



SAFETY ALERT

Title: Skidding of The Mobile Rig Carrier
Location: On Land Rig Movement
Loss/ Outcome: Damage to Rig Carrier and Other Equipment.

INCIDENT

After the route survey by the Multi-Disciplinary Team, mobile rig was on the move to the next location. After travelling some distance, the rig carrier fell/ skidded off from the road.

OBSERVATIONS

After the route survey by the MDT, consisting members of logistics, civil, electrical maintenance, land acquisition and well services, mobile rig was on the move to the next location. Rig carrier was being escorted by electrical team and was followed by another light vehicle. After travelling around 400 m, the rig carrier fell/ skidded off from the road to an adjacent ditch on the left hand side, which was around 30 feet deep. Following are the Observations:

- Route survey report was of very general nature. Specific location and quantum for the civil work was not mentioned.
- The road was narrow and curved at that point with trees on the right side and ditch on the left side.
- It was sunny on that particular day but it had rained in the preceding days.
- The hillock was mostly consisting of loose soil. The soil on the left edges of the road got unstable under heavy load leading to skidding of the rig carrier.
- Trees on the right hand side might have compelled the driver to steer towards the left to protect the mast, which was around 4m in front of the driver's cabin.
- The carrier skidded off the road on left side and slid around 30-40 feet deep ditch causing extensive damage to driver's cabin and other rig equipment.
- After reinforcing the road, cranes were deployed for lifting the rig carrier.
- Driver and his assistant got injury in left leg and collar bone respectively.

ROOT CAUSE

- Earlier the transportation of the rig was being done after dismantling the mast from the rig carrier and the mast was being transported separately. This practice was discontinued after collective decision was taken by the competent person(s) in view of enhancement of the rig life and saving of time. In other assets, which has similar rigs transportation is done after dismantling the rig mast.
- Detailed route survey was not carried out by the Multi-Disciplinary team.
- Some amount of misjudgement by the rig carrier driver can't be ruled out.

This Safety Alert is based on the Investigation report submitted by industry and published for information purpose only. This information should be evaluated to determine if it is applicable in your operations, to avoid recurrence of such incidents.

RECOMMENDATIONS

- Transportation of the Rig carrier should be carried out after dismantling the mast and mast to be transported separately.
- Detailed route survey should be conducted and recommendations to be complied before the commencement of the Rig carrier movement. The critical bends/ narrow roads to be identified in the survey and driver be sensitized about these spots.
- Designated driver should be a part of the route survey team.