

VolkerFitzpatrick
✓

VolkerFitzpatrick-Rail
✓

VolkerRail
n/a

VolkerStevin
✓

VolkerHighways
✓

VolkerLaser
✓

VolkerServices
n/a

MOBILE 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

- Pre-use crane documentation form signed off
- Completed Operator Daily / Weekly Checklist
- CE certificate and Current Test 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, including load charts, 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
- Rated Capacity Indicator (RCI)
- Over hoist limit device installed
- 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.
- Load bearing hydraulic cylinders fitted with check valves
- Protective mesh must be in place to side of cab on jib side if window is opening type
- Hook fitted with safety catch
- Crane fitted with anemometer or other device to monitor in service wind speeds
- Sectional / lightweight or circular outrigger pads if manually handled to reduce risk to personnel
- Cab free of un-necessary items

Operator

- Shall be suitably trained and competent
- CPCS Card with category A60C - All Duties, A - Blocked Duty only, B - Pick and Carry Duties only
- Minimum of Cat C driving licence when unit over 7.5t GVW
- Valid medical certificate
- Evidence of familiarisation training for type of crane to be operated
- Competency assessment by site supervisor prior to being put to work
- 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

Issue no.:	2	Date:	Sep 2023	Parent document:	H09 Working with Plant		
Approved for IMS:	IMS Manager		Document owner:	CR Director	Workspace file:	n/a	Page 1 of 2

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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
- 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

DESIRABLE

- Camera to be fitted to cathead to give operator clear view of load when blind lifting
- Fall restraint system fitted to boom for rigging super-lift
- Block stand to be provided when reeving rope into hook block whilst block is lying down
- 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 • Use of jib walkways to be avoided where practical • Potential excessive noise • Poor visibility for operator 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 • Outrigger pads can be very heavy and awkward shapes. Assessment required in lifting plan • 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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