

South 32 Marradong - Primary

Conveyor Name/No.: OLC

Splice XX-YY

Installation Date **7-Feb-12**

Belt Width (mm) **1400**

Date Last Tested **18-Aug-20**

Temperature **17**

Calibration Thickness **21**

Velocity **1601**

Original Belt Thickness (mm) **21.5**

Belt Spec. **ST3500**

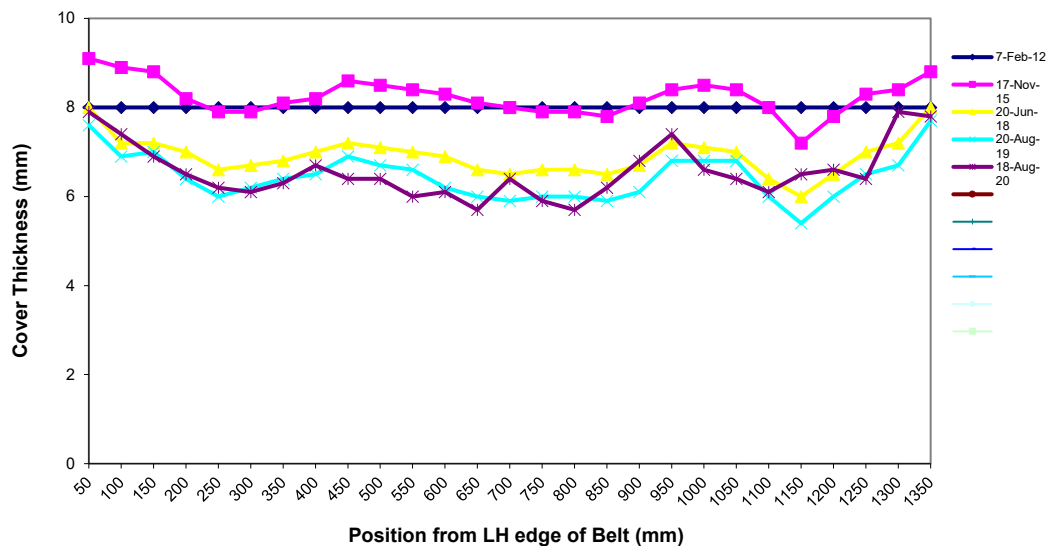
Orig. Top Cover Thickness (mm) **8.0**

Original Bottom Cover Thickness (mm) **6.0**

Position Tested **2m before Splice 25**

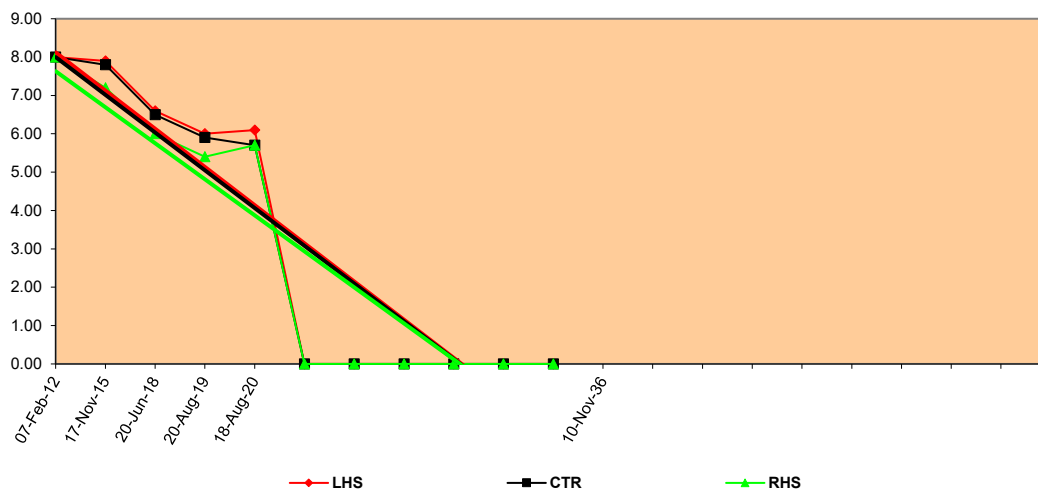
Number Inspections / Year **1**

Top Cover



Minimum Top Cover [mm] **5.4** at location **1150mm**

Analysis of Minimum Top Cover Readings



Nominated Change-out Thickness **4.0** mm

Forecasted Date to Nominated Thickness **08-Dec-24**

Forecasted Date to Reach 3mm **02-Nov-27**

Forecasted Date to Reach 1mm **21-Nov-32**

Worst Case Wear Rates [mm / Month]

Interval **0.05mm/month** at location **1150mm**

Life **0.02mm/month** at location **1150mm**

Belt life based on interval wear rate **04-Feb-22**

Belt life based on life wear rate **06-Oct-41**

Splice XX-YY

Lengths on
Belt Map are a

[Comments](#)

