please contact us for special group rates	

a Quoted fees apply as follows: Singapore (SGD); Malaysia (RM) & Others (USD)
 b Training Fee includes tea breaks and lunches for duration of training course, one complete set course materials; it does not include CLS exam fees, travel nor hotel accommodation.

Delegate Details (photocopy for additional)

TOTAL PAX _____

3rd and subsequent delegates from the same company and billing address enjoy an additional 10% discount.

(1) Name: _____
 Job Title: _____
 Dept: _____
 Email: _____
 DID: _____
 Mobile: _____

(2) Name: _____
 Job Title: _____
 Dept: _____
 Email: _____
 DID: _____
 Mobile: _____

(3) Name: _____
 Job Title: _____
 Dept: _____
 Email: _____
 DID: _____
 Mobile: _____

PAYMENT POLICY: Payment is due in full at the time of registration. Full payment is mandatory for event attendance.

CANCELLATIONS & SUBSTITUTIONS: You may substitute delegates at any time. Metalux does not provide refunds for cancellations. In the event that Metalux cancels an event, delegate payments at the date of cancellation will be credited to a future Metalux event. This credit will be available for up to one year from the date of issuance. In the event that Metalux postpones an event, delegate payments at the postponement date will be credited towards the rescheduled date. This credit will be available for up to one year from the date of issuance. No refunds will be available for cancellations or postponements.

Metalux is not responsible for any loss or damage as a result of a substitution, alteration or cancellation/postponement of an event. Metalux shall assume no liability whatsoever should this event be cancelled, rescheduled or postponed due to a fortuitous event, Act of God, unforeseen occurrence or any other event that renders performance of this workshop impracticable or impossible. For purposes of this clause, a fortuitous event shall include, but not be limited to: war, fire, labor strike, extreme weather or other emergency.

PROGRAM CHANGE POLICY: Please note that speakers and topics were confirmed at the time of publishing, however, circumstances beyond the control of the organizers may necessitate substitutions, alterations or cancellations of the speakers and/or topics. As such, Metalux reserves the right to alter or modify the advertised speakers and/or topics if necessary. Any substitutions or alterations will be updated to all registered participants via email and other means as soon as possible.

YOUR DETAILS: Please email our Administrator at cbmXpress@metalux.com.sg and inform them of any incorrect details which will be amended accordingly.

DATA PROTECTION: Personal data is gathered in accordance with the Data Protection Act 1984. Your data may be passed to other companies who wish to communicate with you offers related to your business activities. If you do not wish to receive these offers, please tick the box below.

Please do not pass my information to any third party.

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