



Industrial Counter Balanced Forklift



NPORS CODE N001

Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used
- Be able to locate and identify the major components of the machine and explain their functions
- Be able to locate and identify steering, driving and braking controls and explain their functions
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements
- Safely mount and dismount the machine
- Start and stop the engine and safely move the machine off and stop it safely
- Configure the machine for travel and manoeuvre it safely laden and unladen, in open and confined areas
- Conduct all necessary safety checks at the work area
- Manoeuvre the machine to the work area and correctly configure in readiness to carry out lifting and load handling tasks
- Carry out lifting and load handling tasks
- Lift and transfer loads accurately and safely at different locations
- Load and unload external transport safely
- Fit, adjust and or remove attachments
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation
- Carry out all end of shift and shut down procedures.

For more information contact us on **07525 598028** or constructionacademy@pearson.com
Learn more at www.pearsonTQconstruction.com



Rough Terrain Lift Truck

NPORS CODE N009



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used
- Be able to locate and identify the major components of the machine and explain their functions
- Be able to locate and identify steering, driving and braking controls and explain their functions
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements
- Safely mount and dismount the machine
- Start and stop the engine and safely move the machine off and stop it safely
- Configure the machine for travel and manoeuvre it safely laden and unladen, over varying terrain, rough ground, inclines, in open and confined areas
- Conduct all necessary safety checks at the work area
- Manoeuvre the machine to the work area and correctly configure in readiness to carry out lifting and load handling tasks
- Carry out lifting and load handling tasks
- Lift and transfer loads accurately and safely at different locations
- Load and unload external transport safely
- Fit, adjust and or remove attachments
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation
- Carry out all end of shift and shut down procedures.

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Telescopic Handler

NPORS CODE N010



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used and other relevant sources of information
- Be able to locate and identify the major components of the machine and explain their functions
- Be able to locate and identify steering, driving and braking controls and explain their functions
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements
- Safely mount and dismount the machine
- Start and stop the engine and safely move the machine off and stop it safely
- Configure the machine for travel and manoeuvre it safely laden and unladen, over varying terrain, rough ground, inclines, in open and confined areas
- Conduct all necessary safety checks at the work area
- Manoeuvre the machine to the work area and correctly configure in readiness to carry out lifting and load handling tasks
- Carry out lifting and load handling tasks
- Lift and transfer loads accurately and safely at different locations
- Load and unload external transport safely
- Fit, adjust and or remove attachments
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation
- Carry out all end of shift and shut down procedures.

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Excavator as Crane

NPORS CODE N100



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Be able to conform to manufacturers requirements as per technical data, conform to relevant regulations and legislation.
- Be able to locate, identify and explain Safe Working Loads, Lifting capacity chart and explain different lifting configurations and working ranges.
- Identify and explain different lifting procedures, explain what task could fall into each category.
- Identify and explain centres of gravity and calculate estimated weights of loads.
- Identify any overhead / proximity hazards.
- Be able to agree the signal codes / hand signals, direction of movement, safe working and safe landing, placement zone with the Slinger / Signaller.
- Ensure Excavator is in a safe condition for attachments to be fitted
- Checked load integrity and security by carrying out trial lift.
- Be able to lift and move a load to a designated position in a safe and controlled manner, ensuring minimum uncontrolled movement.
- Environmental considerations.
- Carry out all out of service and securing procedures.

*Please note that these course objectives have been developed on the premise that the suspended loads will be slung by a dedicated, qualified, competent and authorised slinger/signaller. Where on occasion the excavator operator may be required to sling the loads they are to transport they too must be qualified, competent and authorised slinger/signallers.

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Mobile Crane

NPORS CODE N101



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify key controls and explain their functions.
- Set up exclusion zone
- Identify and maintain PPE appropriate for mobile crane use
- Conduct all pre-operational and running checks in accordance with manufacturer's and legislative requirements.
- Prepare the mobile crane for use and operate machine safely and efficiently
- Environmental considerations.
- Carry out all end of work and shut down procedures.

