

**CERTIFICATE OF TEST AND THOROUGH EXAMINATION  
OF CRAWLER CRANE**

Certificate Registration No.: **81888**

Job order no.: **JOD-2022-05-12868**

Place of Inspection: **FREE PORT, AUH**

|   |  |  |  |
|---|--|--|--|
| Name and address of owner for whom the examination was made           |  | <b>Aertssen Machinery Services Ltd<br/>P.O. Box: 40196 - Abu Dhabi - UAE</b>                                 |  |
| Name and address of the manufacturer / supplier of the equipment:     |  | <b>Terex Demag</b>   |  |
| Type of crane and nature of power (e.g. mobile telescopic-hydraulic): |  | <b>Diesel Powered, Hydraulic, Lattice Boom, Crawler Crane</b>  |  |
| Type of inspection  |  | Initial <input type="checkbox"/> Periodic <input checked="" type="checkbox"/> Major <input type="checkbox"/> |  |
| Date of manufacture of crane:   | <b>2009</b>                                | Identification (e.g. makers serial number, owners identifying mark):   | <b>Owner ID: C2492, Reg No: 58235/6 AD</b> |
| Make and type of safe load indicator:                                 | <b>Terex AML</b>                           | Chassis no.:   | <b>43051</b>                               |
| Model / Type:   | <b>CC2400-1</b>                            | Rated capacity:  | <b>400.0 t</b>                             |
| Date of previous test of crane:                                       | <b>05/07/2018 TUV R Cert # D7540-01 AK</b> | Date of previous thorough examination of crane:  | <b>11/12/2021 TUV R, Cert # 77426</b>      |

|  |                          |                   |                          |                                  |
|--|--------------------------|-------------------|--------------------------|----------------------------------|
| <b>Safe working load or loads:</b><br><br>Present Configuration<br>Boom Length: 60.0m<br>Main wire rope 28.0mm Dia. @ 9 Falls Main hook block capacity: 160 t , Weight: 1,660 Kg<br>Aux wire rope 28.0mm Dia. @ Single Fall<br>Aux hook block capacity: 15.0 t<br>Counter Weight: 160t + 40t<br>Single line pull: 15.0 t<br><br>Tested at 360 Deg. Slew Rotation | <b>Length of jib (m)</b> | <b>Radius (m)</b> | <b>Test Load (Tonne)</b> | <b>Safe working Load (Tonne)</b> |
|  | 60.0                     | 9.0               | Nil                      | 192.0                            |
|  | 60.0                     | 18.0              | Nil                      | 94.3                             |
|  | 60.0                     | 42.0              | 27.0                     | 27.0                             |
|  | 60.0 (Aux)               | 20.0              | 15.0                     | 15.0                             |
| Maximum radius at which the jib or jibs may be worked (in metres):   | <b>Refer Load Chart</b>  |                   |                          |                                  |
| Defects noted and alterations or repairs required before crane is put into service (if none enter "none"):   | <b>None</b>              |                   |                          |                                  |

**RECORD OF INSPECTION**

|                         |   |                                    |  |
|-------------------------|---|------------------------------------|--|
| Date of inspection:     | <b>24/05/2022</b>   | Date of next load test:            | <b>N/A or after repair or modification</b> |
| Suitable for service:   | <b>YES</b> <input checked="" type="checkbox"/> <b>NO</b> <input type="checkbox"/> | Date of next thorough examination: | <b>23/05/2023</b>                          |
| Reference standard:     | <b>BS 7121-2-1&amp;3:2012</b>   | TÜVR Inspection Procedure Ref.:    | <b>MS-0044494 REV.01</b>                   |
| Equipment / Tools used: | <b>DXB-TRME-IS-04, DXB-TRME-IS-16,DX-TRME-IS-17</b>                               |                                    |  |

**I CERTIFY THAT** the item described above was examined in the prescribed manner and all parameters mentioned above were correct at the time of inspection.

