



Learnings From Incident

REGEN Incident



2024 – REGEN Incident



Injury To Left Hand at Hydrogen Booster Compressor 17th May 2024

Summary of main causes

- ❑ The performance of 8 000 hours service on hydrogen booster compressor include the following:
 - ❖ removal of gudgeon pin,
 - ❖ Performance of cylinder measurement,
 - ❖ Plate removal in the two-compartment distance piece.
- ❑ The employee got injured while removing a bolt from threaded bar within the stuffing box and the two-compartment distance piece.
- ❑ One colleague inadvertently (accidentally) engaged an air valve from closed to open position, which energized the system and engaged a pump which resulted in a crank shaft movement.
- ❑ The piston moved and wedged the insured's hand between the crosshead resulting to an injury to the left hand.
- ❑ Emergency protocol was activated and Injured lost the left index finger.

Summary of main causes

- ❑ Safety Isolation:
 - ❖ There were no safety isolation of the air supply to the compressor.
 - ❖ It was not highlighted in the Task Risk Assessment (TRA).
 - ❖ Not indicated as applicable on Intrusive Form.

Investigation Actions (Prelim)

- ❑ Contractor to review and update the TRA and procedure for performing the 8 000 hour or Similar Service.
- ❑ Roles and responsibilities to be clearly defined – Supervisor / Assigned person to be responsible for operation of air supply.
- ❑ Lock-Out and Tag-Out of air supply to pump. When not required for service activity.
- ❑ Workers shall be trained on updated procedure.

Sketch (Photograph)

