

Provision to align the STS Crane Main trolley as a once off process

Works Information

Site:Cape Town Container Terminal

1. PROJECT OVERVIEW

1.1 Introduction

Transnet Port Terminals, Cape Town Container Terminal (CTCT) is a containerised operation (importing and exporting various cargo) consisting of various lifting equipment namely: Straddle Carriers (SC), Rubber Tyred Gantry (RTG), Ship-to-Shop Cranes (STS), Reach Stackers (RS), Empty Container Handlers (ECH) as well as offloading equipment of various cargos namely; Haulers (MAFI and TERBERG), Tractors and Trailers etc. CTCT. One of the STS Cranes, LC9 has a challenge of the main trolley being misaligned, Which causes the trolley to run skew against the rail. Giving rise to resistance to motion and which gives rise to current drawn by the trolley motors, causing it to cut off when trolleying.

1.2 Objective:

The purpose of this scope of work is to request a service for the alignment of STS Crane main trolley of LC9.

1.3 The scope

This scope of work defines the requirements for the alignment work to be carried out on Liebherr STS crane LC9 at Cape Town Container Terminal (CTCT) in order to ensure the main trolley runs straight, and that the crane work optimally.

1.4 The following are the required tasks to be done

- 1.4.1 Lift the main trolley of the STS Crane
- 1.4.2 Remove the shimming spacer on the right rear outer side of the trolley wheel assembly
- 1.4.3 Insert the shimming spacer on the right rear inner side of the trolley wheel assembly
- 1.4.4 Remove the shimming spacer on the left rear inner side of the trolley wheel assembly
- 1.4.5 Insert the shimming spacer on the left rear outer side of the trolley wheel assembly
- 1.4.6 Lower the trolley from the jacks
- 1.4.7 Ensure that all four (4) trolley wheels run clear off the rail along the entire length of the trolley travel.

2.3 Technical Requirements

- 2.3.1 3 Years experience in repair work of Liebherr STS Cranes, rail mounted equipment or marine equipment.
- 2.3.2 Suitably qualified personnel with relevant trade certificates, qualified Fitters or Millwrights.

3 GENERAL SAFETY AND COMPLIANCE SPECIFICATIONS

3.1 Compulsory Returnable Document

The following document is a compulsory returnable document for service providers that conduct any physical work on-site to SHERQ:

- 4.1.1 SHE File that complies with **TPT SHERQ-RS PRO 027 TPT SHERQ** Service Provider Specifications Procedure.