

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 **13.5**

Calibration Thickness **21**

Velocity **1634**

Original Belt Thickness (mm) **21.5**

Belt Spec. **ST3500**

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

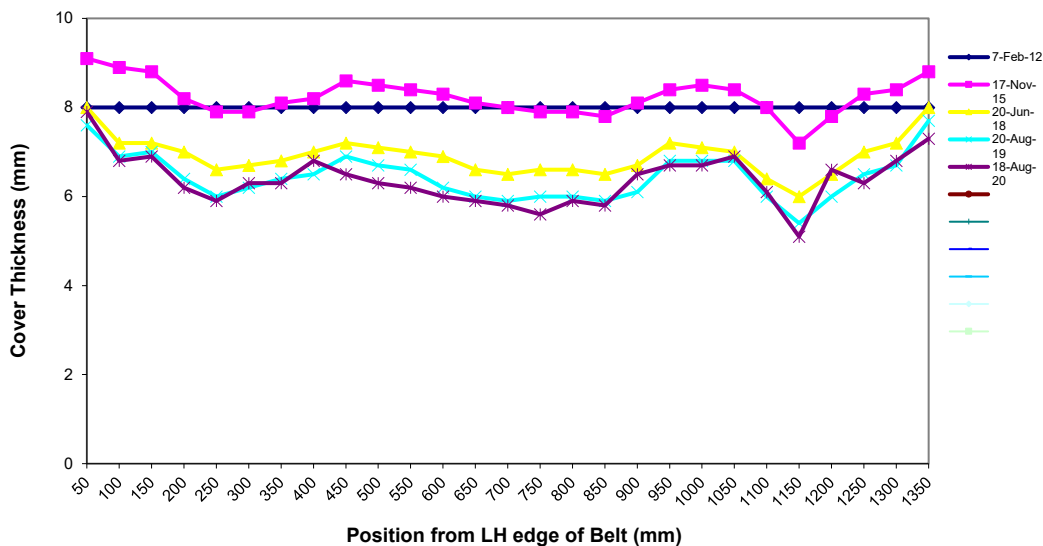
Original Bottom Cover Thickness (mm) **6.0**

Position Tested **2m after Splice 36**

Number Inspections / Year **1**

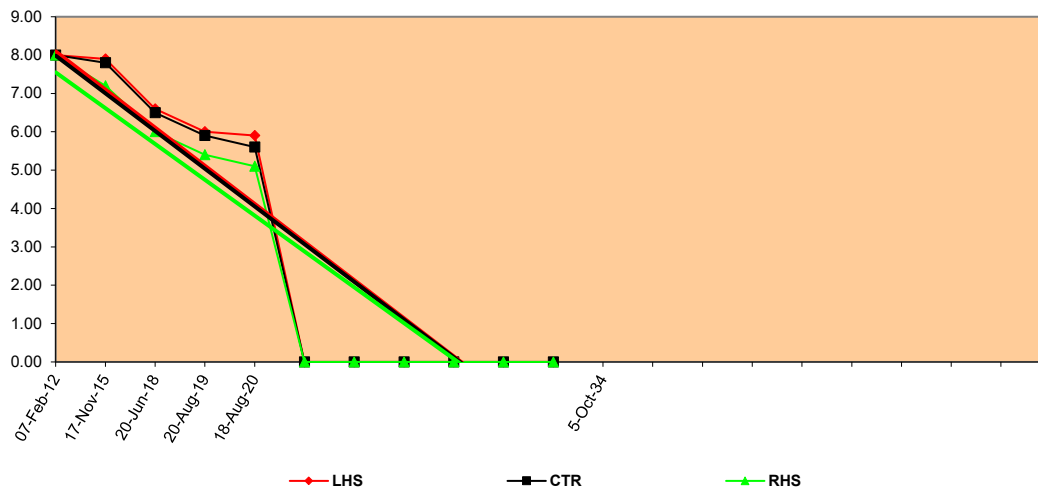
Manufacturer
IMAS
UAR Covers
21096 M

Top Cover



Minimum Top Cover [mm] **5.1** at location **1150mm**

Analysis of Minimum Top Cover Readings



Nominated Change-out Thickness **4.0** mm

Forecasted Date to Nominated Thickness **09-Oct-23**

Forecasted Date to Reach 3mm **08-Jul-26**

Forecasted Date to Reach 1mm **05-Jan-32**

Worst Case Wear Rates [mm / Month]

Interval **0.03mm/month** at location **1150mm**

Life **0.03mm/month** at location **1150mm**

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

Belt life based on life wear rate **18-Aug-35**

Splice XX-YY

Lengths on
Belt Map are a

Comments	Top Cover	Bot Cover
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Location: Primary

Number Inspections / Year	1
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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 specific dates: 18-Aug-20, 20-Aug-19, 20-Jun-18, 17-Nov-15, and 7-Feb-12. The surface shows a general trend of decreasing thickness from left to right, with a significant dip around 1150 mm position. The legend on the right indicates the dates corresponding to the different colored surfaces.

Minimum Top Cover [mm] **5.1** at location **1150mm**

The graph displays three metrics over time: RPS (green triangles), CTR (black squares), and LHS (red diamonds). The y-axis ranges from 0.00 to 30.00. All metrics show a sharp decline starting around June 20, 2018, reaching zero by August 18, 2020.

Date	RPS	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	16.50	11.00	6.00
Subsequent dates	0.00	0.00	0.00

Belt life based on total life wear rate 18-Aug-35

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 =		1634		
							Tested By =		Chris		
							Cal Thickness =		21.2		
							Temp =		13.5		
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	6.80						
150	8.00	8.80	7.20	7.00	6.90						
200	8.00	8.20	7.00	6.40	6.20						
250	8.00	7.90	6.60	6.00	5.90						
300	8.00	7.90	6.70	6.20	6.30						
350	8.00	8.10	6.80	6.40	6.30						
400	8.00	8.20	7.00	6.50	6.80						
450	8.00	8.60	7.20	6.90	6.50						
500	8.00	8.50	7.10	6.70	6.30						
550	8.00	8.40	7.00	6.60	6.20						
600	8.00	8.30	6.90	6.20	6.00						
650	8.00	8.10	6.60	6.00	5.90						
700	8.00	8.00	6.50	5.90	5.80						
750	8.00	7.90	6.60	6.00	5.60						
800	8.00	7.90	6.60	6.00	5.90						
850	8.00	7.80	6.50	5.90	5.80						
900	8.00	8.10	6.70	6.10	6.50						
950	8.00	8.40	7.20	6.80	6.70						
1000	8.00	8.50	7.10	6.80	6.70						
1050	8.00	8.40	7.00	6.80	6.90						
1100	8.00	8.00	6.40	6.00	6.10						
1150	8.00	7.20	6.00	5.40	5.10						1150
1200	8.00	7.80	6.50	6.00	6.60						
1250	8.00	8.30	7.00	6.50	6.30						
1300	8.00	8.40	7.20	6.70	6.80						
1350	8.00	8.80	8.00	7.70	7.30						
											1150