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### PILING RIG - CFA

- All Plant is to be inspected prior to first use, by completing the appropriate pre-start check sheet and daily / weekly recorded inspections thereafter
- Daily / weekly inspection records for site based plant are to be completed and held in the cab
- Operators must complete a full induction prior to starting work and evidence of having signed on to the appropriate RAMS / WPP / TBS for the task provided
- Sites must assess the suitability and selection of excavators for particular tasks and environments. A specific risk assessment must be completed prior to work commencing. This must take account of the ground conditions, inclines on which they are to be used



### MANDATORY

Plant	Operator
<ul style="list-style-type: none"> <li>• Pre-use inspection signed off</li> <li>• 12-month thorough examination</li> <li>• Seat belts (retractable) must be fitted and operational with green light to indicate when seat belt worn</li> <li>• Mirrors / CCTV to provide 360o visibility</li> <li>• Evidence of regular inspection plus "next service due" date</li> <li>• Safe access for refueling and maintenance</li> <li>• Operator's instructions must be available on the machine</li> <li>• All safety labels (decals) in place</li> <li>• Locking cabs / covers</li> <li>• Isolation switch with key / locking doors with key</li> <li>• Track direction indicator</li> <li>• Cab free of un-necessary items</li> <li>• ROPS/FOPS compliant cab structure including appropriate debris guards</li> <li>• Flashing amber beacon</li> <li>• Fitted with 'hold to run' levers</li> <li>• Fitted with an over-hoist cut out device and be operational</li> <li>• Load bearing hydraulic cylinders fitted with check valves</li> <li>• Fitted with handrails on the upper structure and running boards if access to height is required</li> <li>• A mechanical auger cleaner must be fitted</li> <li>• Auger guarding to be fitted to ensure no possibility of contact with the rotating auger</li> <li>• Rubber concrete pipes fitted at height on the rig shall have whip checks fitted at all joints.</li> <li>• Blow out adaptors shall have two air exhaust valves fitted and a pressure gauge to clearly identify the pressure within the pumping lines.</li> <li>• An external 'E Stop' must be fitted</li> <li>• Operators must be familiar with alarms and or limit switches fitted to the equipment</li> </ul>	<ul style="list-style-type: none"> <li>• Shall be suitably trained and competent</li> <li>• CPCS card - A59 - Excavator above 10-ton, Category A Tracked, C Lifting Operations</li> <li>• NPORS CSCS affiliated - Excavator category</li> <li>• Competency assessment to be completed prior to being put to work - so to be familiar with machine (H09-05 Permit to Operate Plant)</li> <li>• Full site-defined PPE required - close fitting PPE required in all cases to avoid catching on controls</li> <li>• Operator to be briefed on and to comply with VolkerWessels UK (VW UK) Pre-use, Daily and Weekly Defect Reporting System. Report defects and stop machine where defect is safety critical</li> <li>• Ensure machine is operated in accordance with manufactures instructions and in accordance with his / her training</li> <li>• Be briefed on the site Plant and Vehicle Management procedures and check for overhead obstructions and hazards</li> <li>• Shall stop work if any unauthorized / unsupervised personnel enter their immediate work area</li> <li>• Operator to mount and dismount machine using fixed access arrangements and always facing the machine</li> <li>• Seat belt must be worn</li> <li>• Shall report all unsafe conditions</li> <li>• Do not break ground unless briefed on, received, and fully understood a Permit to Dig</li> <li>• All hoses to be inspected regularly</li> <li>• Shall not slew or track the rig unless under direction from a designated rig attendant</li> <li>• Engine must be turned off and keys removed from the ignition before leaving the machine unattended for any reason</li> </ul> <p><b>Quick hitch:</b></p> <ul style="list-style-type: none"> <li>• Be briefed on "Safe Use of Quick Hitches"</li> <li>• Operator shall be trained in how to use specific quick hitch attachments</li> <li>• Daily / weekly inspection signed off</li> </ul>

