

NEAR MISS INCIDENT									
Definition	An incident (unplanned event) where no injury or damage occurred, but the potential for both was present. Example: FLT nearly knocked someone down.								
Dept	33	Team	54						
Machine	54								
Date	10/10/16	Time	02H30						
Description	54 work roll spalled while on roll stand.								
Agent Involved									
Slips and falls		Falling object	2	PPE					
Material handling		Unsafe position		Foreign body					
Fire/explosion	2	Moving machinery		SOP Compliance					
Other									
Proposed corrective action									
- Rolled covered with impact blankety - Ultrasonic testing on barrel check									
Reported by:	Kevin M. [Signature]								
BIA verification	(signature) [Signature]								
Note:	All near missed to be fully investigated using the SHE incident report form. This is to be submitted to the safety department.								

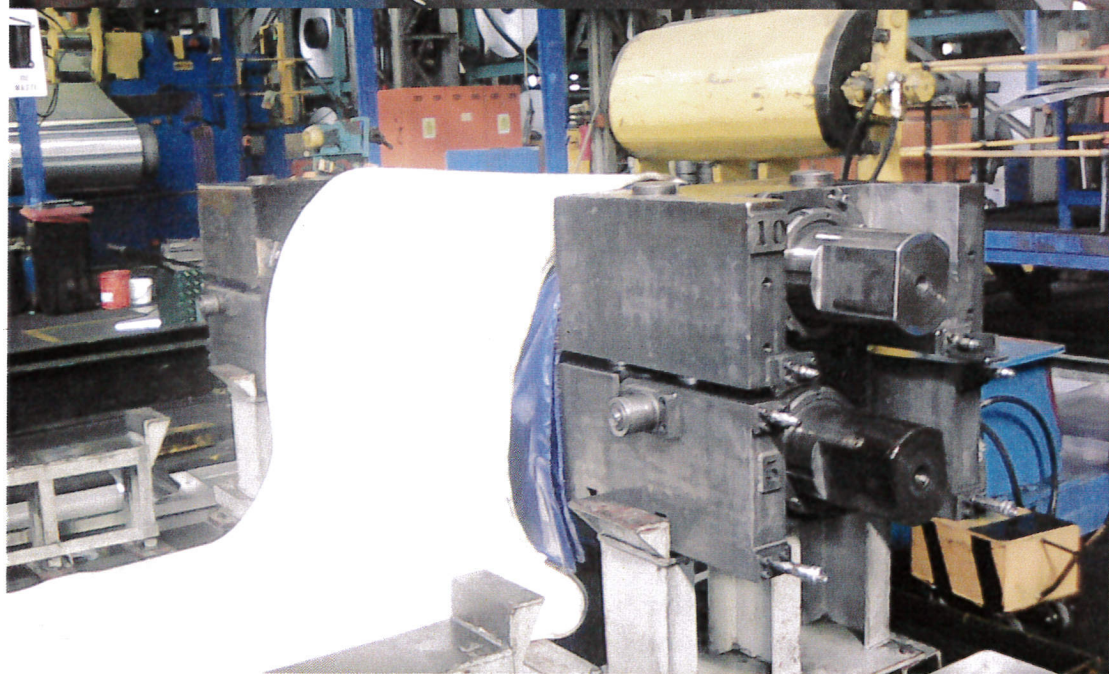
FULAMIN

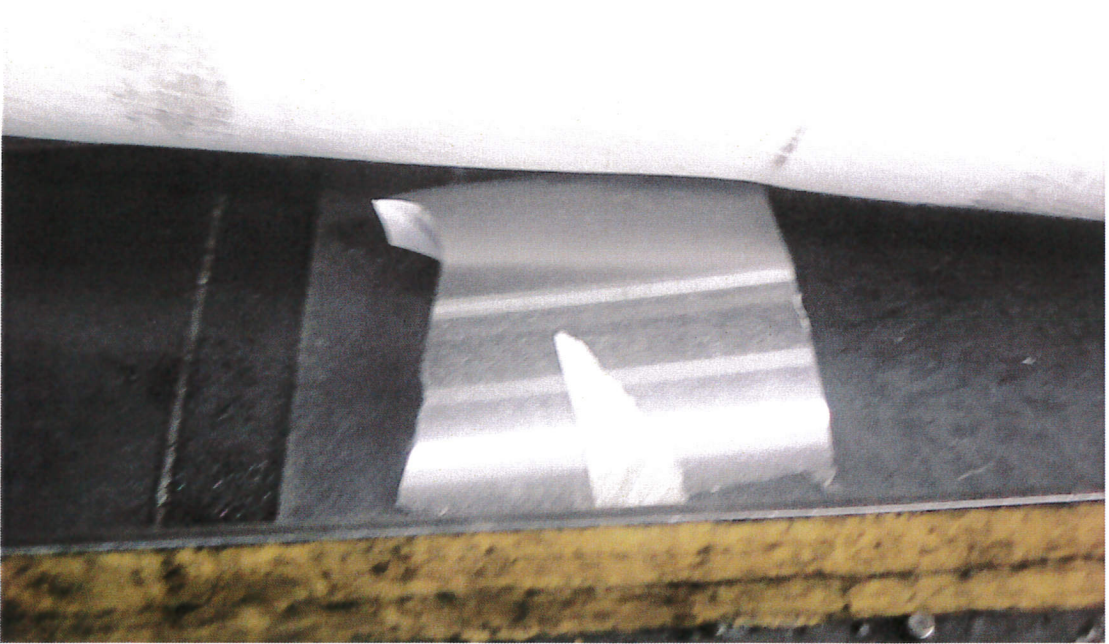
Ref. No: N^o 2000

SHE report: Rev 05 dated June 2012

SAFETY, HEALTH AND ENVIRONMENT INCIDENT REPORT

INCIDENT					
Type:	Safety: ☒	Health: ☐	Environment: ☐	Fire: ☐	Near Miss: ☐
Location: 54	Area: Rollstand	Section: 54	Roll Change Stand		
When:	Date: 11-10-2016	Time: 03:30	Team: Gunners		
Reported by:	A. Biechook SS20		SHE Rule breached ref: number		
PERSONAL INJURY					
Name:	Company Number:		Occupation:		
Time on present job:					
Nature of injury (e.g. cut):			Part of body injured:		
Object / material which caused injury:					
Was safety equipment used: Yes ☐ No ☐					
OCCUPATIONAL HEALTH					
What substance / chemical was the injured person exposed to: (short term exposure)					
What was the route of exposure:					
PROPERTY DAMAGE, FIRE, LOSS					
Equipment involved:		Rolls (work)		Machine number: 54	
Nature of damage, loss: Spalling on Roll					
Ignition sources present: (signs of smoking, electrical, friction, spontaneous combustion, static or flammables)					