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Overhead Crane

NPORS CODE N104



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify key controls and explain their functions
- Set up exclusion zone
- Identify and maintain PPE appropriate for overhead crane use
- Conduct all pre-operational and running checks in accordance with manufacturer's and legislative requirements.
- Prepare the overhead crane for use and operate machine safely and efficiently
- Environmental considerations.
- Carry out all end of work and shut down procedures.

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Lorry Loader

NPORS CODE N107



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator
- Have a working knowledge of the manufacturer's handbook and other sources of information, regulations and legislation applicable to the particular machine to be used
- Be able to locate and identify the major components of the vehicle and loader crane and explain their functions
- Be able to locate and identify all operating controls and explain their functions
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements
- Configure the vehicle and loader crane ready for travel
- Configure the machine for travel and manoeuvre it safely across varying terrain in open and confined areas
- Conduct all necessary safety checks at the work area
- Manoeuvre the machine to the work area and correctly configure in readiness to carry out lifting duties
- Correctly deploy the stabilisers according to stated manufacturer's specifications
- Comply with all requirements for rated capacity indicators or load moment indicators
- Identify weights and centres of gravity of loads to be used
- Carry out lifting operations using the full capabilities of the loader crane
- Position loads accurately at designated locations including onto and from the vehicle
- Identify, fit and remove various attachments and lifting accessories as appropriate
- Minimise load swing and ensure load security on the vehicle
- Carry out all end of shift and shut down procedures.

For more information contact us on **07525 598028** or constructionacademy@pearson.com
Learn more at www.pearsontqconstruction.com



MEWP Boom

NPORS CODE N108



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used, and be familiar with other types of information sources and relevant legislation
- Be able to locate and identify the major components of the machine and explain their functions
- Be able to locate and identify steering, driving and braking controls and explain their functions
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements
- Check all emergency lowering functions
- Safely mount and dismount the machine
- Configure the machine for travel
- Configure the machine for travel and manoeuvre it safely on level / rough ground and inclines in open and confined areas
- Conduct all necessary safety checks at the work area, including overhead and underground hazards
- Manoeuvre the machine to the work area and correctly configure in readiness to carry out accessing tasks
- Carry out accessing tasks, at various points up to full operating height
- Travel with platform raised (where applicable)
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation
- Carry out all end of shift and shut down procedures.

For more information contact us on **07525 598028** or constructionacademy@pearson.com
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MEWP Scissor

NPORS CODE N109



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used, and be familiar with other types of information sources and relevant legislation
- Be able to locate and identify the major components of the machine and explain their functions
- Be able to locate and identify steering, driving and braking controls and explain their functions
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements
- Check all emergency lowering functions
- Safely mount and dismount the machine
- Configure the machine for travel
- Configure the machine for travel and manoeuvre it safely on level ground and inclines in open and confined areas
- Conduct all necessary safety checks at the work area, including overhead and underground hazards
- Manoeuvre the machine to the work area and correctly configure in readiness to carry out accessing tasks
- Carry out accessing tasks, at various points up to full operating height
- Travel with platform raised (where applicable)
- Use platform extension section
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation
- Carry out all end of shift and shut down procedures

For more information contact us on **07525 598028** or constructionacademy@pearson.com
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Plant Loader Securer

NPORS CODE N120



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operative in the industry
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used and relevant legislation
- Be able to identify different types of transport, explain their purpose, the major components, basic construction, controls and terminology
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements
- Conduct all necessary safety checks at the loading, unloading area
- Ensure that the transporter is correctly configured in readiness for loading and unloading
- Explain hazards that may exist in the work area and how to avoid them, e.g. underground services, overhead power lines etc.
- Agree a method of communication and use it
- Load or direct items of plant onto and off transporting vehicle
- Arrange and secure items of plant on transport vehicle ready for transport on the public highway
- Carry out all end of shift and shut down procedures.

