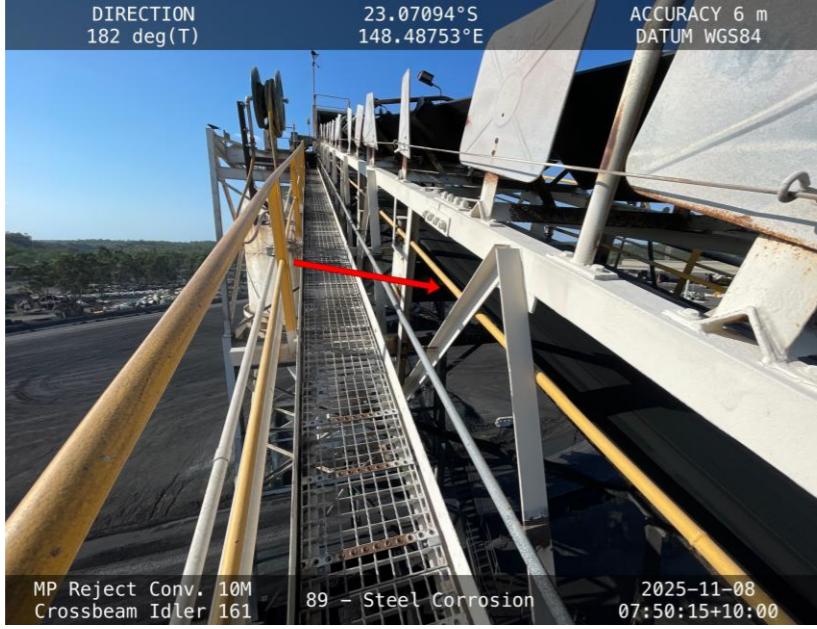


| DEFECT NUMBER | OC47.06 (Prev. 89) | EQUIPMENT | KPCV10 - MP Reject Conveyor 10M | FACILITY | Oaky Creek Open Cut | | |
|--|--|--|---|--|---|--|--|
| DEFECT CATEGORY | Structural | COMPONENT | Steel Beam | INSPECTED BY | Eduard Hernandez | | |
| DEFECT TYPE | Steel Corrosion | LOCATION | Crossbeam near Idler 161 | DATE | 08-11-2025 | | |
| Description of Structural Integrity Issue | Severe through-section corrosion has occurred on the crossbeam near Idler 161 on MP Reject Conveyor 10M. The defect presents as advanced material loss with multiple perforations, compromising both the web and flange of the structural member. | | | | | | |
| Structural Risk Assessment: | Potential Incident: If not fixed, the crossbeam may fail, leading to a failure of the conveyor system. This could cause injuries to workers and disrupt operations significantly. | Structural Failure Mechanism: The corrosion weakens the beam, increasing the risk of bending and shear failure under load. | Risk Assessment: | Consequence: 3-Moderate. This rating is based on Financial impact: \$5M to \$50M operating profit \$1M to \$5M property damage \$5M to \$25M asset devaluation | Likelihood B - Likely - May occur about once per year. | | |
| | | | | Required Action: Planned Corrective Action | | | |
| Previous Audit Result for Defect: | Significant material build up on beams and contacting return idler which may present a fire hazard. Minor corrosion on cross beam. | | | | | | |
| Corrective Action: | 1. Remove all debris and coal buildup from the crossbeam. 2. Sandblast the affected area to remove corrosion. 3. Weld a reinforcement plate over the damaged section. 4. Replace any severely damaged sections of the beam if necessary. 5. Apply a protective coating to the repaired area to prevent future corrosion. | | | | | | |
| Photos: |  <p>DIRECTION 182 deg(T) 23.07094°S 148.48753°E ACCURACY 6 m DATUM WGS84 MP Reject Conv. 10M Crossbeam Idler 161 89 - Steel Corrosion 2025-11-08 07:50:15+10:00</p> | |  <p>DIRECTION 215 deg(T) 23.07090°S 148.48753°E ACCURACY 4 m DATUM WGS84 MP Reject Conv. 10M Crossbeam Idler 161 89 - Steel Corrosion 2025-11-08 07:50:25+10:00</p> | |  <p>DIRECTION 222 deg(T) 23.07093°S 148.48750°E ACCURACY 4 m DATUM WGS84 MP Reject Conv. 10M Crossbeam Idler 161 89 - Steel Corrosion 2025-11-08 07:51:33+10:00</p> | | |