



Practical Test for N104 Overhead Crane

Test sequence	<p>ACTIVITY GUIDELINES</p> <p>The learner must:</p> <ul style="list-style-type: none"> • All pre-start and running checks must be completed before any activity takes place • The shutdown procedures must only be completed by the learner at the end of the test • All additional test requirements can be completed over the period of the test duration
Operator safety and observations	<ul style="list-style-type: none"> • The lift must be properly planned, appropriately supervised and carried out in a safe manner • The overhead crane must be supplied with the correct operator's manual, be serviceable, certificated, meet the current legislation and regulations • The test area must be suitable, segregated and have restrictions in place stopping pedestrians entering the test zone • All hand signals shall conform with BS7121 part1: 2016
Specified loads	<ul style="list-style-type: none"> • Load 1 must be unbalanced • Load 2 must be at least 2 tonnes in weight • Load 3 must be at least 4 meters in length • Load 4 must consist 2 x equal-sized loads that can be securely stacked
Setting up in preparation for work	<ul style="list-style-type: none"> • Prepare and set the crane for each lift • Prepare area for out of sight lifts • Ensure flat area to allow lifting, travelling and placing of load
Carry out lifting tasks	<p>Lift load 1: Travel and place the load at a destination which requires the beam to travel the full distance of the working area and requires at least half of the trolleys travel distance. The load must be placed at mid-point of the working area. On completion the load must be removed from the cranes accessories</p> <p>Lift load 2: Travel the load over at least half the total travel length of the beam, negotiate a restriction and place the load at a given point. On completion the load must be removed from the cranes accessories</p> <p>Lift load 3: Travel in a diagonal direction for a least one third of distance of the working area and place at a given point. On completion the load must be removed from the cranes accessories</p> <p>Lift load 4: Lift 1 x load 4 and place in an out of sight position, then on completion, place the load back to its original point and remove the load from the crane</p>



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Shutdown procedures	Crane parked in its designated position with the hook raised, keys removed (if applicable) switched "off" at main isolator switch and the pendant / remote control left safe and secure
Additional notes specifications	<ul style="list-style-type: none"> • The learner must explain in detail a verbal description of how to recover a load swing • The slinger / signaller used to attach loads must be certificated with a recognised in-date qualification • All lifting accessories must be certificated and fit for purpose • Load 2 must be kept at a maximum height of 150mm and kept within the confines of the restriction • The restriction must be 500mm at the extremities and consist of left, right and forward movements of the loaded crane • All loads to be landed within 100mm of designated landing point • Both radio communication and hand signals must be used when lifting load 4 • All loads must be moved in such a way that the slinger / signaller can keep control of the load via a guide line • The weight of all loads must be known and clearly marked on the load • All loads must be made safe and secure after landing
Test timings	The full test must be completed within 1hrs 10min
Notes	It is recommended that all learners completing basic training receive a minimum 7hr Health, Safety, Environment and Induction Training