

Oil Analysis Series

The Oil Analysis series was designed to provide customers with the necessary knowledge and practical skills to derive maximum benefit from their oil analysis programmes.

Taught by experienced industry professionals, the courses focus on lubrication fundamentals, selection of lubricants, lubricant storage and handling, sampling, test methods, interpreting results and managing the data to ensure effective maintenance action.

Oil Analysis Level I

Fundamentals of Lubrication and Oil Analysis

Course Contents:

- Maintenance Philosophies and Strategies
- The Fundamentals of Lubrication
- The Functions of a Lubricant
- The Basics of Base Stocks & Additives
- Lubricant Applications, Formulations, Specifications
- Lubricant Storage and Handling
- The Oil Analysis Process
- Sampling Methods (lubricant, diesel and coolant)
- The Importance of the Submission Form
- Laboratory Test Methods (including diesel and coolant analyses)
- Understanding the Sample Reports

Oil Analysis Level II

Oil Analysis Interpretation

Course Contents:

- Pro-action and the benefits of Clean, Cool and Dry Lubricants.
- Understanding the Scope and Limitations of each Test Method
- Interpreting the Oil Analyses Data;
 - Lubricant Condition
 - Identifying and Controlling Contamination
 - Wear and Identifying Common Failure Modes
- Case Studies

Oil Analysis Level III

Oil Analysis Management

Course Contents:

- The Role of Oil Analyses in Maintenance Strategies
- The Oil Analysis Process - Targeting Root Causes
- Setting Oil Analysis Limits
- Trending Key Performance Indicators
- Avoiding Common Pit Falls
- Using Historical Data and Statistics to drive Maintenance Best Practices