



INSPECTION DEPARTMENT
South main tower expansion joint . ME 3.
DATE: 08/10/11.

◀ Inspection Record Sheet:- BC. 06/ MSSE. 08/10/11. PLATE ME 3.		
Subject :- Demag plate set removal	Location. South east main tower. ME 3.	
Pre & Post removal Dimensional Checks		
Pre-removal Checks		
Task	Yes	No
* Record top side clearance gaps as identified on survey sht 2 of 4	✓	
* Mismatch between adjacent plates, rocker ME 2 – N. 2mm . S. 3mm	✓	
rocker ME 4 - N. 4mm . S. 5mm	✓	
Slide plate No. 1 ME 2 - 4 mm Centre	✓	
Slide plate No.1 ME 4 - 2 mm Centre	✓	
Tongue plate ME 2 - 11mm . S. 15mm	✓	
Tongue plate ME 4 - 9mm . S. 9mm	✓	
* Spring lengths:- rocker plate:- 150mm	✓	
* Spring lengths:- tongue plate:- east. 82 mm West. 82mm	✓	
Mismatch between adjacent plates	✓	
Main span end trimmer & rocker plate:- east. 2mm west. 4mm		
Post Removal Checks		
Task	Yes	No
Slide plate cam radius:-		✓
* Bush wall thickness: (5)3-4mm (6) 3-4mm (7) 0-4mm(8) 0-4mm	✓	
(9) 2-4mm(10) 0-4mm(11)0-4mm (12)0-4mm(13) 0-4mm(14)0-4mm	✓	
*Radius girder wear plate thickness:- As per drawing.		✓
* Tongue plate radius length:- As per drawing.		✓
* Tongue plate end thickness:- Worn to nothing	✓	
Remedial & Completion Checks		
Task	Yes	No
* Top side clearance gaps (complete sht 3 of 4)	✓	
* Pins and bushes replaced:- No pins or bushes replaced .		✓
*Springs and pins replaced:- No springs or pins replaced .		✓
* Spring lengths:- rocker plate:- 150 mm		
*Spring lengths:- tongue plate:- east. 82 mm west. 82 mm		
* Complete comment sheet 4 of 4 (if required)		
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Note. : Bush wall thickness range is on External and Internal. Both Inspected and sizes recorded.



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Pre-removal Dimensional Checks	

N/T		Bitumen Plate	N/T	SOUTH.
1mm		Tongue Plate	2mm	
EAST	Slide Plate No.5			
	12mm	17mm		
Slide Plate No.4		0.5mm		WEST
17mm		1mm		
Slide Plate No.3		End of		
Slide Plate No.2		Tongue Plate		
Slide Plate No.1		7mm		
Rocker Plate		6mm		
11mm		6mm		
11mm		8mm		
49mm		6mm		
49mm		10mm		
1mm		8mm		NORTH.