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Plant Mover Non-Operational Duties



NPORS CODE N132

Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify key controls and explain their functions.
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements.
- Identify and maintain PPE appropriate for Plant Mover use.
- Prepare machinery for use and operate machinery safely and efficiently.
- Conduct all necessary safety checks at the work area.
- Environmental considerations.
- Storage and transport of machinery attachments.
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation.
- Carry out all end of shift and shut down procedures.

For more information contact us on **07525 598028** or constructionacademy@pearson.com
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Plant Machinery Marshaller

NPORS CODE N133



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry and the relevant legislation, the dangers of working in the industry and their responsibilities as a Vehicle / Plant Machinery Marshal
- Have knowledge of the manufacturer's handbook for the particular vehicle / machine to be guided
- Have a good understanding of signs and signals, approved hand signals and different forms of communication
- Identify and maintain PPE appropriate for Vehicle / Plant Machinery Marshal
- Conduct all necessary safety checks at the work area including Stop Blocks and Tipping areas
- Set up Exclusion zone for loading / unloading
- Guide machinery in a forward and reverse direction including confined spaces and "blind areas" safely and efficiently.
- Environmental considerations
- Carry out all end of shift and shut down and parking procedures.

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Telescopic Handler – Suspended Loads



NPORS CODE N138

Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Be able to conform to manufacturers requirements as per technical data, conform to relevant regulations and legislation.
- Be able to locate, identify and explain Safe Working loads, Lifting capacity chart and explain how the manufacturer may reduce the lifting capacity when moving a suspended load, different lifting configurations and working ranges
- Identify and explain different lifting procedures, explain what task could fall into each category.
- Identify and explain centres of gravity and calculate estimated weights of loads.
- Identify any overhead / proximity hazards.
- Be able to agree the signal codes / hand signals, direction of movement, safe working and safe landing placement zone with the Slinger / Signaller.
- Ensure Telescopic Handler is in a safe condition and attachments fitted correctly
- Checked load integrity and security.
- Be able to lift and move a load to a designated position in a safe and controlled manner, ensuring minimum uncontrolled movement.
- Environmental considerations.
- Carry out all out of service and securing procedures.

For more information contact us on **07525 598028** or constructionacademy@pearson.com
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Mini Forward Tipping Dumper

NPORS CODE N139



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify key controls and explain their functions.
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements.
- Identify and maintain PPE appropriate for Forward Tipping Mini Dumper use.
- Conduct all necessary safety checks at the work area.
- Prepare the Forward Tipping Mini Dumper for use and operate safely and efficiently
- Attachments set correctly ready for operation
- Environmental considerations.
- Storage and transport of Forward Tipping Mini Dumper / implements / attachments.
- Carry out all end of shift and shut down procedures.

For more information contact us on **07525 598028** or constructionacademy@pearson.com
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Excavator 180°

NPORS CODE N201



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify key controls and explain their functions.
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements.
- Identify and maintain PPE appropriate for excavator 180° use.
- Prepare excavator 180° for use
- Conduct all necessary safety checks at the work area.
- Operate machinery Safely and Efficiently
- Environmental considerations.
- Storage and transport of Excavator 180° attachments.
- Carry out all end of shift and shut down procedures.

For more information contact us on **07525 598028** or constructionacademy@pearson.com
Learn more at www.pearsontqconstruction.com



Excavator 360°

NPORS CODE N202



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify steering, driving and braking controls and explain their functions.
- Identify and maintain PPE appropriate for Excavator use.
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements.
- Safely mount and dismount the machine.
- Start and stop the engine and safely move the machine off and stop it safely.
- Configure the machine for travel and manoeuvre it safely across varying terrain in open and confined areas.
- Conduct all necessary safety checks at the work area.
- Manoeuvre the machine to the work area and correctly configure in readiness to carry out excavating tasks.
- Carry out excavating tasks
- Load material onto transporting vehicles or into containers.
- Reinstatement excavation, grade and level ground
- Fit and remove attachments.
- Carry out all end of shift and shut down procedures.

