

9 June 2021, Ref: 2122019

Worker Struck by Reversing Wheel Loader

On 3 June 2021, a worker died from his injuries when a wheel loader used to transfer gravel and sand, reversed and hit him. A working rear-view camera was installed on the wheel loader, but its warning beacon and reverse alarm were not functioning.



Overview of the accident scene.

Recommendations

Such accidents can be prevented with the following measures:

- Ensure that side/rear-view mirrors, reverse alarms and warning lights for all worksite vehicles are working.
- Vehicle drivers check blind spots while reversing.
- Reversing is done under the direction of a banksman.
- Implement a worksite traffic management plan to separate workers from vehicles.
- Where possible, use technology to ensure safe reversing. For example:
 - Reverse camera
 - Rear-mounted obstacle and personnel collision detector
 - Interlock system that can stop the vehicle upon detection of upcoming collision

Information on the accident is based on preliminary investigations by the Ministry of Manpower as at 4 June 2021. This may be subject to change as investigations are still on-going. Please note that the recommendations provided here are not exhaustive and they are meant to enhance workplace safety and health so that a recurrence may be prevented. The information and recommendations provided are not to be construed as implying any liability on any party nor should it be taken to encapsulate all the responsibilities and obligations under the law.

Worker Pinned Under Bus During Repair Works

On 6 June 2021, two workers raised a bus using two car jacks and went to work underneath the vehicle. While working, one of the supporting jacks suddenly collapsed, causing the bus to fall on both workers. One of the workers was killed, while the other sustained non-fatal injuries.



Car jacks used.

Recommendations

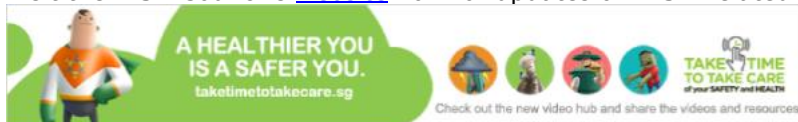
Such accidents can be prevented with the following measures:

- Do not use car jacks for lifting heavy vehicles like buses, trucks and lorries.
- Use only vehicle jacking equipment designed for the load (i.e. vehicle and any content).
- Check that vehicle jacks are securely engaged at the designated jacking points of the vehicle before raising.
- Use vehicle stands/props to provide additional support when lifting heavy vehicles like buses, trucks and lorries.
- Chock all wheels still in contact with the ground.
- Where available, use a vehicle maintenance pit or purpose-built vehicle ramp/lift to safely access the bottom of a vehicle.

Information on the accident is based on preliminary investigations by the Ministry of Manpower as at 7 June 2021. This may be subject to change as investigations are still on-going. Please note that the recommendations provided here are not exhaustive and they are meant to enhance workplace safety and health so that a recurrence may be prevented. The information and recommendations provided are not to be construed as implying any liability on any party nor should it be taken to encapsulate all the responsibilities and obligations under the law.

We regret that we are unable to reply to emails at this email address. For enquiries or feedback, please email us at contact@wshc.sg.

Visit the WSH Council's [website](#) now for updates on WSH-related matters, information and events.



This WSH Bulletin is available free of charge, may be printed or downloaded onto electronic, optical or similar storage media provided that such activities are for private research, study, or in-house use only. If such material is to be copied or reproduced, users are asked to ensure that the material is reproduced accurately and not in a misleading context, that the status of the material is identified and to acknowledge Workplace Safety & Health Council, Singapore as the source of the material.