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MANDATORY (CONTINUED)	
Plant	Operator
<p><b>Unless demonstrated that it will not be used for lifting:</b></p> <ul style="list-style-type: none"> <li>• 6 Month thorough examination on lifting accessories</li> <li>• Certified lifting point required for all lifting duties</li> <li>• Safe Load Indicator or Rated Capacity Indicator fitted (Protec Pro PME 200 or equivalent)</li> <li>• When using a lifting eye, a swivel hook must be used to ensure load can be maneuvered without risk of swinging back or overloading</li> <li>• SWL to be clearly marked</li> <li>• A specific lifting duty sheet, lift plan and risk assessment</li> <li>• Check valves must be fitted to excavators boom and dipper circuits</li> </ul> <p><b>If quick hitch fitted:</b></p> <ul style="list-style-type: none"> <li>• Must comply with VW UK Group Safe Use of Quick Hitch Devices</li> <li>• Must be automatic double locking</li> <li>• Copy of Manufacturers Operating Instructions</li> <li>• Pre-use inspection signed off</li> </ul> <p><b>If used under overhead cables or obstruction:</b></p> <ul style="list-style-type: none"> <li>• Height restrictors with indication on machine</li> <li>• HSE GS6 "Avoidance of danger from overhead electric power lines" must be followed</li> </ul> <p><b>Environmental</b></p> <ul style="list-style-type: none"> <li>• Engine must comply with the Stage IIIB European Emissions Standards and the NRMM Emissions Regulations in Central London and Canary Wharf</li> </ul>	<p><b>Lifting:</b></p> <ul style="list-style-type: none"> <li>• Lift plan and / or permit to lift must be briefed and understood</li> <li>• Operator shall be trained in how to use specific lifting attachments</li> <li>• CPCS card category A59A (&gt;10t) to include "C" endorsement for Lifting Operations.</li> </ul>

DESIRABLE
<ul style="list-style-type: none"> <li>• Proximity Warning System (PWS)</li> <li>• Impose people exclusion area around plant and operation</li> <li>• Have an in-cab warning alarm / sounder</li> <li>• Reversing alarm to be fitted working and audible</li> <li>• Use of slew restrictors where appropriate</li> <li>• Seat belts must be interlocked with ignition switch</li> <li>• Coloured seat belts to improve visibility</li> <li>• When used for lifting, a list of weights of potential items to be lifted should be maintained</li> <li>• Tracker unit, isolation method independent of factory fitted locks, locking caps / covers to fuel and all other tanks</li> <li>• Have external sounder warning of quick hitch operation</li> <li>• Locking caps/covers to fuel and all other tanks</li> <li>• Hydraulic rams on engine compartment</li> <li>• Auger gate canopy</li> <li>• Suitable limit switches and / or audible alarms must be fitted to alert the operator when approaching operating duties. Where this cannot be achieved approvals must be received from the HSEQ Department and Business Unit Director prior to any use.</li> </ul>

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RISKS	CONTROLS
<ul style="list-style-type: none"> <li>• Being struck/crushed by plant and vehicles</li> <li>• Falling items / materials</li> <li>• Operatives falling into loosening ground openings that have not been suitably backfilled / fenced off</li> <li>• Excessive noise and vibration</li> <li>• Undermining of foundations</li> <li>• Spray of hydraulic oil due to hose burst</li> <li>• Concrete / air hose failure</li> <li>• Unauthorized operation</li> <li>• Overturning of Excavator</li> <li>• Overhead / Underground services</li> <li>• Falls from height</li> <li>• Entrapment</li> <li>• Multiple Rigs/Cranes coming into contact</li> </ul>	<ul style="list-style-type: none"> <li>• Exclusion zone to be implemented, no entry into exclusion zone unless authorised</li> <li>• Prior to piling the client to confirm that all ground conditions have been checked and appropriate ground protection provided.</li> <li>• Dropped loads / materials - exclusion zone to be set up around the area of lifting operations</li> <li>• Piling platform certificate and permit to load to be issued to the piling supervisor prior to any plant being loaded and any modifications</li> <li>• The platform to be inspected prior to use and after any adverse weather and modifications.</li> <li>• Any soft spots or movement in the working platform works to stop immediately and reported to the Supervisor.</li> <li>• Controls should be secured so that unauthorized operation is effectively prevented when the machine is not in use</li> <li>• Any operatives must ensure they keep hands, fingers clear of any moving parts</li> <li>• COSHH assessment for fuels, oils and greases</li> <li>• Rig to cease operation in high winds</li> <li>• Permit to dig to be issued to the Piling Supervisor</li> <li>• Piling / Crane Supervisor to be in attendance at all times when multiple rigs and cranes are working in close proximity</li> <li>• Noise signage to be posted to warn others. Ensure operating only within allowed working hours</li> <li>• Install noise barriers where possible</li> </ul>

Note: All persons preparing risk assessments involving plant are encouraged to visit the proposed area of work and to review previous risk assessments undertaken for similar activities and safety alerts.

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