For more information contact us on **07525 598028** or constructionacademy@pearson.com
Learn more at www.pearsonTQconstruction.com



Forward Tipping Dumper

NPORS CODE N204



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify key controls and explain their functions.
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements.
- Identify and maintain PPE appropriate for forward tipping dumper use.
- Prepare the forward tipping dumper for use and operate safely and efficiently
- Conduct all necessary safety checks at the work area.
- Attach and set trailers, ready for operation
- Environmental considerations.
- Storage and transport of implements and attachments
- Carry out all end of shift and shut down procedures.

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Rear Tipping Dumper

NPORS CODE N205



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify key controls and explain their functions.
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements.
- Identify and maintain PPE appropriate for rear tipping dumper use.
- Conduct all necessary safety checks at the work area.
- Prepare the rear tipping dumper for use & operate machinery safely and efficiently.
- Environmental considerations
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation
- Carry out all end of shift and shut down procedures.

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Screeener

NPORS CODE N208



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify how to use the attached remote control.
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements.
- Identify and maintain PPE appropriate to the Screeener.
- Safely mount and dismount the Screeener.
- Start and stop the engine, belts, feeder, and screens safely.
- Configure the machine for travel and manoeuvre it safely across varying terrain.
- Conduct all necessary safety checks at the work area.
- Explain different types of Screeeners, their advantages and dis-advantages of using, how they segregate the desired material
- Communicate with loading operator establishing agreed signs, desired product size and production speed
- Carry out an emergency stop / safety precautions
- Carry out Screening tasks
- Demonstrate knowledge and understanding of loading and unloading procedures for Screeener transportation.
- Environmental considerations
- Carry out all end of shift and shut down procedures.

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Loading Shovel

NPORS CODE N209



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify key controls and explain their functions.
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements.
- Identify and maintain PPE appropriate for loading shovel use.
- Conduct all necessary safety checks at the work area.
- Prepare the loading shovel for use, operate machinery safely and efficiently.
- Environmental considerations.
- Storage and transport of implements and attachments
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation.
- Carry out all end of shift and shut down procedures.

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Skid Steer Loader

NPORS CODE N212



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify key controls and explain their functions.
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements.
- Identify and maintain PPE appropriate for skid steer loader use.
- Conduct all necessary safety checks at the work area.
- Prepare the skid steer loader for use, operate machinery safely and efficiently.
- Environmental considerations.
- Storage and transport of implements and attachments
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation.
- Carry out all end of shift and shut down procedures.

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Road Roller

NPORS CODE N214



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify key controls and explain their functions.
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements.
- Identify and maintain PPE appropriate for Roller use.
- Prepare the Roller for use and operate machinery safely and efficiently.
- Conduct all necessary safety checks at the work area.
- Operate machinery safely and efficiently
- Environmental considerations.
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation
- Carry out all end of shift and shut down procedures.

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Dozer

NPORS CODE N215



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify key controls and explain their functions.
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements.
- Identify and maintain PPE appropriate for dozer use.
- Conduct all necessary safety checks at the work area.
- Prepare the dozer for use, operate machinery safely and efficiently
- Attach and set trailed, mounted attachments ready for work.
- Environmental considerations.
- Storage and transport of implements and attachments
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation
- Carry out all end of shift and shut down procedures.

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Chipper

NPORS CODE N244



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator.
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used.
- Be able to locate and identify the major components of the machine and explain their functions.
- Be able to locate and identify steering, driving and braking controls and explain their functions.
- Identify and maintain PPE appropriate for Chipper Spreader use.
- Conduct all pre-operational and running checks in accordance with manufacturer's and legislative requirements.
- Safely mount and dismount the machine.
- Configure the machine for travel and manoeuvre it safely across varying terrain in open and confined areas.
- Conduct all necessary safety checks at the work area.
- Manoeuvre the machine to the work area and correctly configure in readiness to carry out chipper spreader tasks.
- Carry out Chipper Spreader tasks
- Receive material from transporting vehicles.
- Demonstrate knowledge and understanding of loading, unloading and towing procedures for machine transportation.
- Environmental Considerations.
- Carry out all end of shift and shut down procedures.