Hot work activity present: (welding, cutting, grinding or lancing)					
Cause of damage, fire, loss: UNKNOWN					
Estimated cost of damage, loss etc: (Business interruption costs) N/A					
Forensic investigator required: (yes/no)					
ENVIRONMENTAL INCIDENT					
Type: (e.g. spill, emission)					
Person responsible for section:					
Type of contaminant (e.g. liquid solid-chemical, oil etc):					
Release of contaminant (e.g. slow, fast, spill, leak, burst pipe etc):					
Estimated quantity (m3, litres, kg):					
Potential environmental impact (e.g. air, soil, surface water, ground water):					
Action taken (e.g. soil excavated, clean-up contractor contacted, pollutant contained at source/on site):					
Estimated cost of incident (e.g. clean-up, remedial action etc):					
DESCRIPTION OF INCIDENT					
Roll was removed from mill at 20:20 and left on Roll Stand - at 03:30 roll shattered dispersing pieces of fragment around mill. Cause unknown - (spalling)					
INVESTIGATION OF INCIDENT (CAUSE - Complete the back page first, before determining the root causes)					
Roll spalled after 7hr while on roll storage stand. - Possible: manual defect / excessive roll load during Mill Run / Hairline crack on barrel.					
PREVENTIVE OF INCIDENT (CAUSE - Complete the back page first, before determining the root causes)					
- Refrain all on spalled roll PPE usage. - Ultrasonic testing on roll barrel.					
RESPONSIBLE PERSON: Kim Moody, / Gareth Middleton				TARGET DATE: 11/10/16.	
INVESTIGATED BY:		Name: Kim Moody	Signature: [Signature]	Date: 11/10/16.	
INJURED PERSON:		Name:	Signature:	Date:	
SIGNED BY MANAGEMENT:		Name:	Signature:	Date:	
NOTE: Once Management has signed the incident investigation, then this is an indication that the Manager agrees with the cause and preventive action FAC, MTC & LTI need to be discussed and minuted in the departmental SHE meeting and confirm the completion target date.					









