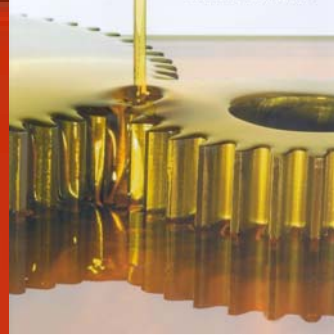




Lubrication Strategy

Understanding Tribology and the Importance of Oil Contamination Control

September 16 to 17, 2012,
El Cielito Hotel, Sta. Rosa, Laguna



Who Should Benefit from this:

- Reliability and Maintenance People
- Lubrication Technicians and Engineers
- Maintenance Craftsman and Millright
- Maintenance and Operation Managers
- Facilities and Utilities Managers
- Preventive Maintenance Group
- Production and Operations Manager
- Reliability Engineers and Managers
- Continuous Improvement Groups
- Oil Analysts and Tribology Group
- Oil Laboratory Analyst
- Failure Analysis Team
- Management and Decision Makers

About the Resource Speaker:

Rolly, is a seasoned international reliability & maintenance consultant with 23 yrs of solid experience in the field. He had been invited in different countries and have conducted reliability and maintenance trainings in UAE, India, Malaysia Indonesia, Nigeria and Bangladesh. His portfolio of maintenance trainings include Maintenance Management courses on TPM, Lubrication, Tribology, CBM, RCM, RCFA, Planned Maintenance, World Class Maintenance Management, The 12 Disciplines, Oil Contamination Control, Maintenance KPI, Maintenance Management System and much more. Rolly is currently working as an independent reliability & maintenance consultant. He had released his first book on World-Class Maintenance Management - The 12 Disciplines a book that makes every maintenance feel proud that they belong to the maintenance function.

What to Expect on This Training

- **LEARN WHY** every industry need to adopt an oil contamination control program in their plant and know what does contamination do to your equipment.
- **LEARN HOW** oil is being contaminated and If there is a way we can remove contamination in our lubrication and hydraulic systems
- **UNDERSTAND** that there a direct relationship between contamination and the rate of wear and how can we save 82% of wear in our equipment.
- **DISCOVER** if Oil Additives "As Seen On TV" really do their trick or not ?
- **UNDERSTAND** why do I keep adding oil in my equipment, what is the best test to determine this ?
- **DISCOVER** the Truth about your oil filters if they are truly doing its job or not of removing contaminants.
- **LEARN THE TRUTH** about Extended Oil Drain Interval, is it a myth or fact ?
- **DISCOVER** why doing Time-based maintenance on changing oil is a thing of the past for World Class industries and learn what do they use ?
- **UNDERSTAND** wthe different levels of Oil Analysis and learn which is the most important and sensitive test on oil and why
- **LEARN** the step by step activities on how to start a Lubrication Strategy in your plant and learn simple strategies how to reduce your lubrication costs and more

Topics on both Oil Analysis and Contamination Control very well covered. The speaker has a very sound knowledge and experience on the topics discussed. The discussion is lively, venue is good and the time was well managed. I am glad to know that we have this kind of training locally. Overall quality of seminar is comparable to the seminar on Oil Analysis training I've attended abroad & offered by foreign consultants such as Noria Corporation. This is one approach that every maintenance must know. From Al Silva Assistant PdM Engineer, Team Energy Corporation, Sual

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049-837-07-64



rollyangeles@rsareliability.com
marievic_angeles@rsareliability.com



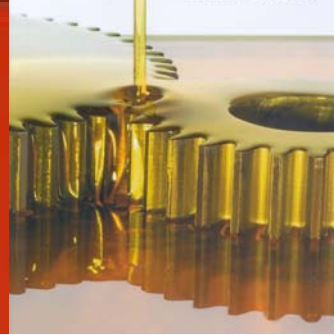
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In this training we will expose the myths and secrets about lubrication that oil industries do not want you to know

LUB Course Overview:

- This course covers a wealth of information on the need to implement lubrication strategy in your plant. Learn why world class companies are adopting oil analysis and what are its benefits. It is with our best intention to share with you our information and resources on proven best practices on lubrication and oil contamination control which can be easily adopted by your industry

LUB Training Objective :