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Appointed Person

NPORS CODE N401



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as an Appointed Person
- Explain the duties and responsibilities of: Crane/Lift Supervisor, Crane operator, Slinger/Signaller, Crane erector and Maintenance personnel.
- Demonstrate and explain how to interpret and extract information on all relevant documentation including legislation, regulations, codes of practice that relate to all lifting operations and duties.
- Explain and identify the different requirements to be followed for the lifting of persons, a basic lift, standard lift, complex lift and additional requirements for lifting from height.
- Explain the notification process and the requirements for reporting procedures to Authorities, Utility bodies, and any other parties if affected by the lifting operation.
- Identify different types of Cranes, their capabilities and limitations for lifting,
- Explain the maintenance, inspection, thorough examination and testing requirements for lifting equipment and all accessories.
- Explain setting up, erection, levelling and dismantling requirements for diverse types of lifting equipment and lifts.
- Explain and demonstrate how to calculate point loadings and outrigger loadings, spreader mat types and sizes.
- Explain the function and use of the RCI, LMI and anti-collision systems and utilise the information provided.
- Demonstrate and explain the selection of the correct cranes for specified lifts including all accessories, ensuring correct duties charts, range diagrams and specification sheets.
- List and explain relevant information relating to different types of lifting accessories and explain their applications.

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- Explain and demonstrate different slinging techniques, calculating sling sizes and angles, balanced and unbalanced, centres of gravity and loose loads etc.
- Identify weights and centres of gravity for various types of loads, and specify appropriate lifting accessories for various types of load.
- Demonstrate and illustrate different types of communication methods for lifting purposes and state
- Explain the importance of completing a reflective report on a lifting operation.
- Identify and demonstrate how to and plan an area with exclusion zones for diverse lifting operations identifying any proximity/underground hazards from supplied plans and drawings.
- Identify and plan an area with exclusion zones for diverse lifting operations identifying safe access and egress before, during and after any lifting operation.
- Explain and identify the requirements for safe site access and egress for different types of lifting equipment.
- Demonstrate how to construct a safe system of work by producing risk assessments, method statements and lift plans with information supplied.
- Prepare and explain lift plan information to all personnel involved in lifting operations.
- Specify and explain positioning of the crane and load, identifying limiting factors and immovable obstructions that must be considered.
- Identify and explain how environmental factors outside the lift zone but within the surrounding area can effect planned lifting operations and the possible outcomes.

For more information contact us on **07525 598028** or **constructionacademy@pearson.com**
 Learn more at **www.pearsonconstruction.com**





Slinger and Signaler

NPORS CODE N402



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a Slinger / Signaller
- Be able to conform to manufacturers requirements as per technical data, conform to relevant regulations and legislation.
- Be able to locate, identify and explain different types of lifting equipment and lifting accessories. Explain their basic construction, uses, applications and their functions
- Be able to interpret and extract information on all relevant documentation
- Undertake all pre-use checks on non-specialist lifting accessories and identify non-serviceable items
- Explain procedures for placing non-serviceable items out-of-service
- Identify and explain centres of gravity and calculate estimated weights of loads
- Set up exclusion zone explaining actions required for emergency actions, identifying any overhead hazards
- Identify and maintain PPE appropriate for Slinger / Signaller use
- Secure various types of loads to a hook using the relevant lifting accessories and procedures ensuring load balance, security and integrity
- Direct and guide the movement of loads to different types of location using different methods of communication
- Environmental considerations
- Carry out all out of service and securing procedures.

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Vehicle Marshaller

NPORS CODE N403



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry and the relevant legislation, the dangers of working in the industry and their responsibilities as a vehicle marshaller
- Have knowledge of the manufacturer's handbook for the particular vehicle / machine to be guided
- Have a good understanding of signs and signals, approved hand signals and different forms of communication
- Identify and maintain PPE appropriate for vehicle marshal duties
- Conduct all necessary safety checks at the work area including stop blocks and tipping areas
- Set up exclusion zone for unloading
- Guide machinery in a forward and reverse direction including confined spaces and "blind areas" safely and efficiently
- Environmental considerations
- Carry out all end of shift and shut down and parking procedures.

