

VolkerFitzpatrick ✓

VolkerFitzpatrick-Rail ✓

VolkerRail
n/a

VolkerStevin ✓

VolkerHighways ✓

VolkerLaser ✓

VolkerServices
n/a

Piling Rig - Rotary

- All Plant, equipment attachments and accessories must be inspected prior to first use, and the appropriate pre-start check sheet completed and daily recorded inspections thereafter
- Daily inspection records for **site-based** plant are to be completed and held on site
- 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 and complete and be issued a permit to operate plant



Mandatory

Plant	Operator
<ul style="list-style-type: none"> • Pre-use inspection documentation form signed off • Completed Operator Daily Checklist • CE Certificate • Current 12 monthly thorough examination certificate • Current 6 monthly LOLER thorough examination certificate for all lifting accessories carried • Evidence of regular inspection plus "next service due" date • Locking doors with key • All safety labels (decals) in place • The operator's manual must be present with the machine • ROPS / FOPS cab structure including appropriate debris guards • Protective mesh must be in place to side of cab on jib side if window is opening type? • Flashing amber beacon • Mirrors / CCTV to satisfy 1m high at 1m distance visibility • Safe access into the cab, for refuelling, maintenance and to any place where accessories are stored • Fitted with 'hold to run' levers • Fitted with an over-hoist cut out device and be operational • Motion alarms for slew and tracking must be fitted • Load bearing hydraulic cylinders fitted with check valves • Auxiliary winch hook must be fitted with a safety catch • The auxillary line must be fitted with an over-hoist limit switch • Fire extinguisher • Fitted with handrails on the upper structure and running boards if access to height is required • Operators must be familiar with alarms and or limit switches fitted to the equipment • Fixings connecting the Adaptor Plate to the Spinner / Casing must be one of the following types shown below. A minimum of three threads should be visible on the bolt when the nut is fully tightened <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Figure 1 Castellated with Split pin</p> </div> <div style="text-align: center;">  <p>Figure 2 Nyloc</p> </div> </div> <ul style="list-style-type: none"> • Standard nuts as shown below must NOT be utilised for connection of Adaptor Plates or Spinners / casings 	<ul style="list-style-type: none"> • Shall be suitably trained and competent • Hold a current and valid Safety Critical Medical • Ensure machine is operated in accordance with manufacturer's instructions and in accordance with his / her training and risk assessment • Shall report all unsafe conditions • Full site-defined PPE required - close fitting PPE required in all cases to avoid catching on controls • Do not break ground unless briefed on, have received, and fully understood a Permit to Break Ground • Operator to be briefed on and to comply with VolkerWessels UK Pre-use, Daily and Weekly Defect Reporting System. Report defects and stop machine where defect is safety critical. Should hard coring / rotary boring conditions be encountered with increased vibration the frequency of checks throughout the shift should be increased especially in regard to the bolted connections on the Adaptor Plate and Spinner / casing. • Be briefed on the site Plant and Vehicle Management procedures and check for overhead obstructions and hazards • Shall stop work if any unauthorized / unsupervised personnel enter their immediate work area • Engine must be turned off and keys removed from the ignition before leaving the machine unattended for any reason • Operator to mount and dismount machine using fixed access arrangements and always facing the machine • Shall not slew or track the rig unless under direction from a designated rig attendant

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Desirable

- Aircraft warning lights (if working within the vicinity of aerodromes)
- Locking caps / Covers to fuel and all other tanks
- GPS tracker unit installed
- Proximity detection sensors. Rear facing mounted camera on counterweight
- Hydraulic rams on engine compartment
- Motion alarms for tracking
- Anemometer
- 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

Risks	Controls
<ul style="list-style-type: none"> • Being struck / crushed by plant and vehicles • Being struck falling items / materials / flying arisings • Spray of hydraulic oil due to hose burst • Concrete / air hose failure • Unauthorized operation • Overturning / instability of Rig • Overhead / Underground services • Falls from height • Entrapment 	<ul style="list-style-type: none"> • Exclusion zone to be implemented, no entry into exclusion zone unless authorized • Prior to piling the client to confirm that all ground conditions have been checked and appropriate ground protection provided. • Exclusion zone to be set up around the area of lifting operations • Piling platform certificate and permit to load to be issued to the piling supervisor prior to any plant being loaded and any modifications • The platform to be inspected prior to use and after any adverse weather and modifications • Any soft spots or movement in the working platform works to stop immediately and reported to the Supervisor • Daily checks must be undertaken • Any access ramps constructed are within gradients suitable for the rig to use as access / egress • The rig must not track over bore holes that are not suitable backfilled • Controls should be secured so that unauthorized operation is effectively prevented when the machine is not in use • Any operatives must ensure they keep hands, fingers clear of any moving parts • Operatives not to walk at the rear of plant • All openings to be either backfilled or covered immediately • COSHH assessment for fuels, oils and greases • Permit to dig to be issued to the Piling Supervisor • Edge protection or other controls to be implemented for any work at height

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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