- Provide basic knowledge on proper lubrication basics and the importance of contamination control.
- Convince ourselves to adopt an lubrication strategy in our industry.
- Generate a plantwide awareness on how oil is being contaminated, what contamination does and the need to analyze its contaminants.
- To have an full depth understanding on the benefits we can reap on how to reduce breakdown due to failures attributed by lubrication failure and how to improve the reliability of our assets
- Learn how oil is being contaminated and how we can control and reduce oil contamination in our assets and equipment.
- Learn proven best maintenance strategies and practices on lubrication and oil analysis
- Understand the 3 levels of Oil Analysis and learn the most important Oil Analysis Tests

More Testimonies About Lubrication

- Detailed and systematic explanation of the importance and strategies. Exposure to different oil analysis tests and equipment used in the process. Exposure to terminologies in lubrication. Excellent presentation, detailed explanation and lively. **From Rajesh B.K. Sr. Engineer, Maintenance**
- Got an in-depth knowledge about wear, importance of oil analysis and strategies to start a lubrication analysis program. Your PowerPoint slides are excellent. You are so open that you shared all your power slides with the participants, really appreciable. **From Ninan C.S. Chief Manager, Maintenance.**
- Additional knowledge from lubrication oil can increase the profit of the company by avoiding unwanted breakdown of the equipment. **From Sreedharan N. Utility Engineer**
- Detailed and systematic explanation of the importance and strategies. Exposure to different oil analysis tests and equipment used for the process. Exposure to terminologies in lubrication. Excellent presentation, detailed explanation and lively. **From Rajesh B.K. Engineer**

LUB Training Package :

- **Morning / Afternoon meals and Lunch**
- **Exercises and quizzes on Lubrication**
- **Selected articles on Lubrication**
- **Complete CD Materials on Lubrication**
- **Lubrication Course Handbook**
- **Certificate of Attendance**
- **World Class Maintenance Book**
- **Case studies on Lubrication**
- **To be covered also, basics of grease**

The seminar is relevant to the company and worth attending to. The seminar is an eye opening to a neglected aspect of maintenance practices and that is Lube Oil Analysis parallel with contamination control. The resource speaker has full knowledge of the subject matter and an intense conviction to transfer to the participants this knowledge. From, Efen C. Cruz, Chemical Engineer, Alstom Philippines

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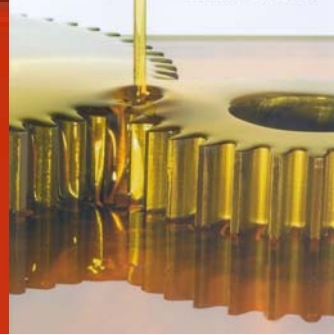


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LUB Day 1

- 0800 - 0830 - Coffee and Registration
- 0830 - 0835 - Introduction by the speaker
- 0835 - 0900 - Participants introduce themselves
- 0900 - 0930 - Take Lubrication IQ Quiz
- 0930 - 1030 - **Module 1 : All There Is to Know About Oil**
 - Definition of oil
 - SAE and API Standards
 - Purpose and Properties of Oil
- 1000 - 1015 - **Morning Break / Meal**
- 1030 - 1200 - **Module 2 : Basics of Grease**
 - Definition and Anatomy of Grease
 - Function of Grease
 - Common Types of Grease
 - Application of Grease
- 1200 - 1300 - **Lunch**
- 1300 - 1400 - **Module 3 : Understanding Oil Contamination**
 - What cause oil breakdown ?
 - How oil gets contaminated ?
 - Effects and sources of water on oil
- 1400 - 1530 - **Module 4 : Total Oil Contamination Awareness**
 - Contamination Control Awareness
 - Proper storage rooms for oil
- 1530 - 1545 - **Afternoon Break**
- 1545 - 1700 - **Module 5 : Understanding Filtration**
 - Nominal and Absolute Filtration
 - Function of a Filter
 - Efficiency Rating of Filters
 - Beta Rating of Filters
 - By-pass Filtration for Engines
- 1700 - End of Day 1