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Crane Lift Supervisor

NPORS CODE N405



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a Crane / Lift Supervisor
- Explain the importance of locating and identifying different types of lifting equipment and lifting accessories. Explain their basic construction, uses, applications and functions
- Demonstrate how to interpret and extract information on all relevant documentation
- Explain and demonstrate diverse types of communication methods used for lifting purposes
- Explain procedures for placing non-serviceable items out-of-service
- Explain the function and use of the RCIs and Anti-Collision systems and use the information provided
- Explain setting up, erection, levelling and dismantling requirements for diverse types of lifting equipment and lifts
- Set up exclusion Zone explaining actions required for emergency actions and identify overhead hazards
- Identify potential hazards and unsafe lifting practices using different lifting scenarios
- Explain the importance of checking the security of various types of loads and lifting accessories, explain the procedures ensuring load balance and integrity
- Supervise the movement of loads to different types of locations using different methods of communication
- Explain all Environmental considerations and explain how factors such as the external area to the lift zone can affect the planning of the lifting operation
- Carry out all out of service and securing procedures.

For more information contact us on **07525 598028** or constructionacademy@pearson.com
Learn more at www.pearsonTQconstruction.com



Materials Re-Handler 360^o

NPORS CODE N722



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities as a plant operator
- Have a working knowledge of the manufacturer's handbook for the particular machine to be used
- Be able to locate and identify the major components of the machine and explain their functions
- Be able to locate and identify steering, driving and braking controls and explain their functions
- Conduct all pre-operational checks in accordance with manufacturer's and legislative requirements
- Safely mount and dismount the machine
- Start and stop the engine and safely move the machine off and stop it safely.
- Configure the machine for travel and manoeuvre it safely across varying terrain in open and confined areas
- Conduct all necessary safety checks at the work area
- Manoeuvre the machine to the work area and correctly configure in readiness to carry out processing tasks
- Carry out processing task
- Load material onto transporting vehicles, containers or processing plant
- Fit and remove attachments.
- Demonstrate knowledge and understanding of loading and unloading procedures for machine transportation
- Carry out all end of shift and shut down procedures

For more information contact us on **07525 598028** or constructionacademy@pearson.com
Learn more at www.pearson-tq-construction.com



Harness and Fall Arrest

NPORS CODE N723



Course programme

It is envisaged that by the end of this course of training the learner will be able to answer questions on and perform the following:

- Have a basic understanding of the industry, the dangers of working in the industry and their responsibilities.
- Have a working knowledge of the manufacturer's handbook for the particular Harness / Fall Arrest to be used.
- Be able to locate and identify major components of the Harness / Fall Arrest and explain their functions.
- Conduct all safety checks in accordance with manufacturer's and legislative requirements.
- Select suitable type of Harness / Fall Arrest relative to the work being undertaken.
- Identify and maintain PPE appropriate for use Harness / Fall Arrest and demonstrate correct use
- Correctly fit and remove the safety Harness / Fall Arrest.
- Carry out end of work inspections.
- Environmental considerations.
- Storage of Harness / Fall Arrest.

For more information contact us on **07525 598028** or constructionacademy@pearson.com
Learn more at www.pearsontqconstruction.com



Other courses



We also deliver the following NPORS courses, please contact us for further information.

- N011 – Industrial Telescopic Handler
- N014 – Marine Knuckled Boom
- N016 – Excavator Mini
- N017 – Petrol Driven Cut Off Saw
- N123 – Excavator Mini Up To 5 Tonnes
- N207 – Crusher
- N301a – Abrasive Wheels Awareness
- N301b – Abrasive Wheels with Practical Cutting/Grinding
- N304 – Cable Avoidance Tool
- N404 – Safe Working at Height
- N607 – 4x4 Off Road Vehicle
- N703 – Fire Warden
- N704 – Manual Handling
- N714 – Safety at Street and Road Works
- N726 – Quick Hitch Awareness

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