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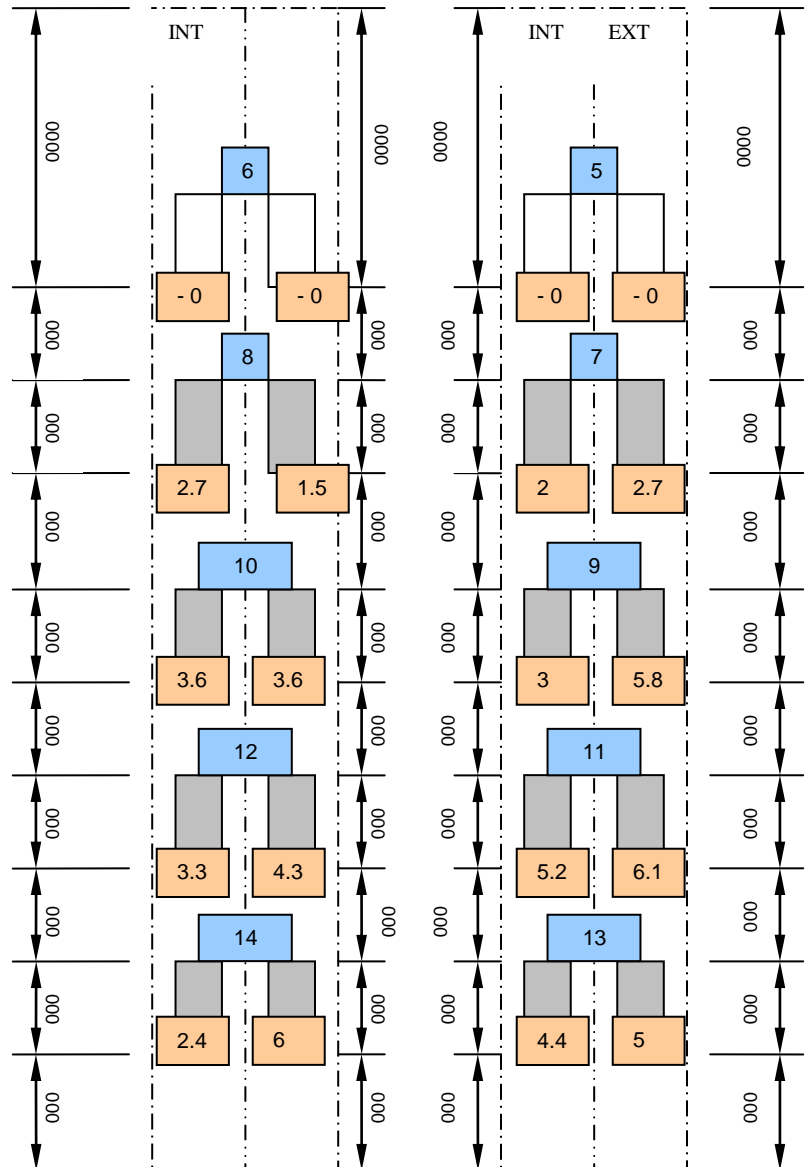
Inspection Record Sheet:- BC. 06/ MSSE. 08/10/11. PLATE ME 3.

Subject:- Demag Plate Set Removal

Location:- South East main tower. ME.3.

Pin No.	Internal Dia.	External Dia.
5	39mm	39mm
Bush Thkns	Top	3mm
	Bottom	4mm
	North	4mm
	South	3mm
Pin No.	Internal Dia.	External Dia.
6	39mm	39mm
Bush Thkns	Top	4mm
	Bottom	4mm
	North	3mm
	South	4mm
Pin No.	Internal Dia.	External Dia.
7	39mm	39mm
Bush Thkns	Top	3mm
	Bottom	2mm
	North	2mm
	South	0mm
Pin No.	Internal Dia.	External Dia.
8	39mm	39mm
Bush Thkns	Top	3mm
	Bottom	1mm
	North	0mm
	South	3mm
Pin No.	Internal Dia.	External Dia.
9	39mm	39mm
Bush Thkns	Top	2mm
	Bottom	4mm
	North	2mm
	South	3mm
Pin No.	Internal Dia.	External Dia.
10	39mm	39mm
Bush Thkns	Top	1mm
	Bottom	3mm
	North	0mm
	South	2mm
Pin No.	Internal Dia.	External Dia.
11	39mm	39mm
Bush Thkns	Top	3mm
	Bottom	0mm
	North	0mm
	South	0mm
Pin No.	Internal Dia.	External Dia.
12	39mm	39mm
Bush Thkns	Top	0mm
	Bottom	3mm
	North	0mm
	South	3mm

Pin No.	Internal Dia.	External Dia.
13	39mm	39mm
Bush Thkns	Top	1mm
	Bottom	2mm
	North	0mm
	South	3mm
Pin No.	Internal Dia.	External Dia.
14	39mm	39mm
Bush Thkns	Top	1mm
	Bottom	0mm
	North	0mm
	South	0mm



Radius girder wear down locations and
Depression sizes are shown in mm.

* No sizes taken of wear-down distances on radius arm girder.
East or WEST

 DENOTES DEPTH OF WEAR



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Post Inspection Dimensional Checks	

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