

Transnet Port Terminals

Durban Container Terminal

Pier 1



Document Title

Trolley Wheel Skimming Scope of Work

Project Title

Skimming four Trolley Wheels STS cranes QC02 at Pier 1 Container Terminal

1. Authorization Signatures

Compiled by



Siyabonga Mdluli
Technical Supervisor

Date: 23.03.2025

Approved by



Sibonelo Buthelezi
Technical Manager: Cranes

Date: 23.03.2025

Transnet Port Terminals	SOW Skimming Trolley Wheels	Durban Container Terminal Pier 1
-------------------------	---------------------------------------	-------------------------------------

1. Scope Background

Durban Container Terminal Pier 1 utilizes Liebherr Ship to Shore Cranes (STS) for their container operations. Liebherr STS's crane QC02 is slowly becoming unsafe for use due to the worn trolley wheels that are touching at the Hinge Point which needs to be corrected.

2. Scope of Works

Note: The approved contractor shall perform the job according to the provided scope of work. Please note that any deviations from the scope must be discussed and approved by the project leader before work can commence. Any work done by the contractor is subject to be inspection by Transnet and incompetent practice shall be disapproved.

2.1 Objective of Scope

The objective of this scope of works is for contractor to access and carry out repairs on STS Crane QC02 Trolley, bringing it to acceptable OEM standard.

2.2 Work to Be Conducted

- Carry out full evaluation of all four Trolley Wheels Dimensions
- Derive an action plan on each wheel per the dimensions
- Jack Main Trolley both sided per the lifting design
- Remove access trolley platforms
- Install Suitable Turing gear as required to skim one at a time
- Only wheel flanges required to be skimmed 5mm
- Take measurements frequently to ensure all wheels correspond
- Remove all gear & replace trolley platform
- Repaint affected areas [all sides] adequately both under & topcoat Jotun products
- Test Crane

3. Safety

It is the responsibility of the contractor to ensure that the team working on site conduct work in a safe manner. All team members will be required to wear safety harnesses when working at heights and in high-risk areas. It is the responsibility of the contractor to ensure that all personnel are trained to work at heights and are comfortable in doing so.

4. Inclusions

Transnet Port Terminals will provide the following:

- a. Access permits to the site
- b. Safety induction for contractors on site
- c. Access to service hoist

Transnet Port Terminals	SOW Skimming Trolley Wheels	Durban Container Terminal Pier 1
-------------------------	---------------------------------------	-------------------------------------

5. Exclusions

Transnet Port Terminals will not provide the following:

- a. Labour shall be at the contractor's expense
- b. All costs, including transportation, shall be at the contractor's expense.
- c. All power tools required for the installation must be provided by the supplier
- d. All scaffolding and lifting equipment for the installation must be provided by the supplier

6. Quality Control

As a minimum, the following standards must be complied with:

Quality Management (Transnet Standard)	EEAM-Q-009
Corrosion protection	EEAM-Q-008
Structural steel work	EEAM-Q-006
Painting	OEM Standard
Commissioning And Handover Specification for Supplier/Construction	EEAM-Q-013

Transnet Port Terminals reserves the right to inspect the Trolley Wheels to ensure that workmanship is of Transnet's standards.

7. Evaluation Criteria

Please refer to the evaluation criteria. It is the responsibility of the bidder to go through the evaluation criteria and submit all relevant documentation. Please note that if a bidder does not meet the minimum eligibility criteria, the bid will be disqualified.

Transnet Port Terminals	SOW Skimming Trolley Wheels	Durban Container Terminal Pier 1
-------------------------	---------------------------------------	-------------------------------------