

South 32 Marradong - Primary

Conveyor Name/No.: OLC

Splice XX-YY

Installation Date

7-Feb-12

Date Last Tested

18-Aug-20

Calibration Thickness

22

Temperature

17

Original Belt Thickness (mm)

21.5

Velocity

1615

Orig. Top Cover Thickness (mm)

8.0

Belt Spec. ST3500

Original Bottom Cover Thickness (mm)

6.0

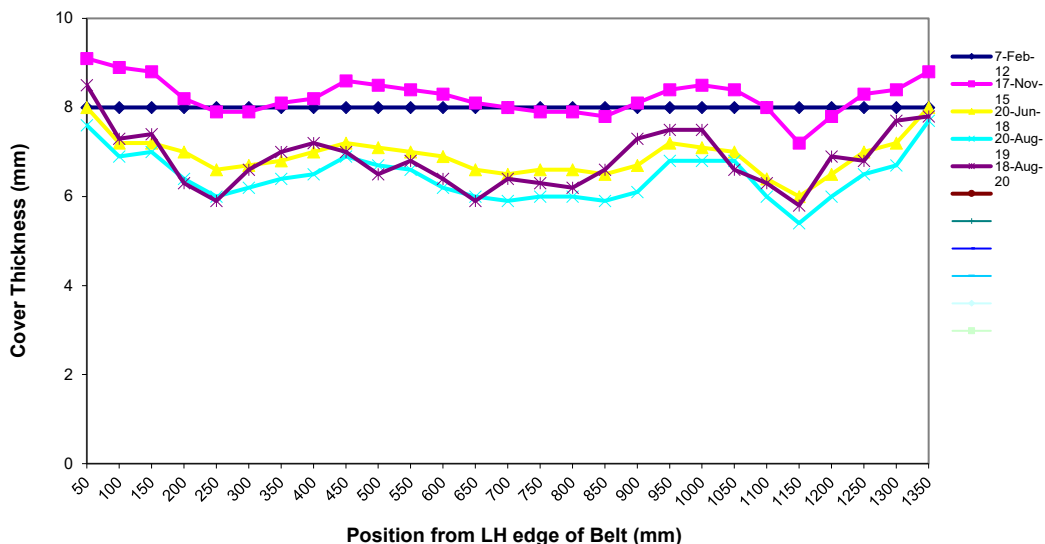
Position Tested

2m after Splice 4

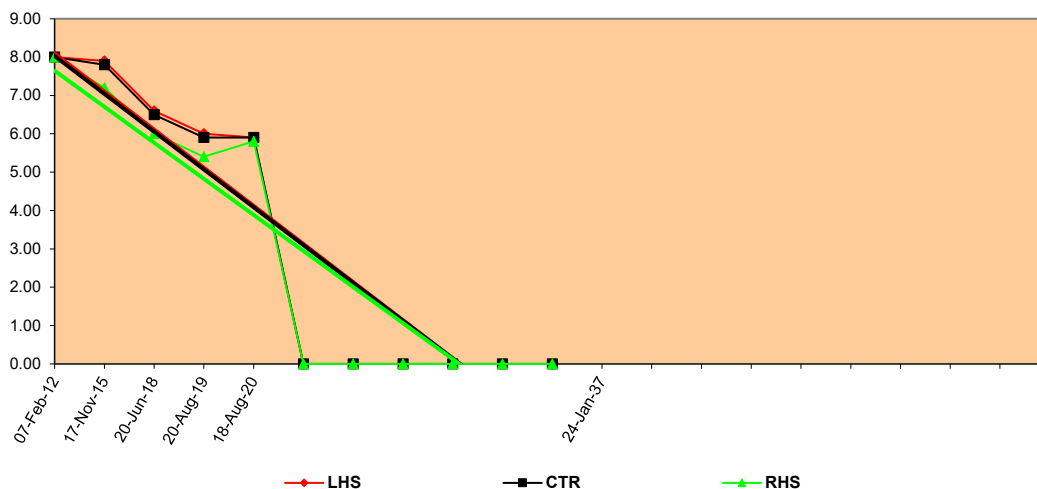
Number Inspections / Year

1

Top Cover



Analysis of Minimum Top Cover Readings



Nominated Change-out Thickness

4.0 mm

Forecasted Date to Nominated Thickness

21-Nov-24

Forecasted Date to Reach 3mm

25-Oct-20

Forecasted Date to Reach 1mm

22-Feb-22

Worst Case Wear Rates [mm / Month]

Interval

0.02mm/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

04-Feb-22

Splice XX-YY

Lengths on
Belt Map are a

[Comments](#)

Top Cover

Bot Cover

Location: Primary

Belt Width (mm)	1400
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A 3D surface plot showing the cover thickness (mm) on the vertical axis (0 to 10) against the position from the LH edge of the belt (mm) on the horizontal axis (50 to 1350) and time on the depth axis. The plot displays the evolution of the cover thickness over time for six different dates: 18-Aug-20, 20-Aug-19, 20-Jun-18, 17-Nov-15, and 7-Feb-12. The surface shows a general decrease in thickness over time, with a prominent ridge of higher thickness (up to 10 mm) visible in the earlier dates, which gradually erodes and shifts towards the right as time progresses.

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	5.8
18-Aug-20	17.5	11.5	5.8
01-Sep-20	0.0	0.0	0.0
01-Oct-20	0.0	0.0	0.0
01-Nov-20	0.0	0.0	0.0
01-Dec-20	0.0	0.0	0.0
01-Jan-21	0.0	0.0	0.0
01-Feb-21	0.0	0.0	0.0
01-Mar-21	0.0	0.0	0.0
01-Apr-21	0.0	0.0	0.0
01-May-21	0.0	0.0	0.0
01-Jun-21	0.0	0.0	0.0
01-Jul-21	0.0	0.0	0.0
01-Aug-21	0.0	0.0	0.0

Belt life based on total life wear rate 04-Feb-22

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			

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

Previous Test Results

 OLC						Velocity =		1615			
						Tested By =		Chris			
						Cal Thickness =		21.5			
						Temp =		17.3			
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	8.50						
100	8.00	8.90	7.20	6.90	7.30						
150	8.00	8.80	7.20	7.00	7.40						
200	8.00	8.20	7.00	6.40	6.30						
250	8.00	7.90	6.60	6.00	5.90						
300	8.00	7.90	6.70	6.20	6.60						
350	8.00	8.10	6.80	6.40	7.00						
400	8.00	8.20	7.00	6.50	7.20						
450	8.00	8.60	7.20	6.90	7.00						
500	8.00	8.50	7.10	6.70	6.50						
550	8.00	8.40	7.00	6.60	6.80						
600	8.00	8.30	6.90	6.20	6.40						
650	8.00	8.10	6.60	6.00	5.90						
700	8.00	8.00	6.50	5.90	6.40						
750	8.00	7.90	6.60	6.00	6.30						
800	8.00	7.90	6.60	6.00	6.20						
850	8.00	7.80	6.50	5.90	6.60						
900	8.00	8.10	6.70	6.10	7.30						
950	8.00	8.40	7.20	6.80	7.50						
1000	8.00	8.50	7.10	6.80	7.50						
1050	8.00	8.40	7.00	6.80	6.60						
1100	8.00	8.00	6.40	6.00	6.30						
1150	8.00	7.20	6.00	5.40	5.80						1150
1200	8.00	7.80	6.50	6.00	6.90						
1250	8.00	8.30	7.00	6.50	6.80						
1300	8.00	8.40	7.20	6.70	7.70						
1350	8.00	8.80	8.00	7.70	7.80						
											1150