Top Cover

Bot Cover

Location: Primary

Installation Date	7-Feb-12	Belt Width (mm)	1400
Date Last Tested	18-Aug-20	Temperature	17
Calibration Thickness	21	Velocity	1601
Original Belt Thickness (mm)	21.5	Belt Spec.	ST3500
Orig. Top Cover Thickness (mm)	8.0	Original Bottom Cover Thickness (mm)	6.0
Position Tested	2m before Splice 25	Number Inspections / Year	1

3D surface plot showing Cover Thickness (mm) on the vertical axis (0 to 10) versus Position from LH edge of Belt (mm) on the horizontal axis (50 to 1350). The plot displays multiple layers representing different dates, with a legend on the right indicating the dates: 18-Aug-20, 20-Aug-19, 20-Jun-18, 17-Nov-15, and 7-Feb-12. The surface shows significant variation in thickness across the position, with peaks and valleys.

Minimum Top Cover [mm] **5.4** at location **1150mm**

Date	RHS	CTR	LHS
07-Feb-12	24.0	16.0	8.0
11-Nov-15	23.0	15.5	8.0
20-Jun-18	19.0	13.0	6.5
20-Aug-19	17.5	11.5	6.0
18-Aug-20	17.5	11.5	6.0
18-Aug-21	0.0	0.0	0.0
18-Sep-21	0.0	0.0	0.0
18-Oct-21	0.0	0.0	0.0
18-Nov-21	0.0	0.0	0.0
18-Dec-21	0.0	0.0	0.0
18-Jan-22	0.0	0.0	0.0
18-Feb-22	0.0	0.0	0.0
18-Mar-22	0.0	0.0	0.0
18-Apr-22	0.0	0.0	0.0
18-May-22	0.0	0.0	0.0
18-Jun-22	0.0	0.0	0.0
18-Jul-22	0.0	0.0	0.0
18-Aug-22	0.0	0.0	0.0

Nominated Change-out Thickness	4.0	mm	Forecasted Date to Nominated Thickness	08-Dec-24
Forecasted Date to Reach 3mm	02-Nov-27		Forecasted Date to Reach 1mm	21-Nov-32
Worst Case Wear Rates [mm / Month]				
Interval	0.05mm/month	at location	1150mm	Life
				0.02mm/month at location 1150mm
Belt life based on insp. interval wear rate			04-Feb-22	Belt life based on total life wear rate
				06-Oct-41

ice 2m before Splice 25

**Lengths on
Belt Map are a
guide ONLY!**

Top Cover		Bot Cover	
LHS	minor skirt wear	LHS	good
CTR	pitting and gouging	CTR	good
RHS	heavy skirt wear	RHS	good
LHS Edge	good	RHS Edge	good
Splice dimpling at abutment joints			

Previous Test Results

 OLC						Velocity =		1601			
						Tested By =		Chris			
						Cal Thickness =		21.2			
						Temp =		17			
Top Cover											
	INSTALLED	FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH	SEVENTH	EIGHTH	NINTH	TENTH
Distance from LHS	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL	ACTUAL
Date	7-Feb-12	17-Nov-15	20-Jun-18	20-Aug-19	18-Aug-20						
50	8.00	9.10	8.00	7.60	7.90						
100	8.00	8.90	7.20	6.90	7.40						
150	8.00	8.80	7.20	7.00	6.90						
200	8.00	8.20	7.00	6.40	6.50						
250	8.00	7.90	6.60	6.00	6.20						
300	8.00	7.90	6.70	6.20	6.10						
350	8.00	8.10	6.80	6.40	6.30						
400	8.00	8.20	7.00	6.50	6.70						
450	8.00	8.60	7.20	6.90	6.40						
500	8.00	8.50	7.10	6.70	6.40						
550	8.00	8.40	7.00	6.60	6.00						
600	8.00	8.30	6.90	6.20	6.10						
650	8.00	8.10	6.60	6.00	5.70						
700	8.00	8.00	6.50	5.90	6.40						
750	8.00	7.90	6.60	6.00	5.90						
800	8.00	7.90	6.60	6.00	5.70						
850	8.00	7.80	6.50	5.90	6.20						
900	8.00	8.10	6.70	6.10	6.80						
950	8.00	8.40	7.20	6.80	7.40						
1000	8.00	8.50	7.10	6.80	6.60						
1050	8.00	8.40	7.00	6.80	6.40						
1100	8.00	8.00	6.40	6.00	6.10						
1150	8.00	7.20	6.00	5.40	6.50						1150
1200	8.00	7.80	6.50	6.00	6.60						
1250	8.00	8.30	7.00	6.50	6.40						
1300	8.00	8.40	7.20	6.70	7.90						
1350	8.00	8.80	8.00	7.70	7.80						
											1150