

# Principles and Practice of Rigging

This course is designed to teach maintenance staff to rig overhead lifting equipment safely – this is where the crane cannot be sited directly over the load.

## COURSE OBJECTIVES

On completion of the course the delegates will know:

- Their statutory duties under the Health and Safety at Work Act 1974
- Lifting Operations Lifting Equipment Regulations (LOLER)
- The equipment identification, terminology and user inspection
- The safety aspects relating to the usage of the equipment
- Safe rigging procedures taking into account the weight of the load, centre of gravity and the anchorage points

## COURSE CONTENT

### STATUTORY REQUIREMENTS

- The Health and Safety at Work Act 1974
- Section 2 General Duties of Employers
- Sections 7 and 8 General Duties of Employees
- Powers of the Inspectorate
- Lifting Operations Lifting Equipment Regulations (LOLER)
- Lifting Equipment Engineers Association - Code of Practice (LEEA)

### INTRODUCTION TO SLINGING

- Types of slings available
- Correct use of slings

### METHODS OF SLINGING

- Choice of equipment to suit SWL
- Angles of lifts
- Configuration of slings
- Weight assessment
- Centre of gravity
- Load packaging

### METHODS OF RIGGING (EQUIPMENT)

- Slings - nylon, wire rope and chain
- Chain blocks, tirlors, pull lifts, shackles, eyebolts, jacks, skates, pinch bars

### PRINCIPLES OF LOAD TURNING

- Choice of equipment to suit SWL
- Methods of attaching slings
- Position of the bight
- Two point lifting and turning

### PRACTICAL RIGGING

- Planning the lift
- Inspection of the load to be lifted
- Establishing weight and centre of gravity
- Selection of method and equipment
- Safe route planning
- Load lifting and movement
- Job completion procedure

### COURSE REVIEW

- The role of the rigger
- Duties and responsibilities
- Safe systems of work

<b>Duration</b>	3/5 days dependent upon equipment to be used.
<b>Who?</b>	New Operators
<b>Number of delegates</b>	Maximum 6
<b>Requirements</b>	18 years + Medically fit Room for theory work & access to cranes/hoists, tackle & loads for practical work, which should be same or of similar nature to delegates' day-to-day work.

