

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 **22**

Velocity **1615**

Original Belt Thickness (mm) **21.5**

Belt Spec. **ST3500**

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

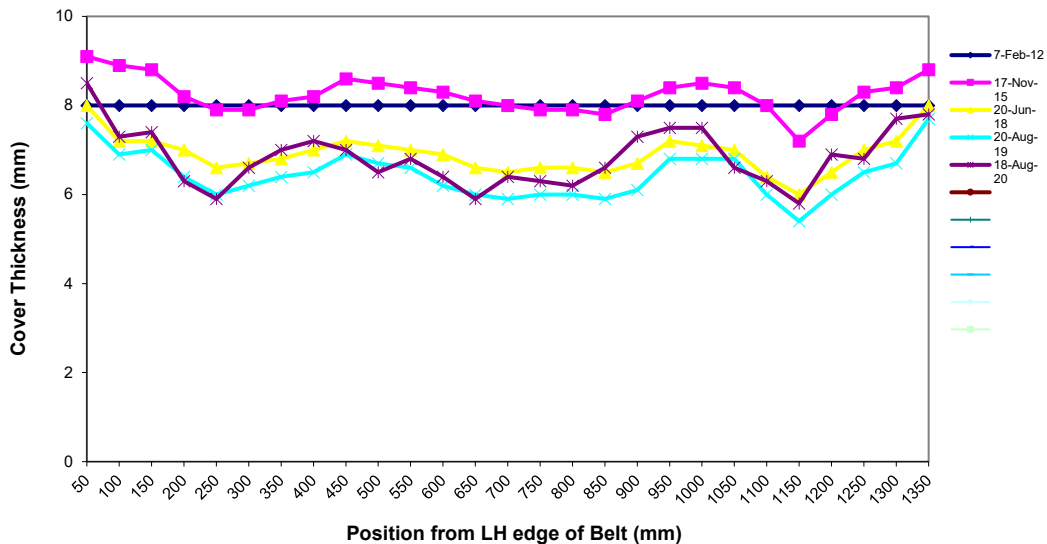
Original Bottom Cover Thickness (mm) **6.0**

Position Tested **2m before Splice 4**

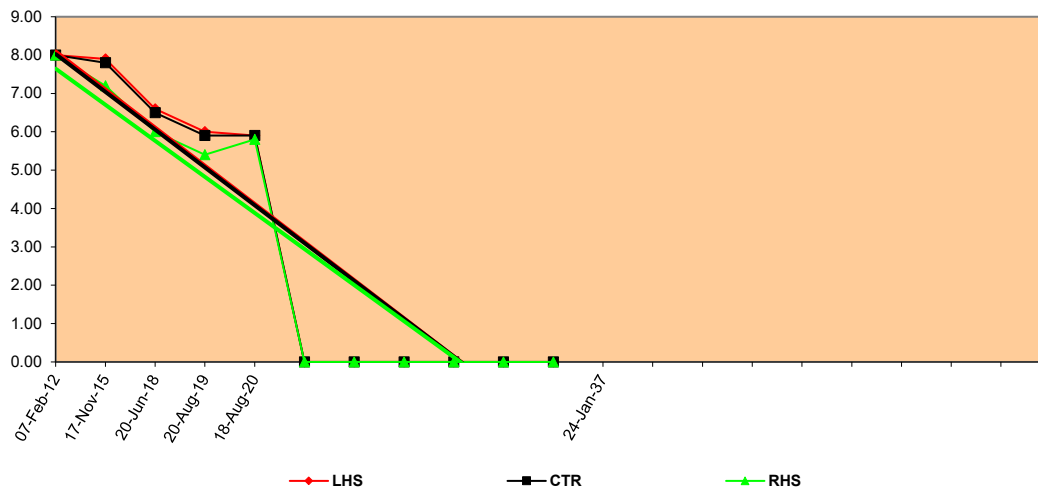
Number Inspections / Year **1**

Manufacturer
IMAS
UAR Covers
21096 M

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

Installation Date	7-Feb-12	Belt Width (mm)	1400
Date Last Tested	18-Aug-20	Temperature	17
Calibration Thickness	22	Velocity	1615
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 4	Number Inspections / Year	1

A 3D surface plot showing the cover thickness (mm) on the vertical axis (ranging from 0 to 10) against the position from the LH edge of the belt (mm) on the horizontal axis (ranging from 50 to 1350) and time on the depth axis. The plot displays the evolution of the cover thickness over time for seven different dates: 18-Aug-20, 20-Aug-19, 20-Jun-18, 17-Nov-15, and 7-Feb-12. The surface is colored with a gradient from dark purple (higher thickness) to light yellow (lower thickness). The plot shows a general trend of decreasing cover thickness over time, with significant local variations and a prominent ridge-like feature near the 1350 mm position.

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

The graph displays the number of cases for three categories: RHS (green triangles), CTR (black squares), and LHS (red diamonds). The y-axis represents the number of cases, ranging from 0.00 to 30.00. The x-axis shows dates from February 2012 to August 2020. All three series show a sharp decline to zero by August 2020.

Date	RHS	CTR	LHS
07-Feb-12	24.00	16.00	8.00
11-Nov-15	23.00	15.50	8.00
20-Jun-18	19.00	13.00	6.50
20-Aug-19	17.00	11.50	6.00
18-Aug-20	17.50	11.50	6.00
01-Sep-20	0.00	0.00	0.00
01-Oct-20	0.00	0.00	0.00
01-Nov-20	0.00	0.00	0.00
01-Dec-20	0.00	0.00	0.00
01-Jan-21	0.00	0.00	0.00
01-Feb-21	0.00	0.00	0.00
01-Mar-21	0.00	0.00	0.00
01-Apr-21	0.00	0.00	0.00
01-May-21	0.00	0.00	0.00
01-Jun-21	0.00	0.00	0.00
01-Jul-21	0.00	0.00	0.00
01-Aug-21	0.00	0.00	0.00

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
Belt life based on insp. interval wear rate	04-Feb-22		Belt life based on total life wear rate	04-Feb-22

Comments			
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