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LUBE OIL SYSTEMS - MAINTENANCE & TROUBLESHOOTING

Start Date:	19/10/2026	**End Date:**	23/10/2026
Categories:	Engineering & Maintenan	**Venues:**	Hamburg
Formats:	In Person	**Instructors:**	

OVERVIEW

This course provides critical training in the operation, inspection, and troubleshooting of lubrication oil systems used in rotating equipment. Participants will explore oil characteristics, contamination control, filtration systems, and maintenance planning for efficient and safe machinery performance.

OBJECTIVES

By the end of this course, participants will be able to: – Understand components and functions of lube oil systems. – Select and apply the right lubricants based on application needs. – Conduct oil sampling and contamination analysis. – Troubleshoot common oil system problems and inefficiencies. – Implement proactive maintenance schedules for oil system reliability.

COURSE OUTLINE

1- Overview of Lubrication Oil Systems 2- Oil Properties, Additives, and Specifications 3- Oil Sampling and Contamination Control 4- Filtration Systems and Component Maintenance 5- Troubleshooting and Predictive Techniques

TARGET AUDIENCE

All Supervisory Levels, Plant maintenance engineers, lubrication technicians, rotating machinery operators, and mechanical supervisors.

METHODOLOGY

Live demonstrations, oil testing exercises, filtration unit review, group troubleshooting challenges.

CONCLUSION

Participants will gain the confidence to manage, maintain, and troubleshoot lubrication systems that are vital to equipment longevity.

DAILY AGENDA

Day 1: Lube Oil Systems Overview

Identify system components and understand lubrication circuits and flow patterns.

Day 2: Oil Chemistry and Selection

Study oil viscosity, additives, base stocks, and selection for critical equipment.

Day 3: Sampling and Analysis

Conduct tests for contamination, oxidation, wear particles, and oil degradation.

Day 4: System Maintenance & Filtration

Inspect pumps, filters, heaters, and reservoir cleanliness protocols.

Day 5: Failure Modes and Troubleshooting

Troubleshoot oil leaks, high temperatures, foaming, and pressure imbalances.

For more information, please contact us:
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