

## **SERVICE AND MAINTAIN FORKLIFT-H501**

**Site:**  
National Ports Authority

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## **1. SITE LOCATION**

The work is to be completed at the Workshop, Port of Cape Town or Service provider Premises where required. Service Provider will report at Mechanical Maintenance Department.

## **2. PURPOSE**

The purpose of this work scope is to procure services from an external Service Provider to Repair and Service Forklift - H 501

## **3. OBJECTIVES**

To eliminate the risk of a catastrophic failure of the Forklift by performing required preventative maintenance.

Transnet's objectives are to achieve completion of the work whilst still maintaining the highest quality and safety standards and minimizing disruptions to on-going port operations. Emphasis is placed on Transnet's commitment to safety and their objective of Zero Harm and achieving an incident-free removal and refurbishment process.

Emphasis is placed on Transnet's commitment to safety, Zero Harm, and achieving an incident-free environment during the removal and refurbishment process.

## **4. SCOPE OF WORK**

The scope of works is detailed below for the servicing of the forklift:

Equipment Details:

Make: TCM

Serial no: SA43202763

Mach /asset no: H 501

Model: FD35

Engine Model: ISUZU 6 CYL

### **Annual Service task list.**

- Renew engine oil SAE 15W40 (18 Liter)
- Renew engine oil filter P/N G948
- Renew engine fuel filter P/N G826
- Clean air filter & sediment bowl.
- Renew air filter ADG 535 & ADG 519
- Top up hydraulic oil
- Check and top up Diff & Transmission oil
- Remove & check condition of VEE - Belts (replace if necessary)
- Check condition of radiator, hoses & radiator cap
- Renew antifreeze
- Check all hydraulic cylinders and hoses for leaks and damage. Check all pins, bushes and safety pins
- Remove front wheels & check the condition of brake linings.
- Check and secure all wheel nuts
- Check and secure all ball joints. Grease all ball joints on the steering system.
- Drain brake fluid, clean brake system, renew brake fluid and bleed system
- Steam-clean entire forklift
- Grease forklift at all grease nipples
- Lubricate lifting chains X 2 & check locknuts on anchor points
- Check the condition of batteries X 2, clean battery box and secure battery hold down clamp • Check the working condition of all lights & gauges (repair if necessary)
- Submit a detailed defect report if there were any defects found during the service.
- Repair/replace right hand leaking cylinder
- Replace leaking water pump

### **YEARLY LOADTEST**

- Load test forklift to SWL + 3% overload to test hydraulic relief valve.
  - Load test to be conducted by approved LME in presence of T.N.P.A. examiner.
  - Supply load test certificate for load test conducted.
- NB:CONTRACTOR TO SUPPLY OWN TEST WEIGHTS.

## **5. DETAILED QUOTATION**

All quotes are to be submitted in detailed format and itemized.

## 6. TECHNICAL REQUIREMENTS

The Service Provider shall provide the following on submission of quotation which will be used for the technical evaluation.

Technical Requirements Criteria		
<b>6.1</b>	Compliance to Scope and Work Requirements <b>Evidence:</b> Confirmation of the quotation is according to scope and work requirements.	Yes / No

**Note:** Technical threshold is **1 "YES"** as the predetermined minimum threshold

Contract award evaluation will be based on the following:

- Method Statement
- Lead time (Start date, Lead time to complete)
- Price

### b). QUALITY AND SERVICE

- 8.1. All services supplied and delivered to Transnet must be of excellent quality in compliance with the specifications. Should the goods or service(s) not be in conformity with the specifications, Transnet reserves the right to reject them, obtain the goods or service(s) from other sources of its free choice and debit the difference in cost, if any, to the Service Provider.
- 8.2. The Service Provider shall ensure that its employees tasked with providing the required services to Transnet are competent and experienced in carrying out its responsibilities as set out in the scope of work herein.
- 8.3. The Service Provider must have roadworthy and licensed vehicles.

### c). HEALTH AND SAFETY REQUIREMENTS

The service provider shall take full responsibility for ensuring that his employees and/or sub-service provider will comply with all relevant safety legislation while performing their function as required. In particular, the Service provider will:

- 9.1. Ensure a valid safety file is submitted to SHERQ prior the work commencement.
- 9.2. Ensure that his staff is suitably qualified and experienced in order to work in equipment of this nature.
- 9.3. Issue suitable PPE to all his staff and ensure they are using it while performing their duties
- 9.4. Ensure that all his staff is medically fit as per SHERQ requirements.

9.5. The service provider must Immediately report any near miss or incident to the SHERQ department/Mechanical Technical Supervisor/Mechanical Technical Manager

**d). GOVERNING CODES, STANDARDS AND SPECIFICATIONS**

10.1. Occupational Health and Safety Act, 1993 (Act 85 of 1993) and the Driven Machinery Regulations of 2015.

10.2. SANS 2330:2007/ISO 2330:2002

10.3. SANS 10388

10.4. Safe Work Procedures for lifting equipment.

**e). GENERAL RULES**

- The appointed Service Provider will be required to stipulate a workmanship warranty.
- The appointed Service Provider will be required to meet stipulated delivery dates and outcomes as it relates to the Scope of Works.
- After every work that has been done by the external service provider, a performance test must be conducted by Infront of Transnet employees responsible for signing off the equipment.

**f). TOOLS AND MACHINERY**

The service provider is to provide all labor, material, tools and equipment necessary to carry out the work in the scope of work.