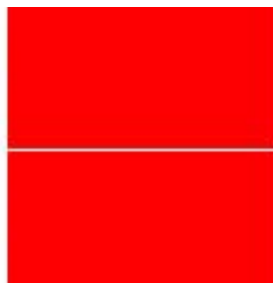



**SEMINAR TITLE : Implementing Lubrication Strategy (Tribology) - Understanding The Importance of Oil Contamination Control**

Reasons why you need to attend this course, **learn . . . . .**

***NO OTHER COURSE AVAILABLE CAN GIVE YOU THIS WEALTH OF INFORMATION***

- Why every industry need to adopt an oil contamination control program in their plant and know what does contamination do ?
- Learn how oil is being contaminated and If we can remove contamination in our lubrication/hydraulic system ?
- Is there a direct relationship between contamination and the rate of wear and how can we save 82% of wear in our engine ?
- Learn Auto and Oil Industries best kept secrets finally revealed
- Why do I keep adding oil in my equipment, what is the best test to determine this ?
- What Oil Analysis test is right for your plant ?
- What you should know about your oil filters ?
- How to select oil filters that will truly do its job ?
- Does Oil Additives “As Seen On TV” really do their trick or not ?
- Extended Oil Drain Interval, is it a myth or fact ?
- Why doing Time-based maintenance on changing oil is a thing of the past for World Class Companies and what do they use ?
- Step by step activities on starting a Lubrication Strategy in your plant
- Learn why your plant’s lubrication cost is high
- 6 Strategies on how to reduce lubrication cost in your plant !
- Learn the different types of wear and many more . . . . .





## **SEMINAR TITLE : Implementing Lubrication Strategy (Tribology) - Understanding The Importance of Oil Contamination Control**

### **Brief 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, their benefits and what it can do to your plant
- One of the problems most industries are facing is that we always end up being reactive despite our best efforts on Preventive Mtce, frequent and unexpected failures/breakdowns always results to high cost of maintenance due to lack of an effective maintenance strategy. It is with our best intention to share with you our information and resources which can be adopted in your company
- It is the intention of this course to share the information and experience on Contamination] Control and its benefits to plant production and maintenance people



illuminate

the possibilities...

**w/ Lubrication Strategy**

### **Course Objective**

- Provide basic knowledge on proper lubrication and contamination control
- Convince ourselves to adopt an "Oil Analysis" program in our plant
- Generate a plantwide awareness on how oil is being contaminated and the need to analyze its contaminants
- To have an understanding on the benefits we can reap on having an in-house Oil Analysis & how we can save on cost
- Learn how we can control and reduce oil contamination in our equipment
- Learn the strategies on how to reduce lubrication cost and failures attributed to lubrication



**OIL ANALYSIS REPORT**

**SEVERE SEVERE CRITICAL**



## **SEMINAR TITLE : Implementing Lubrication Strategy (Tribology) - Understanding The Importance of Oil Contamination Control**

### **Program Proper**

#### **DAY 1**

- 0745 - 0815 - Coffee and Registration  
0815 - 0825 - Welcome and Introduction of resource speaker  
0830 - 0900 - Participants introduce themselves  
0900 - 0930 - Take Oil Analysis IQ Quiz  
0930 - 1030 - **Module 1 : All There Is To Know About Oil**  
- Definition of oil  
- SAE and API Standards  
- Purpose of Oil  
- Properties of Oil  
1000 - 1015 - **Morning Break / Meal**  
1030 - 1200 - **Module 2 : Understanding Oil Contamination**  
- What cause oil breakdown ?  
- How Engine Oil gets contaminated ?  
- Understanding how contamination occurs in our system  
- Effects of water contamination  
- Sources of water contamination  
- Experts say on contamination  
1200 - 1300 - **Lunch**  
1300 - 1400 - **Module 3 : Total Oil Contamination Awareness**  
- Current attitude on oil  
- Contamination Awareness  
- Proper storage rooms for oil  
1400 - 1500 - **Module 4 : The Importance of Oil Analysis**  
- What is Oil Analysis ?  
- How does oil analysis works ?  
1500 - 1515 - **Afternoon Break / Meal**  
1500 - 1700 - **Module 5 : Understanding Mechanical Failures**  
- Types of wear  
- Can wear be controlled  
- Why Mechanical Components fail ?  
1700 - End of Day 1

#### **DAY 2**

- 0745 - 0815 - Coffee  
0815 - 1000 - **Module 6 : Understanding Filtration**  
- Nominal and Absolute Filtration  
- Function of a Filter  
- Beta Rating of Filters  
- By-pass Filtration for Engines  
1000 - 1015 - **Morning Break / Meal**  
10:00 - 1200 - **Module 8 : Different Oil Analysis Test**  
- Checking oil's health & cleanliness  
- ISO Rating on fluid cleanliness  
- Exercise on ISO Cleanliness Code  
- Oils Physical & Chemical Properties  
12:00 - 1300 - **Lunch Break**  
13:00 - 14:00 - Continuation of Module 8  
- **Additives as seen on TV**  
- Understanding Tribology  
- Wear Metal Debris Analysis  
1400 - 1500 - Exercise on How To Read ISO Cleanliness Code  
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  
- Tips on Oil Analysis  
- Justifying Oil Analysis program  
1630 - 1700 - Take Final Quiz on Lubrication  
- **Summary and Closing**  
1700 - End of Seminar

