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COURSE BROCHURE

Level II Machinery Lubrication Technician Training Course

3 – 7 October 2027
Cairo

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Registered in the United Kingdom and Saudi Arabia

Level II Machinery Lubrication Technician Training Course

Ref: 1682_61656 **Date:** 3 – 7 October 2027 **Location:** Cairo **Fees:** 4000 GBP

Level II Machinery Lubrication Technician is a 1-week training course for experienced lubrication and maintenance technicians who run oil and grease routes, ending with a Lubrication Route and Contamination Control Plan for one asset area. Lubricant-related failures remain a leading cause of avoidable bearing, gearbox and hydraulic breakdowns. Jupiter Prime Training delivers this Level II Machinery Lubrication Technician course.

Why Level II Machinery Lubrication Technician Matters Now

Three pressures are reshaping the lube technician's job. Plants are moving from calendar-based top-ups to condition-based relubrication, so technicians must read oil reports instead of simply following a chart. Hydraulic and gear systems now run tighter clearances that tolerate far less dirt and water. Experienced oilers are retiring, and their undocumented routes leave with them. Sites that handle these well extend drain intervals; others mix incompatible products and overgrease motors. The course builds on recognised practice for oil sampling, particle cleanliness codes and lubricant storage.

Who Gains Most from Level II Machinery Lubrication Technician

- Technicians who run daily oil and grease routes across pumps, fans and gearboxes
- Craftspeople who take oil samples and act on the laboratory report
- Stores and lube-room staff responsible for receiving, storing and dispensing lubricants
- Hydraulic and mobile plant fitters who top up, flush and filter systems
- Senior oilers moving into a lead role on a lubrication crew

A crew whose route technicians and lube-room staff attend together gains most, so receiving, storage and application follow one routine.

Level II Machinery Lubrication Technician Capabilities

The outcomes cover what happens between the drum and the bearing: clean handling, correct quantity and honest samples.

- Calculate grease quantity and relubrication interval for rolling bearings — route sheet revision
- Apply correct sampling port location and bottle handling for representative samples — oil analysis laboratory
- Assess particle count, water and viscosity results against alarm limits — maintenance planner
- Specify breathers, filters and sealed containers for a lube room — stores supervisor
- Build a lubrication route with tagged points and colour-coded products — maintenance supervisor
- Communicate lubrication findings in clear work requests — reliability engineer

Key Level II Machinery Lubrication Technician Terms

- Relubrication Interval — the time between grease or oil additions, set by speed, temperature and load.
- Particle Cleanliness Code — a coded count of solid particles per millilitre of oil.
- Desiccant Breather — a vent fitting that removes moisture and dirt from air drawn into a reservoir or gearbox.
- Live-Zone Sampling — drawing oil from a turbulent, circulating point so the sample reflects the system condition.
- Lube Point Tag — a coloured label at each application point naming the product and quantity.
- Product Compatibility — whether two lubricants can mix without thickening, separating or losing protective properties.

Level II Machinery Lubrication Technician Day by Day

Day 1: The Lube Technician's Role in Reliability

- Lubrication-Related Failure Patterns — Linking Bearing and Gear Damage to Lube Practice
- Lube Survey Walkdown — Recording Every Point, Method and Access Issue
- Lubricant Identification and Colour Coding — Preventing Product Mix-Ups on Site
- Product Compatibility Checks — Deciding When a Changeover Needs Flushing
- Lube Technician Safety Practice — Handling Hot, Pressurised and Rotating Points

Day 2: Grease and Oil Application Practice

- Grease Quantity Calculation — Setting Shots per Bearing on the Route Sheet
- Electric Motor Bearing Greasing — Avoiding Overfill and Winding Contamination
- Oil Level, Sight Glass and Constant-Level Oilers — Confirming Correct Fill
- Single-Point and Centralised Lubricators — Choosing Automatic Delivery for Remote Points
- Ultrasonic-Assisted Greasing — Stopping When Friction Noise Drops

Day 3: Contamination Control in the Field

- Lube Room Layout and Storage — Keeping Drums Dry, Sealed and Rotated
- Filter Carts and Kidney-Loop Filtration — Cleaning New Oil Before Use
- Desiccant Breathers and Sealed Containers — Blocking Moisture at Every Transfer
- Particle Cleanliness Targets — Setting Limits for Hydraulic and Gear Systems
- Water Ingress Detection — Spotting Haze, Emulsion and Free Water Early

Day 4: Oil Sampling and Reading Reports

- Sampling Port Selection and Live-Zone Sampling — Getting Representative Results
- Sample Bottle Cleanliness and Labelling — Protecting Laboratory Accuracy
- Viscosity, Water and Particle Count Results — Deciding Change, Filter or Watch
- Wear Metal Trends — Raising Early Work Requests for Bearings and Gears
- Alarm Limits and Trend Charts — Prioritising Points for Corrective Action

Day 5: Practising the Lubrication Route and Contamination Control Plan

- Route Sheet Rebuild — Applying Grease Calculations to a Pump House Case
- Lube Room Audit — Scoring Storage and Dispensing Against a Checklist
- Oil Report Case Review — Writing Work Requests From Sample Results
- Lube Point Tagging Scheme — Labelling a Gearbox and Hydraulic Unit
- Lubrication Route and Contamination Control Plan — Completing the Asset Area Submission

Applying Level II Machinery Lubrication Technician After the Course

- Recalculate grease quantities for the ten most critical motor bearings and update the route sheet with tagged points.
- Audit the lube room against the storage checklist and fit breathers and sealed transfer containers where gaps appear.

Level II Machinery Lubrication Technician Questions FAQ

What is Level II Machinery Lubrication Technician training and why does it matter now?

It is field-level training in applying, storing and sampling lubricants correctly. It matters now because tighter machine clearances, condition-based relubrication and retiring oilers all demand technicians who control contamination and read oil reports.

Which roles gain most from Level II Machinery Lubrication Technician training?

Route technicians, lube-room staff and fitters who handle oil and grease daily gain most. Senior oilers stepping into crew lead roles benefit too.

How does Level II Machinery Lubrication Technician training differ from a tribology or lubricant selection course?

It concentrates on hands-on application, storage and sampling rather than wear science or product chemistry. Tribology and lubricant selection courses suit engineers choosing oils and greases; this course suits technicians who apply them on the route.

What do you bring back from Level II Machinery Lubrication Technician training?

You bring back a route and contamination control plan for one asset area. It holds recalculated grease quantities, tagged lube points, a lube-room checklist and sampling points.

Level II Machinery Lubrication Technician: The Way Forward

The Lubrication Route and Contamination Control Plan first informs the next route revision, where the lead technician uses it to reset quantities, intervals and sampling points. Stores staff and planners read it alongside oil reports. After three months, revisit cleanliness targets and greasing intervals, since sample trends usually show which points need tighter control.