

Forklift service and repairs for Transnet SOC limited (Reg. No. 1990/000900/30) operating as Transnet Port Terminals (hereinafter referred to as "TPT") at the Port of Port Elizabeth Multi-Purpose Terminal as a once off service.



PORT ELIZABETH MULTI-PURPOSE TERMINAL

Document Title:
SCOPE OF WORK

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DOCUMENT PREPARATION

	Name	Title	Signature	Date
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Approved by:	Kwandiwe Kalipa	Technical Manager Reliability		24/02/2026

1. BACKGROUND

Port Elizabeth Multi-Purpose Terminal (PEMPT's) core business is to export dry bulk cargo manganese ore. This is accomplished with terminal infrastructure such as rail wagon tippler, feeders, conveyor belts, storage facilities and ship-loaders and a network of machine mobile equipment such as excavators, forklifts and bulldozers. The larger network of conveyors is connected via chute and diverter chutes which allow for easy conveying of bulk material to the different conveyor lines.

2. OBJECTIVE

The primary objective of this Scope of Work is to request the service provider to service and repair the Forklift.

3. SCOPE OF WORK

3.1. The specification of the forklift is:

- Manufacturer: TEREX
- Model: FDC 300
- Power: 179 kW
- Speed: 2000 rpm
- capacity: 30 Ton

3.2. All deliveries and transportation shall be for the Service Provider's account.

3.3. Replace oil, fuel and air filters.

3.4. Replace all the fluids and provide an oil analysis for hydraulic fluid and engine oil.

3.5. The Service Provider shall immediately report to TPT any abnormalities identified in the engine oil analysis and no major repairs should be done on the gearbox.

3.6. Inspect engine hoses, belts and cooling system.

3.7. Perform a diagnosis on mast assembly, forks, overhead guard, backrest, light guard and do all necessary refurbishment.

- 3.8. Replace mast rollers and chain pulleys and lift chain.
- 3.9. Ensure forks are securely attached and not bent.
- 3.10. Inspect and test tilt and lift functions.
- 3.11. Test all the batteries health.
- 3.12. Test the functionality of lights, alarms, hoot, operation controls and other safety devices.
- 3.13. Replace all damaged lights i.e. brake lights, head lights, indication lights, strobe light.
- 3.14. Inspect tires for any damages and wear.
- 3.15. Replace worn out brakes.
- 3.16. Inflate tyres.
- 3.17. Inspect all hydraulic hoses and fittings for any damage or wear and ensure functionality.
- 3.18. Inspect and refurbish all hydraulic cylinders.
- 3.19. Repair hydraulic leaks.
- 3.20. Conduct full inspection and diagnosis on mechanical, electrical and hydraulic system and compile a detailed report action taken with parts replaced.
- 3.21. Inspect electrical wiring, connection and sensors and ensure proper functionality.
- 3.22. Inspect and repair forward and reverse movements.
- 3.23. Clean and inspect operator's cabin, controls, seats, windows and mirrors.
- 3.24. Repair hooter.
- 3.25. Replace ignition.
- 3.26. Clean, inspect and lubricate the chains, forks, carriage and all moving parts.
- 3.27. Perform Non-Destructive Testing (NDT) on mast welding and provide report.

3.28. Use OEM or approved parts for replacement.

3.29. Submit a detailed report that includes findings, repairs, service, parts replaced, and test conducted after job completion.

4. TPT REQUIREMENTS

4.1. The forklift will be accepted when it has been successfully, serviced, repaired and tested.

4.2. The Service Provider shall ensure that the components supplied conform to the machine specification provided and are from Original Equipment Manufacturer.

4.3. The Service Provider shall have all necessary material, tools, equipment and consumables to perform the job.

4.4. TPT shall be called to inspect and parts and machine repairs for acceptance.

4.5. Machine functionality test shall be conducted up on handover.

4.6. The Service Provider must have a minimum of three years of experience in maintaining and servicing heavy-duty mobile equipment.

5. MANDATORY RETURNABLE DOCUMENTS

5.1. The Service Provider shall submit the Forklift Mechanic/ Diesel Mechanics/ Earthmoving Mechanic's CV and qualifications (Diploma NQF Level 6 or Red Seal) indicating a minimum of three years' experience in maintenance and repairs of the mobile equipment or earth moving equipment.

5.2. Submit the Technician's CV with Level 2 or higher NDT certificate for PT / MT, showing a minimum of three years' experience in inspection of material and structure.

NB: Failure to submit will result to disqualification.

6. TPT TO PROVIDE

6.1. Access to the site for site briefing and project execution.

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7. SITE INFORMATION

The site is at Workshop 17 in the Port Elizabeth Multipurpose Terminal. Access will be from the existing public and maintenance road networks. Access to the Port will be subject to the TNPA and TPT security requirements and regulation.