Safety Alert: HPI - Spalled roll
 Department Name: Cold Mill
 Date and Time: 11/10/16 @ 03h30.

Machine Centre: S4
 Document Reference: Dec 2015 Rev 0.1

Brief description of Incident

Details of Incident

On Tuesday 11 October 2016 at 03h30 there was an HPI recorded at S4 .A set of rolls had been removed at S4 for normal planned roll change. The removed roll was stored on the Roll stand as per procedure at 20h20 on the 10/10/16.At 03h30 this morning the S4 operators noticed that the roll started to fragment. Chunks from the roll were beginning to break away from the roll.

The S4 operators then notified the Rollshop team to attend to the disintegrating Roll. Full PPE kit (bomb suits) were worn by the teams who attended to the defective roll.

Double layers of impact blankets & additional felt were used to wrap the defective roll. The area was deemed safe for normal operation to continue. An Incident form was completed & the Incident was escalated to the S4 & Roll shop coordinators as soon as the event occurred.No injuries were recorded.

Possible Cause:

1. Hairline crack in the barrel of the roll - difficult to detect with the naked eye.
2. Possible excessive roll load during the campaign run.
3. Possible manufacturer defect.

Immediate Preventions: (Short term actions)

- 1) Damaged roll was moved & adequately protected to prevent shrapnel dispersing.
2. Need to inspect the roll to determine probable causes for disintegration.
3. Unlikely occurrence at S4 Mill - need an RCA to understand what contributed to the roll disintegrating.

SHE rules (applicable to the incident): Safety fundamentals

The following fundamentals are embedded in each of these rules:

- 1.To wear appropriate personal protective equipment at all times.
 Employees involved in risk mitigation knew the risks associated with spalled rolls & wore the full PPE kit designed for spalled rolls.
- 2.To know what to do in an emergency.
 Well communicated between the teams on shift - correct escalation & reporting procedure followed.

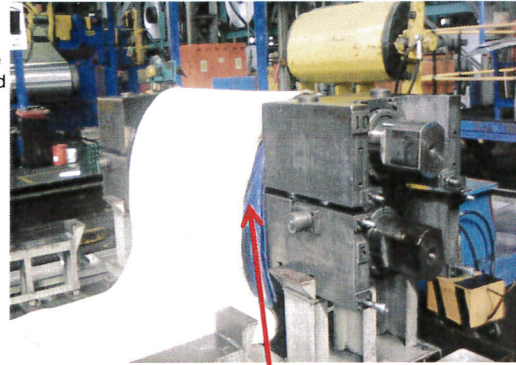
SHE rules breached:

none.

Learning's from Incident:

1. Currently ultrasonic testing is done on S6 rolls to detect journal hairline cracks.
2. Engage with other stake holders to determine if ultrasonic testing can be done on the Roll barrel.
3. Engage a broader team from all rollshops to mitigate risks associated with spalled rolls
4. Ensure all Mill operators & rollshop employees are issued with spalled roll PPE.
5. All Mill operators & rollshop employees to be trained on SOP for handling spalled rolls.

Investigation Team : Kevin/Yougan/Garth/Lindi/Anesh/Gonnie/



Spalled Roll correctly covered with felt & impact blankets



Broken off pieces from the actual roll

