INVICTA TECHNICAL FILE

OPERATION, MAINTENANCE, & HEALTH AND SAFETY INSTRUCTIONS

PRODUCT RANGE/WELL RING LIFTER – FORK & HIAB

Operation – Fork Lift Forks

1. Position forks to the correct fork centres.
2. Enter the forks of the FLT into the fork hoops under the main beam and stop when the desire position is achieved.
3. Pull the safety chain tight and then wrap around the shank of the fork and lock into place by hooking the hook on the chain so as to prevent movement of the attachment on the blade of the forks.
4. Lift the attachment to waist height; remove the location pin in each grab and position grabs to suit the diameter of Well Ring to be lifted and reinsert location pin and safety lynch pin.
5. Lift the attachment over the Well Ring so that each grab is over the vertical centre of gravity of the Well Ring and ensuring that the mast of the forklift is vertical.
6. Lower the attachment onto the walls of the Well Ring until each grab is totally collapsed, which will unlock each grab and then lift at a steady speed until each of the contact pads (4 in total) grip the Well Ring and the Well Ring lifts clear of the ground/stack.
7. At this point some back tilt will be required to level out the fork deflection so that the attachment and Well Ring are operating at their centre of gravity. The well Ring is now ready to be moved/loaded on a wagon.
8. Once you have positioned the Well Ring in the area for it to be released, lower the attachment until the Well Ring contacts the ground and then continue to lower until each grab is fully collapsed, the grabs will then lock in the open position allowing the attachment to pull clear.
9. You are now ready to lift the next ring.

Operation – HIAB

1. Positions the HIAB over the centre of gravity on the Adaptor Plate fitted to the main beam and clamp the plate under the ridge on each side.
2. Attach the safety chain to one of the hooks on the HIAB, through the fork hoop under the main beam and then onto the other hook on the opposite side of the HIAB – report for the opposite fork hoop.
3. Follow step 4 – 9 above

Maintenance

1. The Well Ring Lifter should be inspected weekly for general condition with particular attention paid to:
   - A - All weld points
   - B - Wear & distortion of lifting eyes
   - C - Any damaged components
   - D - Locks & latches
   - E - Security of all nuts and bolts
   - F – Security and condition of contact pads
2. General surface rusting especially in critical areas should be treated with proprietary inhibitors, primers and paint on a regular basis.
3. All hinges, latches, locks, hinge points and springs must be kept lightly greased.
4. Damage or failure must be reported or rectified immediately prior to re-use of the grab.
5. This product is certified for twelve (12) months from the date of manufacture after which it is the customer's responsibility to have the product re-tested at an approved testing facility or inspected and logged in a register by a competent person as advised by the HSE.

Health and Safety

1. The manager of the department or section where the attachment is to be used must be responsible for ensuring the operators are fully conversant with the attachment, its operation and maintenance.
2. When moving around the yard minimise the swinging of the load by controlling your speed at corners.
3. Avoid potholes and/or rough terrain as this can cause negative gravity.
4. Ensure that the grab is lifting on the centre of gravity of its intended load.
5. Keep hands and fingers clear of all moving parts so as to prevent trapping.
6. Ensure that all personnel are stood clear when a Well Ring is lifted.
7. Never shock load the grab when loaded as this may result in loosing the load.
8. Always ensure that the grab is fully closed between each operation so as to ensure that the release mechanism correctly rotates.

The Operator should ensure that the above product is used for the purpose that it has been designed, tested and intended to do and no deviation to this occurs. If in doubt, consult your fork truck dealer or approved attachment supplier.