



Practical Test for N721 Static Placing Concrete Boom

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 over the period of the test duration
Operator safety and observations	<ul style="list-style-type: none"> • Pipe fittings must be fitted with suitable sufficient locking facilities with a securing mechanism • RAMS must be adhered to throughout the testing process • The static boom must be supplied with the correct operator's manual, be serviceable and meet the current legislation • The working radius of the boom is clear of any hazards and obstructions • The delivery hoses should be suitably and sufficiently anchored and supported
Setting up in preparation for work	<ul style="list-style-type: none"> • Lubricate the line and placing hose with suitable primer • Configure the boom to the required pour area • Confirm and signalling procedures with pump operator • Confirm signals with concrete pouring gang
Pour concrete material at desired location	<ul style="list-style-type: none"> • Pump the material to the agreed position • Whilst pumping move the boom in various directions incorporating a change of radius and keeping the delivery hose at a safe constant height • A full explanation should be given to the instructor regarding unblocking procedures
Shutdown procedures	<ul style="list-style-type: none"> • Clean all pumping systems using the recommended cleaning procedure • Dismantle and store components (if applicable) • Fold away boom and return to the park position • Carry out shut down and securing procedures
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 slinger / signaller used to guide the operator must be certificated with a recognised in-date qualification • Both radio communication and hand signals can be used • The pumps boom must be sufficiently extended during the test • The boom should be hydraulically operated, and have fixed or remote controls • The directional controls must be clearly marked • The delivery pipe should consist of metal and flexible hosing and be at least 15m in length • Material must be pumped for at least 15 min • If using concrete, a suitable and sufficient wash out area must be identified and used
Test timings	<ul style="list-style-type: none"> • The full test must be completed within 2hrs
Note	<ul style="list-style-type: none"> • It is recommended that all learners completing basic training receive a minimum 7hr Health, Safety and Environment and Induction training