

NPORS N107 LORRY LOADER



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NPORS (N107) LORRY LOADER

Introduction

The NPORS N107 Lorry Loader course delivers the foundational theoretical knowledge and hands-on skills required to safely operate vehicle-mounted loader cranes (commonly known as HIABs).

Learning outcomes

By the end of the course, delegates will be able to:

- 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 manufacturers 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 – including differing variations of stabilisers (e.g. swing-up)
- Comply with all requirements for rated capacity indicator / limiter 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

Course content

The theory portion covers critical legislative rules, technical site safety and operational know how.

Theory

The theoretical module covers the statutory regulations, documentation, and safety procedures critical for supervising lifting operations:

- **Legislative Framework:** Learning the core requirements of HASAWA 1974, PUWER, LOLER, CDM regulations, and BS 7121 Part 4.
- **Stabiliser Safety & Risk:** Understanding different outrigger setups, structural packing, and the fatal crushing risks associated with “swing-up” leg deployment near fixed controls.
- **Load Charts & Limitations:** Deciphering manufacturer duty charts, boom angles, and the exact meaning of Hydraulic Outreach and Radius.
- **Slinging & Gear Metrics:** Identifying standard rigging, checking shackle integrity, and managing wet or water-logged loads.
- **Site Hazard Controls:** Assessing risk variables like soft or sloping ground, buried services, and minimum exclusion margins from high-voltage (132 kV) overhead power lines.
- **Safe operation:** How to operate a lorry loader crane safely.

Practical

The practical test evaluates an operator’s ability to travel, maneuver, and position a platform for various tasks.

- **Pre-Operational Inspections:** Executing mandatory component checks across machine components as per pre-use inspection checklist.
- **Siting & Levelling Setup:** Positioning the vehicle securely on firm ground, deploying timber packing blocks, and extending stabiliser legs fully to level the chassis.
- **Testing Indicators:** Testing and monitoring the functionality of the onboard Rated Capacity Indicator / Limiter (RCI/L) prior to active lifts.

- **Lifting Maneuvers:** Successfully completing various kinds of lifting activities as per NPORS guidelines.
- **Lorry Bed Placement:** Lifting, moving, and securely placing all test loads onto and off the lorry bed while matching strict placement tolerances within 100mm of the landing marks.
- **Slinger Signaller Liaison:** Synchronizing movement smoothly alongside a certified slinger signaller using correct hand signals conforming to BS 7121.
- **Transport Securing & Shutdown:** Folding the crane jib, pinning/locking all stabiliser beams into travel configuration, disengaging the PTO, removing the key, and isolating the control deck.

Training Methodology

This course uses a blend of theoretical and practical learning methods to ensure knowledge retention and hands-on skill development. Training delivery includes:

- Interactive classroom presentations and discussions
- Real-life case studies and examples
- Demonstrations of equipment and safe operational techniques
- Supervised practical exercises on how to operate a lorry loader crane safely
- Group activities to enhance communication and coordination
- Instructor feedback and coaching throughout the course

Assessment

- Practical assessment of Lorry Loader operational tasks. Observation and performance evaluation by certified NPORS instructor as per the NPORS practical test sheet
- Written examination (Combination of subjective and objective questions) to test theoretical knowledge

Certification

Candidates who successfully complete the course and pass the assessment will receive:

- NPORS Operator Card valid for 3 years, subject to refresher training and reassessment

Entry Requirements

Participants must meet the following criteria to enroll in the course:

- Be at least 18 years of age
- Be medically fit to perform lorry loader operating duties
- Have a basic understanding of English (for verbal and written communication)
- Ideally, have some prior experience in Lorry Loader operations (recommended but not mandatory)



About Al Mashreq Training

Al Mashreq training Vision is to be the first choice for training in the Gulf. To support this vision, we carefully select highly specialized trainers and competent staff so that the training is delivered to exceed the learners expectation. We have internationally accredited courses that bring value added to clients and learners. Al Mashreq Training will continuously monitor the performance of trainers and learners and will provide the necessary support to enable learners to achieve their qualifications. We will provide all relevant information to learners and clients and answer their queries in a timely manner.

I welcome you once again to Al Mashreq Training and wish you an enjoyable journey throughout your program and success in your training.

Accreditation



Partners



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