

Onshore Site Lifting Supervisor

Course: 3 Day

3 Day

Theory and Practical

Lesson Plan

Day 1	
Content 0830 – 1000	Approximate Duration
Introduction & Registration	15 minutes
Course registration form F001	
Course Aim, Objectives & Content	15 minutes
Management of Lifting Operations	15 minutes
Types of Cranes	15 minutes
Stability & Mechanical Principles	30 minutes
Break	15 minutes
Content 1015 – 1200	Approximate Duration
Line Pull & Line Speed	15 minutes
Travelling & Access	15 minutes
Ground Conditions & Loadings	75 minutes
Confirming Questions	
Lunch	1 hour
Content 1300 – 1500	Approximate Duration
Mobile Cranes for Land Operations Movie	15 minutes
Site and Environmental Hazards	45 minutes
Wheels, Tracks & Outriggers	15 minutes
Crane Structure & Booms / Jibs	15 minutes
Limiting & Indicating Devices	30 minutes
Break	15 mins
Content 1515 – 1700	Approximate Duration
Load Charts / Range Diagrams	45 minutes
Confirming Questions & Load Chart	
Load Chart Questionnaire F002	45 minutes
Feedback	15 minutes

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Day 2	
Content 0830 – 1000	Approximate Duration
Introduction	15 minutes
Day 1 Confirming Questionnaire F003	10 minutes
Questionnaire Feedback	20 minutes
Hoists, Slew Ring & Sheaves	15 minutes
Wire Ropes & Terminations	30 minutes
Break	15 minutes
Content 1015 – 1200	Approximate Duration
Spooling and Reeving	15 minutes
Headache Balls & Sheave Blocks	15 minutes
Controls, Gauges & Crane Motions	15 minutes
Initial, Pre-Start Up & Pre-Operational Checks	30 minutes
Principles of Operation	30 minutes
Lunch	1 hour
Content 1300 – 1530	Approximate Duration
Practical Crane Demonstration / Exercise	150 minutes
Mobile Crane Visual Inspection Checklist F004	
Break	15 minutes
Content 1545 – 1700	Approximate Duration
Maintenance Refuelling	15 minutes
Periodic Inspection & Testing	30 minutes
Record Keeping	15 minutes
Feedback	15 minutes

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Day 3	
Content 0830 – 1000	Approximate Duration
Introduction	5 minutes
Day 2 Confirming Questionnaire F005	15 minutes
Questionnaire Feedback	15 minutes
Man-Riding Operations	15 minutes
Static & Dynamic Lifts	15 minutes
Tandem Lifts	15 minutes
Acronyms, Definitions & Crane Terminology	15 minutes
Break	15 minutes
Content 1015 – 1200	Approximate Duration
Previous Incidents, Causes & Lessons Learned	30 minutes
Roles and Responsibilities (Crane Operator, Banksman & Slings)	15 minutes
Communications (Hand Signals & Two-Way Radios)	15 minutes
Lifting planning (Company specific)	45 minutes
Lifting Plan - Routine Lifting Operation (company specific)	
Lifting Plan - Non-Routine Lifting Operation (company specific)	
Lunch	1 hour
Content 1300 – 1500	Approximate Duration
Lift planning Exercise	30 minutes
Lifting Plan - Routine Lifting Operation (company specific)	
Mobile Crane On-site Pre-use Checklist (company specific)	
Practical Crane Exercises	90 minutes
Break	15 mins

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Content 1515 – 1700	Approximate Duration
Practical Crane Exercises	30 minutes
Delegate Practical Assessment	
Written Questionnaire F013	60 minutes
Delegate Assessment Summary	
Feedback	15 minutes