

SAFETY Alert



PREPARED BY: Corporate QHSE Dept.

N° 02/2019 Date: February 2019

OBJECT: BENDING MACHINE LIFTING

DESCRIPTION

Bending machines lifting during loading / unloading activity to/from the transport units is a particular and critical activity.

In one construction site, a bending machine was raised for the consequent loading to a lower bed trailer for transportation, using two sidebooms that were positioned at both ends of the equipment. The lifting was performed by means of metal wire rope connected to the equipment by their respective anchor points.

After lifting the bending machine few centimetres, the rear section of the bending machine tilts to the left. The supervisor notices the inclination and immediately stops the manoeuvre.



Lifting scheme

CONSEQUENCES

- Activity stopped and start of the Incident Investigation process;
- Stop of heavy equipment loading / unloading activities.

CAUSES

- Initial lifting plan not followed during the lifting;
- Inadequate risk perception / risk underestimated;
- Inadequate coordination by the operators at the beginning of the manoeuvre.

CORRECTIVE ACTIONS

Measures adopted in order to prevent the recurrence of a similar incident:

- Preparation of a lifting plan before all lifting activities;
- Before carrying out the lifting of loads that is not covered by a specific procedure and / or for non-routine lifting, always prepare a specific lifting plan for the activity - the plan shall consider the conditions and the specific lifting equipment of the activity;
- The lifting activity under a specific plan must be carried out according to the plan, without deviations - if a condition change, the change must be properly managed, evaluated, registered and approved;
- Identify in the project a competent person to elaborate and approve the lifting plans;
- Always ensure the presence of a banksman that continuously follow the operations;
- Identify the suitable lifting accessories and use them safely and correctly;
- Use specific trailers with suitable ramps that allow loading / unloading the machinery by pulling it and not by lifting it;
- Before proceeding with the lifting of a load, a test lift must be carried out in order to verify the balance of the suspended load;
- TBT to workers involved in heavy equipment loading / unloading activities.

RECEPTION BY THE PROJECT

WHICH ACTIONS IDENTIFIED TO BE IMPLEMENTED IN THE PROJECT:

Project Manager:

Signature:

HSE Project Manager:

Signature: