

## 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 **12**

Calibration Thickness **21**

Velocity **1625**

Original Belt Thickness (mm) **21.5**

Belt Spec. **ST3500**

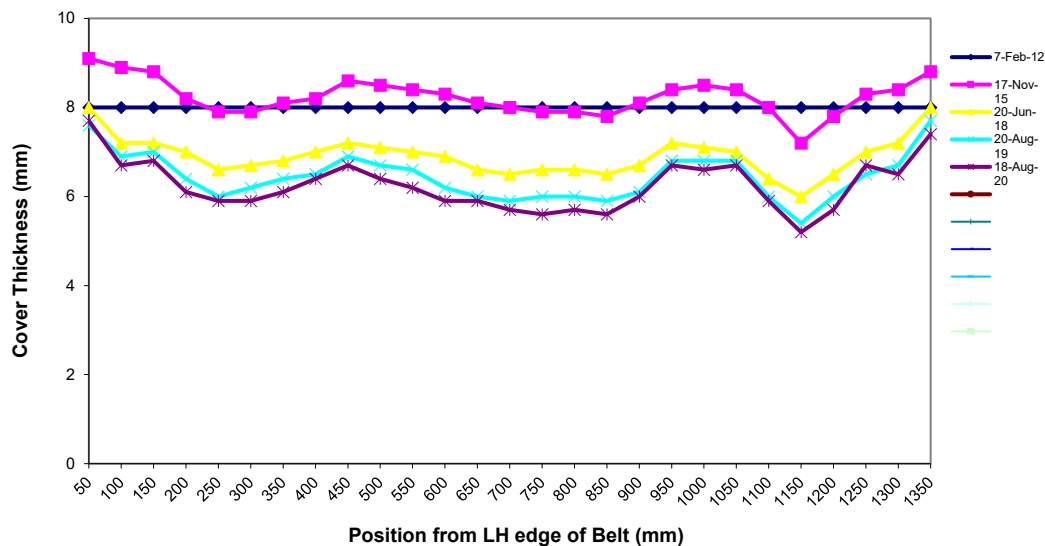
Orig. Top Cover Thickness (mm) **8.0**

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

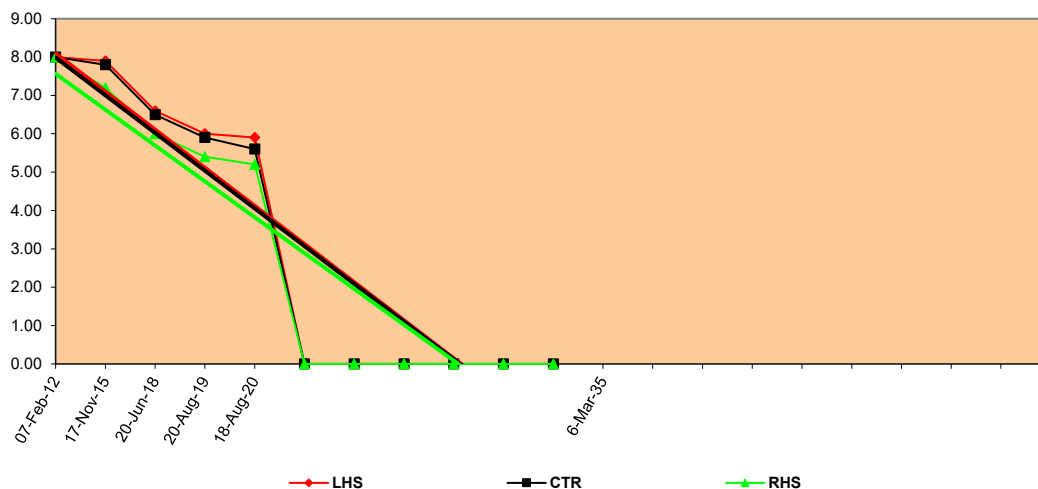
Position Tested **2m before Splice 34**

Number Inspections / Year **1**

### Top Cover



### Analysis of Minimum Top Cover Readings



Nominated Change-out Thickness **4.0** mm

Forecasted Date to Nominated Thickness **17-Dec-23**

Forecasted Date to Reach 3mm **06-Oct-26**

Forecasted Date to Reach 1mm **16-May-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 **20-Jun-36**

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                          | 12     |
| Calibration Thickness          | 21                  | Velocity                             | 1625   |
| 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 34 | Number Inspections / Year            | 1      |

3D surface plot showing Cover Thickness (mm) versus Position from LH edge of Belt (mm). The plot displays multiple data series corresponding to different dates, as indicated by the legend:

- 18-Aug-20
- 20-Aug-19
- 20-Jun-18
- 17-Nov-15
- 7-Feb-12

The Y-axis represents Cover Thickness (mm), ranging from 0 to 10. The X-axis represents Position from LH edge of Belt (mm), ranging from 50 to 1350. The Z-axis represents the date.

Minimum Top Cover [mm] **5.2** at location **1150mm**

[illegible]

|                                             |              |             |                                        |                                         |
|---------------------------------------------|--------------|-------------|----------------------------------------|-----------------------------------------|
| Nominated Change-out Thickness              | 4.0          | mm          | Forecasted Date to Nominated Thickness | 17-Dec-23                               |
| Forecasted Date to Reach 3mm                | 06-Oct-26    |             | Forecasted Date to Reach 1mm           | 16-May-32                               |
| <b>Worst Case Wear Rates [mm / Month]</b>   |              |             |                                        |                                         |
| Interval                                    | 0.03mm/month | at location | 1150mm                                 | Life                                    |
|                                             |              |             |                                        | 0.03mm/month at location 1150mm         |
| Belt life based on insp. interval wear rate |              |             | 04-Feb-22                              | Belt life based on total life wear rate |
|                                             |              |             |                                        | 20-Jun-36                               |

ice 2m before Splice 34

**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

|                                                                                                            |           |           |           |           |           |        |                 |         |        |        |        |
|------------------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|-----------|--------|-----------------|---------|--------|--------|--------|
| <div></div> <div>OLC</div> |           |           |           |           |           |        | Velocity =      |         | 1625   |        |        |
|                                                                                                            |           |           |           |           |           |        | Tested By =     |         | Chris  |        |        |
|                                                                                                            |           |           |           |           |           |        | Cal Thickness = |         | 21.1   |        |        |
|                                                                                                            |           |           |           |           |           |        | Temp =          |         | 11.7   |        |        |
| 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      | 7.70      |        |                 |         |        |        |        |
| 100                                                                                                        | 8.00      | 8.90      | 7.20      | 6.90      | 6.70      |        |                 |         |        |        |        |
| 150                                                                                                        | 8.00      | 8.80      | 7.20      | 7.00      | 6.80      |        |                 |         |        |        |        |
| 200                                                                                                        | 8.00      | 8.20      | 7.00      | 6.40      | 6.10      |        |                 |         |        |        |        |
| 250                                                                                                        | 8.00      | 7.90      | 6.60      | 6.00      | 5.90      |        |                 |         |        |        |        |
| 300                                                                                                        | 8.00      | 7.90      | 6.70      | 6.20      | 5.90      |        |                 |         |        |        |        |
| 350                                                                                                        | 8.00      | 8.10      | 6.80      | 6.40      | 6.10      |        |                 |         |        |        |        |
| 400                                                                                                        | 8.00      | 8.20      | 7.00      | 6.50      | 6.40      |        |                 |         |        |        |        |
| 450                                                                                                        | 8.00      | 8.60      | 7.20      | 6.90      | 6.70      |        |                 |         |        |        |        |
| 500                                                                                                        | 8.00      | 8.50      | 7.10      | 6.70      | 6.40      |        |                 |         |        |        |        |
| 550                                                                                                        | 8.00      | 8.40      | 7.00      | 6.60      | 6.20      |        |                 |         |        |        |        |
| 600                                                                                                        | 8.00      | 8.30      | 6.90      | 6.20      | 5.90      |        |                 |         |        |        |        |
| 650                                                                                                        | 8.00      | 8.10      | 6.60      | 6.00      | 5.90      |        |                 |         |        |        |        |
| 700                                                                                                        | 8.00      | 8.00      | 6.50      | 5.90      | 5.70      |        |                 |         |        |        |        |
| 750                                                                                                        | 8.00      | 7.90      | 6.60      | 6.00      | 5.60      |        |                 |         |        |        |        |
| 800                                                                                                        | 8.00      | 7.90      | 6.60      | 6.00      | 5.70      |        |                 |         |        |        |        |
| 850                                                                                                        | 8.00      | 7.80      | 6.50      | 5.90      | 5.60      |        |                 |         |        |        |        |
| 900                                                                                                        | 8.00      | 8.10      | 6.70      | 6.10      | 6.00      |        |                 |         |        |        |        |
| 950                                                                                                        | 8.00      | 8.40      | 7.20      | 6.80      | 6.70      |        |                 |         |        |        |        |
| 1000                                                                                                       | 8.00      | 8.50      | 7.10      | 6.80      | 6.60      |        |                 |         |        |        |        |
| 1050                                                                                                       | 8.00      | 8.40      | 7.00      | 6.80      | 6.70      |        |                 |         |        |        |        |
| 1100                                                                                                       | 8.00      | 8.00      | 6.40      | 6.00      | 5.90      |        |                 |         |        |        |        |
| 1150                                                                                                       | 8.00      | 7.20      | 6.00      | 5.40      | 5.20      |        |                 |         |        |        | 1150   |
| 1200                                                                                                       | 8.00      | 7.80      | 6.50      | 6.00      | 5.70      |        |                 |         |        |        |        |
| 1250                                                                                                       | 8.00      | 8.30      | 7.00      | 6.50      | 6.70      |        |                 |         |        |        |        |
| 1300                                                                                                       | 8.00      | 8.40      | 7.20      | 6.70      | 6.50      |        |                 |         |        |        |        |
| 1350                                                                                                       | 8.00      | 8.80      | 8.00      | 7.70      | 7.40      |        |                 |         |        |        |        |
|                                                                                                            |           |           |           |           |           |        |                 |         |        |        | 1150   |