



Lubrication Strategy

TRIBOLOGY

**Understanding The Importance
of An Oil Contamination Control**



2003 All Rights Reserve



LUBRICATION STRATEGY - CONTAMINATION CONTROL COURSE

WHAT THIS COURSE HAS TO OFFER ?

- Why every industry need to adopt an oil contamination control in their plant and know what does contamination do ?
- If we can remove contamination in our lubrication/hydraulic system ?
- Auto and Oil Industries best kept secrets finally revealed
- What every Filipinos should know about synthetic oil ?
- The difference between petroleum (mineral) and synthetic oil and why market of synthetic oil in the Philippines is low ?
- Why do I keep adding oil in my equipment, what is the best test to determine this ?
- How can we save 82% of wear in our engine ?
- How to select filters that will truly do its job ?
- **Does Oil Additives, Duralube, STP, etc "As Seen On TV" really do their trick or not ?**
- **Extended Oil Drain Interval or NO OIL CHANGE, is it a myth or fact ?**
- Strategies on how to reduce lubrication cost in your plant !





LUBRICATION STRATEGY - CONTAMINATION CONTROL COURSE

OBJECTIVE OF THIS COURSE :

- Provide basic knowledge on proper lubrication and contamination control
- Understand the importance of Oil Contamination in our equipment's
- Generate an awareness on our people how oil is being contaminated and the need to analyze it's contaminants
- Have an understanding on the benefits we can reap on implementing a lubrication strategy in our plant & most especially on how we can save on cost
- Learn how we can control or reduce oil contamination in our equipments
- Learn step by step approach on how to start an "OIL ANALYSIS" program





LUBRICATION STRATEGY COURSE MODULES :

Day
1

Introduction

Module 1 : All There Is To Know About Oil

- Definition of oil
- SAE and API Standards
- Purpose of oil
- Properties of oil

Module 2 : Understanding Oil Contamination

- How does oil gets contaminated
- How to reduce oil contamination
- Contamination Awareness Control
- Effects of Water Contamination
- Sources of Water Contamination

Module 3 : Total Contamination Control

- Contamination Awareness Control
- Proper storage rooms for lube oil

Module 4 : Understanding Filtration

- Nominal and Absolute Filtration
- Beta Rating of Filters
- By-pass filtration for engines

Day
2

Module 5 : Understanding Wear

- Why mechanical components fail ?
- Understanding different types of wear

Module 6 : Importance of Oil Analysis

- What is Oil analysis ?
- How does an oil analysis work ?
- What causes a motor oil breakdown

Module 7 : Different Oil Analysis Test

- Test for Oil's Health & Cleanliness
- Test for fluid condition & contamination
- Wear Metal / Debris Analysis

Module 8 : How To Start A Lubrication Strategy in Your Plant

- Step by step approach in setting up an oil analysis program in your plant
- Basic tips on oil analysis

Closing Remarks