



## Safety Bulletin

### Forklift stability when carrying loads

The purpose of this Safety Alert is to remind forklift owners, operators, and workers of the hazards associated with operating forklifts, in particular on uneven ground with elevated heavy and large dimension loads, and to reinforce the use of well-established ways to minimise the risk of injury from tipping over.

#### Background

WorkSafe Inspectors have responded to two forklift tip over incidents within two weeks, in Darwin.

The first incident occurred in late March 2021, when an unlicensed operator was reversing a forklift along a rough dirt driveway carrying a trailer frame. The forklift was reversing with the tynes raised at the top of the mast when the forklift tipped over onto its side. The operator received a serious laceration to their arm that required 32 stitches.

The second incident occurred in early April 2021, when a recently licensed, and inexperienced forklift operator attempted to unload a 40-foot shipping container from a vessel. The shipping container had to be elevated to clear the vessel's bow as the forklift reversed down the bow ramp.

As the forklift attempted to reverse up the boat ramp, the 37-tonne forklift tipped forward damaging the vessel, shipping container and forklift. Fortunately, the operator escaped without injury.



#### Possible contributing factors:

- The forklifts were travelling on uneven ground or an incline when the tip over occurred.
- Both forklifts were travelling with the loads lifted high, which can affect the stability of the forklift.
- The loads being carried in both incidents may have contributed to the incident:
  - In the first incident, the trailer frame was not secured and was able to swing on the tynes;

#### Action required:

- Before moving a load, the operator should check that the load is secured, and the weight is within the forklifts rated capacity.
- Loads should be lowered just above the ground with the mast tilted back before moving.
- When operating the forklift on an incline, the load must be tilted back and raised only as far as needed to clear the ground. The load must be facing up the incline. Do not try to turn on an incline.
- Operators must wear the seatbelt (if fitted). Seatbelts can be retrofitted to forklifts without them.
- Operators must hold the appropriate high risk work licence before operating a forklift and inexperienced operators should be appropriately supervised.
- Businesses must ensure that all aftermarket equipment installed is suitable for the task at hand, and all operators are competent in using the installed equipment.

If the work environment is not safe to properly operate a forklift, consider using alternative equipment to move the load.

The Mitsubishi range of equipment includes [safety features](#) such as: mast and travel interlock, lift lock and neutral safety systems to enhance your forklift safety in the workplace.

MLA Holdings Pty Ltd can provide expert advice on forklift safety contact us on 1300 000 652 or visit [www.mlaholdings.com.au](http://www.mlaholdings.com.au). Information for this article was sourced from [www.ntworksafe@nt.gov.au](mailto:www.ntworksafe@nt.gov.au).

Call: **1300 000 652** 