

South 32 Marradong - Primary

Conveyor Name/No.: OLC

Splice XX-YY

Installation Date

7-Feb-12

Date Last Tested

18-Aug-20

Calibration Thickness

21

Temperature

19

Original Belt Thickness (mm)

21.5

Velocity

1601

Orig. Top Cover Thickness (mm)

8.0

Belt Spec. ST3500

Original Bottom Cover Thickness (mm)

6.0

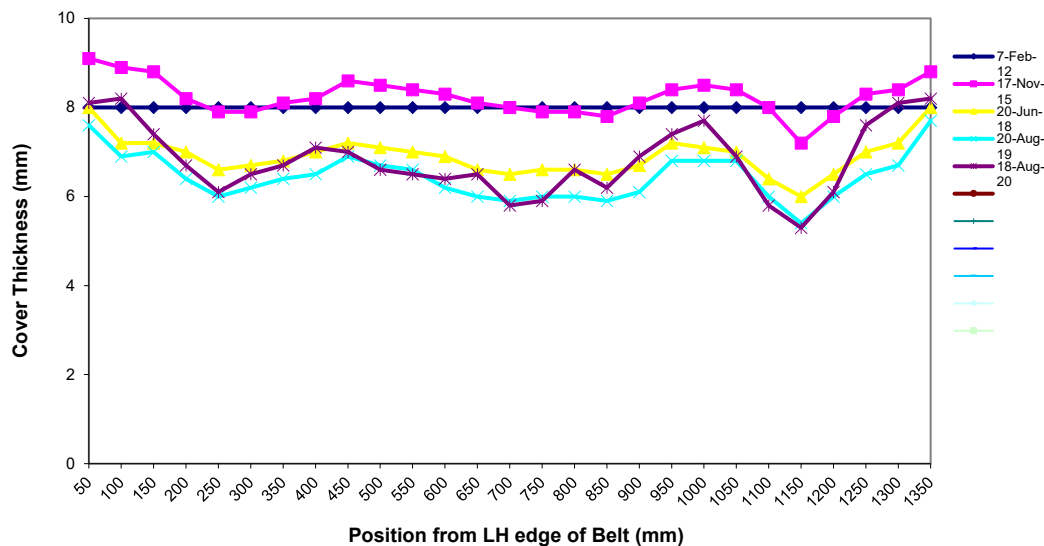
Position Tested

2m after splice NN4

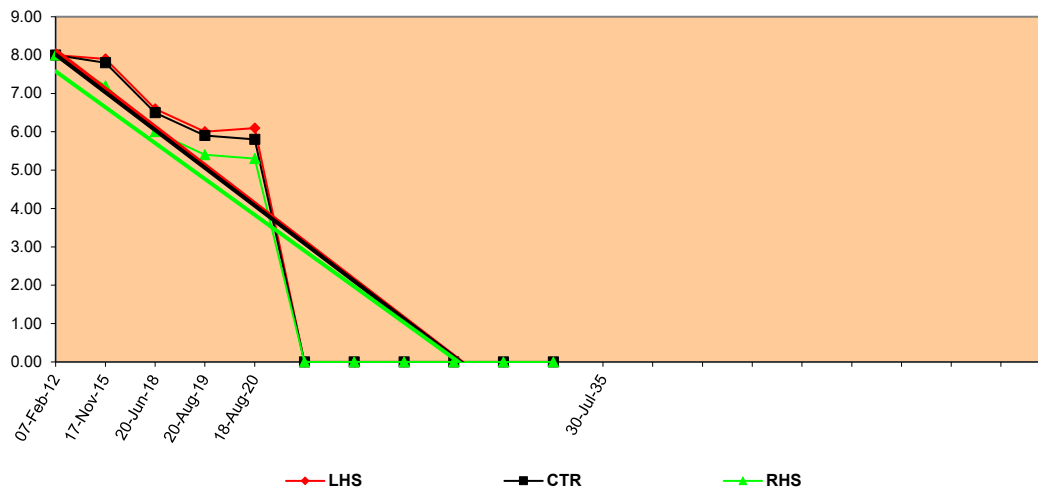
Number Inspections / Year

1

Top Cover



Analysis of Minimum Top Cover Readings



Nominated Change-out Thickness

4.0 mm

Forecasted Date to Nominated Thickness

08-Jun-23

Forecasted Date to Reach 3mm

08-Jan-25

Forecasted Date to Reach 1mm

12-Mar-28

Worst Case Wear Rates [mm / Month]

Interval

0.02mm/month

at location 1150mm

Life

0mm/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

Number Inspections / Year	1
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3D surface plot showing Cover Thickness (mm) versus Position from LH edge of Belt (mm). The plot displays the thickness of the cover material across a range of positions (50 to 1350 mm) for several dates: 18-Aug-20, 20-Aug-19, 20-Jun-18, 17-Nov-15, and 7-Feb-12. The thickness generally ranges from 0 to 10 mm, with significant variations in the profile.

Minimum Top Cover [mm] **5.3** 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	17.0	12.0	6.0
18-Aug-20	0.0	0.0	0.0
18-Sep-20	0.0	0.0	0.0
18-Oct-20	0.0	0.0	0.0
18-Nov-20	0.0	0.0	0.0
18-Dec-20	0.0	0.0	0.0
18-Jan-21	0.0	0.0	0.0
18-Feb-21	0.0	0.0	0.0
18-Mar-21	0.0	0.0	0.0
18-Apr-21	0.0	0.0	0.0
18-May-21	0.0	0.0	0.0
18-Jun-21	0.0	0.0	0.0
18-Jul-21	0.0	0.0	0.0
18-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 =		1601			
						Tested By =		David			
						Cal Thickness =		20.8			
						Temp =		19			
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	8.10						
100	8.00	8.90	7.20	6.90	8.20						
150	8.00	8.80	7.20	7.00	7.40						
200	8.00	8.20	7.00	6.40	6.70						
250	8.00	7.90	6.60	6.00	6.10						
300	8.00	7.90	6.70	6.20	6.50						
350	8.00	8.10	6.80	6.40	6.70						
400	8.00	8.20	7.00	6.50	7.10						
450	8.00	8.60	7.20	6.90	7.00						
500	8.00	8.50	7.10	6.70	6.60						
550	8.00	8.40	7.00	6.60	6.50						
600	8.00	8.30	6.90	6.20	6.40						
650	8.00	8.10	6.60	6.00	6.50						
700	8.00	8.00	6.50	5.90	5.80						
750	8.00	7.90	6.60	6.00	5.90						
800	8.00	7.90	6.60	6.00	6.60						
850	8.00	7.80	6.50	5.90	6.20						
900	8.00	8.10	6.70	6.10	6.90						
950	8.00	8.40	7.20	6.80	7.40						
1000	8.00	8.50	7.10	6.80	7.70						
1050	8.00	8.40	7.00	6.80	6.90						
1100	8.00	8.00	6.40	6.00	5.80						
1150	8.00	7.20	6.00	5.40	5.30						1150
1200	8.00	7.80	6.50	6.00	6.10						
1250	8.00	8.30	7.00	6.50	7.60						
1300	8.00	8.40	7.20	6.70	8.10						
1350	8.00	8.80	8.00	7.70	8.20						
											1150