

VolkerFitzpatrick  
✓

VolkerFitzpatrick-Rail  
✓

VolkerRail  
n/a

VolkerStevin  
✓

VolkerHighways  
✓

VolkerLaser  
✓

VolkerServices  
n/a

## 180° EXCAVATOR / BACKHOE

- 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 which can be detailed in the main works risk assessment. 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>• If used on public highway - compliance with Construction and Use regulations (lights, VED, registration plates front and rear etc.)</li> <li>• 12 month thorough examination</li> <li>• Roll over protective structure (ROPS)</li> <li>• Falling objects protective structure (FOPS) to cab by risk assessment dependent upon work being undertaken</li> <li>• Seat belts (retractable) must be fitted and operational with green light to indicate when seat belt worn</li> <li>• Flashing amber beacon</li> <li>• Mirrors / CCTV to provide 360° visibility</li> <li>• Evidence of regular inspection plus "next service due" date</li> <li>• Safe access for refuelling and maintenance</li> <li>• Operators instructions must be available on the machine and operating control functions clearly marked</li> <li>• All safety labels (decals) in place</li> <li>• Locking caps / covers</li> <li>• Isolation controls by a secondary device, such as seat rotation / locking doors with key where applicable</li> <li>• Fire extinguisher in cab</li> <li>• Reversing alarm to be fitted working and audible</li> <li>• Cab free of un-necessary items</li> <li>• Brake efficiency testing to be carried out and recorded e.g. daily user park and Service brake and dynamic brake efficiency test at maximum six monthly intervals</li> <li>• Tooth guards must be used at all times when on public highway</li> <li>• If wheeled duties use axle locks for other duties stabilisers must be deployed</li> </ul> <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>• SWL to be clearly marked on certified lifting points</li> <li>• Audible or visual overload warning system fitted and operational</li> <li>• A machine specific lifting duty sheet, lift plan and risk assessment</li> <li>• Check valves must be fitted to excavators boom and dipper circuits</li> </ul>	<ul style="list-style-type: none"> <li>• Shall be suitably trained and competent</li> <li>• CPC card - category A10 (&lt;5t) or A12 (&gt;5t)</li> <li>• Competency assessment by site supervisor prior to being put to work</li> <li>• Must have a current relevant driving licence (Category B), at least 18 years of age and be authorised if driving on the public highway</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 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>• Engine must be turned off if approached by others and keys removed from the ignition before leaving the plant unattended for any reason</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> </ul> <p><b>If quick hitch fitted:</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 inspection signed off</li> </ul> <p><b>If used for 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 excavator as a crane and specific lifting attachments</li> </ul>

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n/a

**MANDATORY (CONTINUED)**
**Plant (Continued)**
**If Quick hitch fitted:**

- Must be fully automatic double locking for machines over 5 Tonnes (unless fixed as a direct attachment - no quick hitch)
- Have an in-cab audible alarm to warn of detachment
- Copy of manufacturers operating instructions
- Pre-use Inspection signed off

**If used under overhead cables or obstructions:**

- Height restrictors with indication on machine
- Health and Safety Executive's GS6 avoidance of danger from overhead electric power lines' must be followed
- Slew restrictors, Plant and Vehicle Marshal with remote cut out etc. if used adjacent live lanes where machine may strike passing traffic

**Environmental**

- Engine must comply with the Stage IIIB European Emissions Standards and the NRMM Emissions Regulations in Central London and Canary Wharf

**DESIRABLE**

- Tracker unit, isolation method independent of factory fitted locks, locking caps / covers to fuel and all other tanks
- Complete people exclusion area around plant and operation
- When using a lifting eye, a swivel hook should be considered to ensure load can be manoeuvred without risk of swinging back or overloading
- A list of weights of potential items to be lifted should be maintained
- Operator to have passed Drugs and Alcohol test on induction and subject to ongoing medical screening / surveillance
- Seat belt operation interlocked with ignition switch / warning indicator
- Coloured seat belts or overband to improve visibility
- Use of slew restrictors where appropriate
- Engine emissions compliant to EU Tier iii B or better
- Machine under six years since date of manufacture

RISKS	CONTROLS
<ul style="list-style-type: none"> <li>• Danger of crushing in slew zone.</li> <li>• Overturning if lifting duties exceeded</li> <li>• Consider risk of accessories - e.g. hammer / Noise</li> <li>• Ground conditions and stability</li> <li>• Clothes snagged on controls prior to release of servo isolator / safety handle</li> <li>• Controls can be caught inadvertently if near to safety lever</li> <li>• Effect of weather on visibility and working / traffic surfaces</li> <li>• Overhead obstructions - cables; bridges</li> <li>• Public interface (working alongside) - consider slew restrictors</li> <li>• Transportation including loading / unloading</li> </ul>	<ul style="list-style-type: none"> <li>• Safe and clean access into cab</li> <li>• Safe and clean access for refuelling and maintenance</li> <li>• No entry into exclusion zone unless signalled by operator - <b>Thumbs Up</b></li> <li>• Use of CCTV or other proximity devices should be considered when planning activities</li> <li>• COSHH assessment for fuels, oils and greases</li> <li>• Operator to ensure buckets are carried and secured safely when stored, travelling or being transported</li> <li>• Reversing alarm audible at 10m</li> <li>• Plant and personnel segregation</li> <li>• Underground services - display Permit to Dig</li> <li>• All round visibility equipment fully operational</li> <li>• Access and egress from machines 3 points of contact and exit backwards</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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