

Date 22-11-2013

Code TT-LO-102

## Truck fell sideways during tipping

### Description of the incident/accident

The driver went to the unloading place, parked the truck, and started tipping the silo. However, the driver did not use the supporting stamps. This caused the silo to become unstable during tipping, and eventually losing balance. As a result, the entire silo / chassis fell sideways, crashing two cars. Fortunately, there were no personal injuries. As the silo was closed during the incident, there was no product spill.

### Root cause

- Driver did not use the stamps, before tipping the silo. He forgot to do this
- The driver involved was an experienced driver, who has worked with this carrier for seven years driving bulk trucks. According to him there were no special circumstances influencing his behavior (distraction / tired / hurry / etc).

### Contributing causes:

Unloading circumstances were not ideal at the customer site:

- The unloading area was congested

- There was some slope at the unloading spot, to exit rainwater.
- No attendance from any customer operator during unloading.
- Single-push-button on the truck for tipping the silo
- No unloading checklist

### Learning Points:

- Install a technical device that will prevent tipping the silo when stamps are not used
- Install a technical device which will stop the tipping, when there is a certain degree of imbalance / tilt during tipping, caused by wind or irregularities in the unloading area / floor
- Inform all employees and adapt the training for new drivers
- Implement an unloading checklist
- Define and isolate a "safety area" around the truck while unloading. This will not avoid the accident but will decrease the possibility of getting somebody injured during the operation