LUB Day 2

- 0745 - 0815 - Coffee
- 0815 - 1000 - **Module 6 : Understanding Mechanical Failures**
 - Different types of wear
- 1000 - 1015 - **Morning Break / Meal**
- 1000 - 1200 - **Module 7 : Different Oil Analysis Test**
 - Checking oil's health and cleanliness
 - ISO Rating on fluid cleanliness
 - Exercise on ISO Cleanliness Code
 - Particle Counter and ISO Codes
 - Oils Physical and Chemical Properties
 - Checking Oil for Moisture
 - TAN and TBN Test
 - Viscosity test for Oil
- 1200 - 1300 - **Lunch**
- 1300 - 1400 - Continuation of Module 7
 - Additives as seen on TV
 - Understanding Tribology
 - Wear Metal Debris Analysis
 - Spectroanalysis and Ferrography
- 1400 - 1500 - Exercise on lubrication
- 1500 - 1515 - Afternoon Break
- 1515 - 1630 - **Module 8 : Step by Step Approach on Lubrication Strategy In Your Plant**
 - Step by step approach on Adopting An Oil Analysis Strategy
 - Basic Tips on Oil Analysis
 - Justifying an Oil Analysis program
 - Step by step approach on adopting a Lubrication Strategy in your plant
- 1630 - 1700 - Take Final Quiz on Lubrication
 - Awarding of Certificates
- **Closing Remarks**
- 1700 - End of Seminar

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Training Investment Costs:

- 1 Delegate: Php 16,500.00 + 12% VAT
- 2 Delegates: Php 32,000.00 + 12% VAT
- 3 Delegates: Php 46,500.00 + 12% VAT
- 4 Delegates: Php 62,000.00 + 12% VAT
- 5 Delegates: Php 75,000.00 + 12% VAT

• WCM book is available only through RSA Reliability and Maintenance Consultancy Firm only.

Payment Procedure and Policy:

- Payment can only be accepted through cash or check basis. For payments in check kindly Pay to RSA Reliability and Maintenance Consultancy Firm. Kindly complete the name of the firm on the check.
- An Official Receipt will be provided after issuance of complete payment for this event.
- Payment should be done during registration, kindly advise the delegates to carry with them the payment for this training. To avoid future problems on our part. No payment, No entry policy would be enforced on this seminar workshop.
- 2% tax will be deducted provided industry joining the event to provide BIR form 2307 together with the payment

How To Register for this Event:

Step 1: Send us an email on the following:

- Full Name of Delegates: (FN, MI, LN)
- Position or Designation / Department
- Name of Industry
- Type of Industry
- How is payment to be made Cash or Check

Step 2: Once we have confirmed the names of those you will send, we will provide a confirmation email.

Cancellation, Postponement Policy

- For delegates who will not complete the duration of the training seminar and workshop, RSA Reliability and Maintenance Consultancy Firm will offer no refunds regarding this matter, certificates of attendance will only be provided to those delegates that will complete the three day seminar and workshop
- In the event that the seminar will be cancelled as a result of unforeseen events such as Acts of God or other uncontrolled reasons, RSA Reliability and Maintenance Consultancy Firm shall assume no liability whatsoever in the event this seminar and workshop be cancelled, postponed, move or rescheduled due to this fortuitous and unforeseen event.
- In case of a low turn out of delegates for this event, RSA Reliability and Maintenance Consultancy Firm reserves the right to cancel the event. An email will be sent to concerned parties regarding the cancellation.
- In the event you would like to cancel your participation in this seminar, kindly send us an email one week before the event is due. If you have made an advance payment and your delegates did not attend and have not informed us one week before the event, you will be charged with the full amount of the training fee.
- In case the delegate register for this event will not make it on this event, kindly notify us be email the changes in the name of the delegates.

100% Money Back Guarantee



- If for any reasons you were not happy or satisfied with the outcome of the training. Our small firm offers you **Unconditional 100% Payment Back** and you keep the WCM Book and all the materials provided during the training provided payment had been received during the registration period.

If applied, will create a high impact on cost savings due to extended oil drain intervals only when needed with the application of these strategies to control oil contamination supported by an oil analysis strategy. This seminar is timely since this will improve our cash flow due to the refund we are giving to customers. This seminar will contribute to clean air act and comply with DENR's effluent test since oil wastes are reduce and handling is manageable. I recommend this seminar to transport operators and drivers. From Roy Anthony, Pedroso, Analyst, Fleet Maintenance, Meralco