

VF-B ✓	VF-C ✓	VF-R ✓	VH ✓	VR n/a	VS ✓	VB ✓	VGE ✓	VL ✓	VI ✓	Shared Services n/a
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## 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	Operator
<ul style="list-style-type: none"> <li>• Pre-use crane documentation form signed off</li> <li>• Completed Operator Daily / Weekly Checklist</li> <li>• CE certificate and Current Test certificate</li> <li>• Current 12 monthly LOLER thorough examination certificate</li> <li>• Current 6 monthly LOLER thorough examination certificate for all lifting tackle carried</li> <li>• Protected cab or FOPS cab structure where risk of falling objects</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, including load charts, 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 switch with key / locking doors with keys</li> <li>• Fire extinguisher in cab</li> <li>• Rated Capacity Indicator (RCI)</li> <li>• Over hoist limit device installed</li> <li>• Aircraft warning lights (if working within the vicinity of aerodromes)</li> <li>• Slew, jib height and radius restrictors if working in the vicinity of overhead power lines, railways, adjacent live traffic, etc.</li> <li>• Load bearing hydraulic cylinders fitted with check valves</li> <li>• Protective mesh must be in place to side of cab on jib side if window is opening type</li> <li>• Hook fitted with safety catch</li> <li>• Crane fitted with anemometer or other device to monitor in service wind speeds</li> <li>• Sectional / lightweight or circular outrigger pads if manually handled to reduce risk to personnel</li> <li>• Cab free of un-necessary items</li> </ul>	<ul style="list-style-type: none"> <li>• Shall be suitably trained and competent</li> <li>• CPC Card with category A60C - All Duties, A - Blocked Duty only, B - Pick and Carry Duties only</li> <li>• Minimum of Cat C driving licence when unit over 7.5t GVW</li> <li>• Valid medical certificate</li> <li>• Evidence of familiarisation training for type of crane to be operated</li> <li>• Competency assessment by site supervisor prior to being put to work</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>• Shall report all unsafe conditions</li> <li>• Lifting plan and permit to lift in place as applicable</li> </ul>

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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"> <li>• Danger of crushing in slew zone</li> <li>• Overturning if lifting duties exceeded, ground capable of withstanding imposed track loadings, underground services</li> <li>• Overhead obstructions - cables, bridges, power lines, telephone lines</li> <li>• Effect of weather on visibility and working / traffic surfaces</li> <li>• Use of jib walkways to be avoided where practical</li> <li>• Potential excessive noise</li> <li>• Poor visibility for operator of pedestrians</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>• Dropped loads - exclusion zone set up around the area of lifting operations, loads consisting of loose material / components to be containerized</li> <li>• Reversing alarm audible at 10m</li> <li>• Jib clash - coordination with adjacent cranes, tall plant</li> <li>• Public interface - working alongside - consider slew restrictors</li> <li>• All round visibility tools fully operational</li> <li>• Outrigger pads can be very heavy and awkward shapes. Assessment required in lifting plan</li> <li>• COSHH assessment for fuels, oils and greases</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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