

# Fall from Height Incident



**Incident Date:** 21-Aug-11

**Incident Class:** LTI

**Rig Name:** GDI-4

**Person:** Crane Opr.

**Injury type:** Fracture

# Incident Details

At 22:00hrs, Rig operation was laying down drilling tools by crane. The crane was kept at standby and its top structure was swung out from the crane deck (refer picture).

Crane Operator (IP) came out from crane cabin to check the engine and while climbing onto the engine compartment, the IP slipped and fell to the ground.

X-ray showed fracture to the top of IP's right thigh bone.

# Picture 1: Crane position and rear steps when incident occurred.



IP fell to the ground from the first step as he tried to go to top of engine compartment

## Picture 2: Height of fall.



## Picture 3: Misalignment of step against the crane deck.



# Identified Incident Causes

## Immediate Causes:

- Slip.
- Lack of concentration.
- The steps leading to engine compartment was not aligned to main deck of the crane.

## Root Causes:

- Human error.
- Over-painting on checker plate steps reduced the slip resistance.
- No specific instructions in procedure for the alignment of crane when doing maintenance or when there is need to use the steps leading to engine compartment.

# Corrective Actions Taken

- ✓ Risk awareness training for Crane Operators and maintenance crews.
- ✓ Cascade safety alert and discuss at weekly safety meetings.
- ✓ Ensure anti skip are always maintained anti skid.
- ✓ Review and revise procedure to include section on correct positioning of crane before commencing any maintenance and ensure procedure is implemented by crew.
- ✓ Carry out engineering feasibility study on installing hand rails along the steps and the top of engine compartment and consult manufacturer for modification to prevent similar incident.



**THANK YOU**