



Practical Test for N140 Compact Crane

Test sequence	ACTIVITY GUIDELINES The learner must:- <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 in any order
Operator safety and observations	<ul style="list-style-type: none"> • Seat belt must be worn if stated in the employer's risk assessment / method statement • The mini compact crane must be supplied with the correct operator's manual, be serviceable, certificated, meet the current legislation and fitted with the manufacturers LMI / RCI device • The crane must be fitted with at least 4 outriggers or a wheeled / tracked chassis fitted with a telescopic boom, hoist rope and have a relevant legible duty charts available for the learner to use on the test
Travelling to work area	The learner must: <ul style="list-style-type: none"> • Travel to the work area • Manoeuvre the crane through a restricted area in both forward and reverse direction • Travel over varying terrain including up and down an incline • When manoeuvring execute full left and right hand turns
Specified loads	<ul style="list-style-type: none"> • Load 1 must be at least 75% of the cranes rated capacity • Load 2 must consist of tubes (or tubular structure) no less than 4m in length • Load 3 must be at least 50% of the SWL at 75% of the max radius of the crane
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 • Flat area to allow lifting and placing of load • Flat area to allow lifting, travelling and placing of load (if applicable)
Carry out lifting tasks	<ul style="list-style-type: none"> • Load 3: Lift load 3 which must be 75% of the maximum radius and land at a designated place at minimum radius • Load 2: Lift load 2 from minimum radius, rotate at least 280° keeping the load at a constant height and land in a designated place. Re-lift and return and land in original place • Load 1: Lift load 1 and slew at least 360° and changing the radius land in a designated position • Lift and move load 3 and place in in a designated out of sight position (<u>once using hand signals and one using radio communication</u>) • For pick and carry duties (if applicable) lift load 2 and travel with a suspended load for at least 18m in a forward and reverse direction then land at a designated place



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Shutdown procedures	Crane parked on firm level ground in a safe position with boom set in the travel position, hook block secure, engine and isolator key removed and handed to the instructor
Additional notes specifications	<ul style="list-style-type: none">• A verbal description to the instructor of the pre-start checks would be acceptable if the machine is hot• The operator's manual must be accessible• The slope must be of sufficient incline with manoeuvring room on the top to enable the candidate to demonstrate the correct procedures for traveling up and down a gradient as per manufacturer's recommendations• The slinger / signaller used to attach loads must be certificated with a recognised in-date qualification• The maximum clearance for the restriction should be the width of the crane plus 100mm• All lifting accessories must be certificated and fit for purpose• All loads to be landed within 100mm of designated landing point• Hand signals conforming with BS 7121• The weight of all loads must be known and clearly marked on the load• It is imperative that the NPORS instructor checks that their learner has programmed the RCI / LMI correctly before carrying out each activity• All loads must be made safe after landing
Test timings	The full test must be completed within 1hr 45 min
Note	It is recommended that all learners completing basic training receive a minimum 7hr Health, Safety, Environment and Induction Training