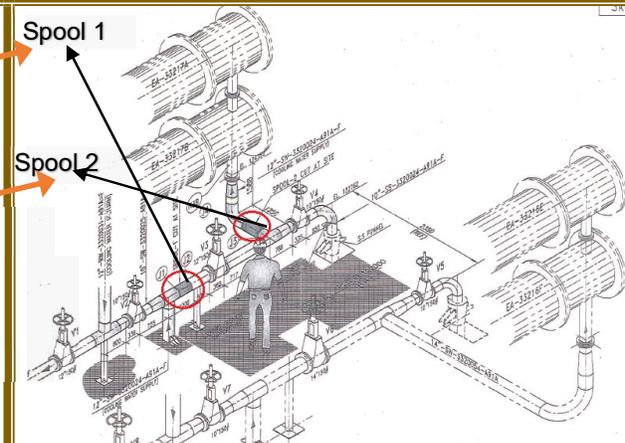
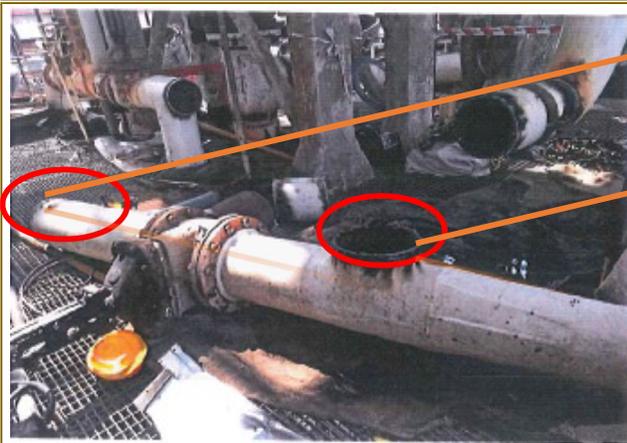


## SAFETY ALERT

**The Incident:** While cutting spool piece of Cooling Water Supply line of an exchanger for replacing the clamped leaking portion, pipe line along with two valves (12",150#) got tilted suddenly and gear box handle of one of the valves presumably hit a worker (grinder) who was standing near the valve. He lost his balance and fell on the adjacent line and sustained head injury. He later succumbed to his injuries.



**Observations:** (1) Spool piece-1 was cut one day before and face preparation job was under progress.

(2) Before cutting spool piece-2, a polypropylene rope of 12 mm dia. was tied to the main line to avoid flinging. Other end of rope was tied to the existing scaffolding pipe.

(3) As the spool piece-2 was gas cut to about 90% of the dia., the pipeline (weighing approx. one MT) got accidentally tilted.

(4) This imbalance of pipe tilting resulted in disconnection of rope from the scaffolding pipe and caused sudden shearing of the balance 10% pipe cross section, leading to tilting/ rotation of about 3 meters long pipe section (12" Dia.) along with two valves.

**Cause(s) of Incident:** (1) No proper rigging plan (2) Improper supervision (3) Simultaneous operations without proper risk assessment (4) Lack of knowledge of Job

**Recommendations:** (1) Job Plan including Rigging Plan should be reviewed by experienced person w.r.t. risk involved. (2) In case of simultaneous jobs at one location, proper risk assessment should be done and it is to be ensured that all the workers at that location know the possible risks of nearby ongoing jobs. (3) Proper supervision should be ensured.

**WORTH MENTION:** A crew were handling caissons (approx. 10 ton each) on an offshore installation. This was a routine operation. Weather conditions were acceptable to carry out the task. The work party consisted of a crane operator, a banksman and two load handlers. During

the operation, one load handler got trapped between two caissons and suffered fractured pelvis and internal bleeding, took 6 weeks to heal.

(For details click the video link given below)

## Check, are you working in the line of fire



What happened to those two workers (encircled)? Are they standing in the line of fire?

To find out: Download the safety moment from the link given below:

<https://www.stepchangeinsafety.net/safer-conversations/safety-alerts/safety-moment-line-fire-includes-film-clip>

This safety alert is based on the Investigation report submitted by industry and published for information purpose only

Industry members are requested to post 'Safety alerts' in above format to Devendra Mahajan, Joint Director, OISD at [mahajandm.oisd@gov.in](mailto:mahajandm.oisd@gov.in) to share across the Industry.