

VolkerFitzpatrick
✓

VolkerFitzpatrick-Rail
✓

VolkerRail
n/a

VolkerStevin
✓

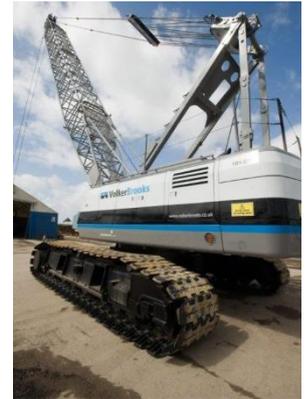
VolkerHighways
✓

VolkerLaser
✓

VolkerServices
n/a

CRAWLER CRANE

- 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 cranes for particular tasks and environments. A specific lift plan and risk assessment must be completed prior to work commencing which can be detailed in the main works risk assessment
- Only Hydraulic cranes permitted, not mechanical



MANDATORY

Plant	Operator
<ul style="list-style-type: none"> • Pre-use crane documentation form signed off • Completed Operator Daily / Weekly Checklist • CE Certificate • Current 12 monthly LOLER thorough examination certificate • Current 6 monthly LOLER thorough examination certificate for all lifting tackle carried • Protected cab or FOPS cab structure where risk of falling objects • Flashing amber beacon • Mirrors / CCTV to provide 360° visibility • Evidence of regular inspection plus "next service due" date • Safe access for refuelling and maintenance • Operators instructions must be available on the machine and operating control functions clearly marked • All safety labels (decals) in place • Locking caps / covers • Isolation switch with key / locking doors with keys • Fire extinguisher in cab • Reversing alarm to be fitted working and audible • Slew alarms • Aircraft warning lights (if working within the vicinity of aerodromes) • Slew, jib height and radius restrictors if working in the vicinity of overhead power lines, railways, adjacent live traffic, etc. • Hook block over hoist cut-out facility • Boom hoist cut-out facility • Handrails fitted to running boards and crane upper structure • Load bearing hydraulic cylinders fitted with check valves • Rated Capacity Indicator (RCI) • Crane fitted with anemometer or other device to monitor in service wind speeds • All D/Bow Shackles used above 2 metres must be the Bolt Anchor Type (i.e. bolt, nut and pin) • Cab free of un-necessary items 	<ul style="list-style-type: none"> • Shall be suitably trained and competent • CPCS card with Category A02B • Valid medical certificate • Competency assessment by site supervisor prior to being put to work • Evidence of familiarisation training for type of crane to be operated • Full site-defined PPE required - close fitting PPE required in all cases to avoid catching on controls • 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 • Ensure machine is operated in accordance with manufactures instructions and in accordance with his / her training • 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 if approached by others and keys removed from the ignition before leaving the plant unattended for any reason • Operator to mount and dismount machine using fixed access arrangements and always facing the machine • Shall report all unsafe conditions • Lifting plan and permit to lift in place as applicable

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MANDATORY (CONTINUED)

Plant (Continued)

Man Riding Requirements:

- 6 Month thorough examination on lifting accessories and equipment / crane
- Carrier hoisting and lowering ropes minimum diameter of 8mm
- Hook fitted with safety catch
- Ability to restrict the working speed of all crane functions to 0.5m/s
- Control levers return to neutral automatically when released
- SWL of crane configuration in use is at least twice the rated capacity of the carrier
- Power lowering facility fitted to crane. If not, free-fall capability must be locked out
- Refer to BS7121 -1:2016 for further guidance

Environmental

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

PROHIBITED

- Mechanical crawler cranes

DESIRABLE

- Jib Head camera if working on sites with blind lifting issues
- Counterweight mounted CCTV
- Block stand to be provided when reeving rope into hook block whilst block is lying down
- Window guards
- Audible / visual slew alarm
- All round vision system to avoid potential crushing incident
- Operator to have 3 years' operating experience
- Means for operator to monitor hoist rope tension, e.g. camera or mirror
- Red, amber and green high level illumination to indicate crane working within safe limits

RISKS	CONTROLS
<ul style="list-style-type: none"> • Danger of crushing in slew zone • Overturning if lifting duties exceeded, ground capable of withstanding imposed track loadings, underground services • Overhead obstructions - cables, bridges, power lines, telephone lines • Effect of weather on visibility and working / traffic surfaces • Potential excessive noise • Poor visibility for operators of pedestrians 	<ul style="list-style-type: none"> • Safe and clean access into cab • Safe and clean access for refuelling and maintenance • No entry into exclusion zone unless signalled by operator - Thumbs Up • Dropped loads - exclusion zone set up around the area of lifting operations, loads consisting of loose material / components to be containerized • Reversing alarm audible at 10m • Jib clash - coordination with adjacent cranes, tall plant • Public interface - working alongside - consider slew restrictors • All round visibility tools fully operational • Use of jib walkways to be avoided where practical • COSHH assessment for fuels, oils and greases

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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