



LTI: Fitter Injured By A Flying Actuator Component

Number	2021-06	Date	September 9 th , 2021
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Summary On September 2nd 2021, an incident occurred on an project located in Oslo, Norway. A fitter from an HZI subcontractor was injured when he was assigned as a watchman for an inspection in the flue gas duct.

A part of an actuator of a flue gas damper, which was located beside the IP flew out and hit his back at high speed.

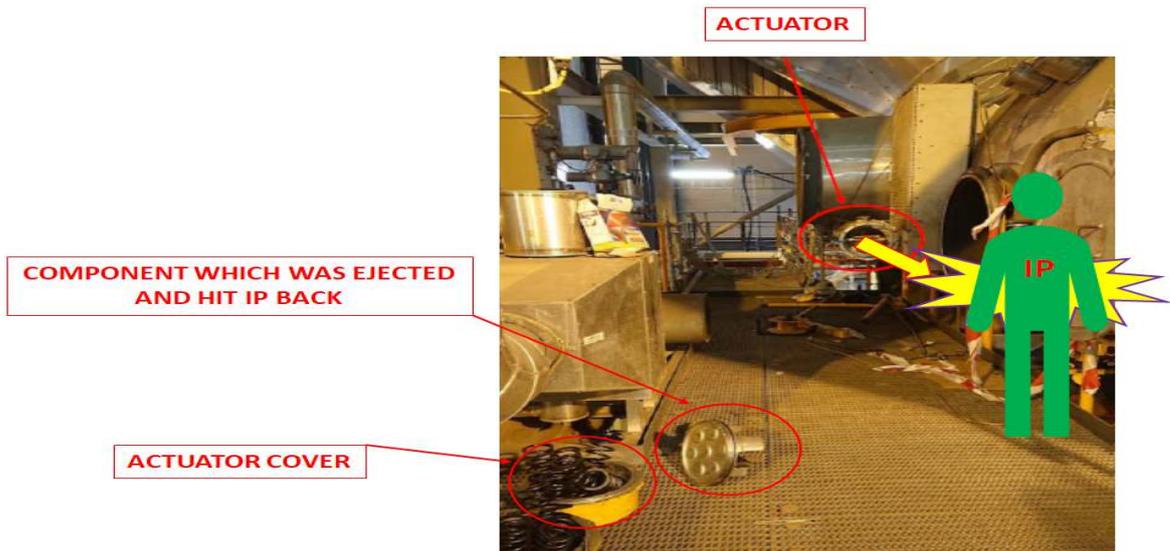
The actuator was pressurized with air at 8 bar and its cover had been removed earlier that day by another contractor also working for the Client.

Due to the pressure, the actuator component was suddenly ejected away and reached the fitter's back.

Outcomes: The IP suffered bruises and a hip dislocation which needed medical attention.

Incident Classification: LTI

Photos



Root Causes and Contributory Factors

- Lack of communication (between the different contractors working at site for the Client).
- Procedure not followed (actuator's Manufacturer recommends to remove the whole actuator and not to dismantle it).
- Procedure not implemented (isolation and LOTO not applied on the source of energy of the actuator).

Lesson Learned

- Daily coordination meetings with Client and all contractor to be held in order to identify and manage all simultaneous activities, which may create additional risk on the work-front of each of them. Discuss the outcomes during POWRA.
- Ensure that Manufactures recommendations are followed anytime and do not deviate from such instructions.
- Isolation / LOTO procedure to be implement any time on energized systems
- Share with Clients the Lesson Learned of this incident in order to implement the defined corrective actions.



Every Lesson Learned is an opportunity to avoid recurrences.
What have you done to avoid similar incident on your project?