|                               |   |   |                     |   |
|-------------------------------|---|---|---------------------|---|
| Name of the competent person: | <b>Ijas Muhammed</b>  |  | Reviewed by:        | <b>Ezhilarasan Asaithambi</b>   |
| Signature / stamp:            |  |   | Signature / stamp : |  |

- This document complies with ILO Convention No. 152.
- This document complies with the requirements of the Lifting Operations and Lifting Equipment Regulations 1998 (LOLER).
- This document complies with the LEEA code of practice for the safe use of lifting equipment

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|                                      | S                                   | NS                       | N/A                                 | Remarks                   |
|--------------------------------------|-------------------------------------|--------------------------|-------------------------------------|---------------------------|
| <b>Certification</b>                 |                                     |                          |                                     |                           |
| OEM's Document                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| Operator's handbook/Manual           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| Operator Competency Certificate      | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| <b>Structural Condition</b>          |                                     |                          |                                     |                           |
| Paintwork                            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| Oil spillage                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| Appearance                           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| Maintenance                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| Counter weights & its fittings       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            | CW: 160t & Ballast Wt:40t |
| <b>Outriggers</b>                    |                                     |                          |                                     |                           |
| Outriggers                           | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Outrigger operation                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Hydraulic cylinders, hoses           | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Locking pins                         | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| <b>Tracks &amp; Tires</b>            |                                     |                          |                                     |                           |
| Track and Track pin condition        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| Steering controls and pins           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| Tire conditions & Pressure           | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| <b>Boom / Telescopic</b>             |                                     |                          |                                     |                           |
| Smooth operation                     | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Welded connections                   | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Fixing bolts, pins & other fasteners | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Wear pads                            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Heel pins                            | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Hydraulic cylinders                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Hydraulic hoses                      | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Extending wire rope                  | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Boom tip sheaves & fixings           | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Sheave guard                         | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Paint condition                      | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| Navigation and floodlights           | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |                           |
| <b>Boom / Lattice Section</b>        |                                     |                          |                                     |                           |
| Main Chords                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| Intermediate Bracing                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| Welded connections                   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |
| Joints, bolts or pins                | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |                           |

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| Boom foot bearings / bushes                   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Paint work                                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Walkway and hand rails                        | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Sheaves / brackets and pins                   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Sheave guards                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Rope Anchors and pins                         | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Navigation and floodlights                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <b>Operator Ccabin &amp; Control</b>          |                                     |                          |                          |  |
| Cabin condition                               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Electrics                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Manufactures rating charts                    | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Access and egress                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Ladders / platforms / handrails               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Control markings                              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Control operation                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Windscreen wipers                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Horn, Lights and indicators                   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <b>Main &amp; Aux. Hoist Winches</b>          |                                     |                          |                          |  |
| General condition                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Mountings                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Rope spooling                                 | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Clutches & Brakes                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Limit switches                                | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <b>Wire Rope – Main Hoist</b>                 |                                     |                          |                          |  |
| Specifications                                | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Broken wires                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Weariness                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <b>Wire Rope – Auxiliary Hoist</b>            |                                     |                          |                          |  |
| Specifications                                | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Broken wires                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Weariness                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <b>Wire Rope – Others</b>                     |                                     |                          |                          |  |
| Pendant rope assembly including pins, fixings | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Condition & operations of boom hoist rope     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| <b>Hook Blocks – Main</b>                     |                                     |                          |                          |  |
| Capacity marking                              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Capacity marking                              | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Sheave  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |
| Safety Latching Mechanism                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |  |

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| Hook Bend or twist                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Hook opening   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Hook Wear  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Hook Swivel/Bearing                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Hook Bend or twist                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| <b>Hook Blocks – Auxiliary</b>                       |                                     |                          |                                     |  |
| Capacity marking                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Weight marking                                       | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Sheave   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Safety Latching Mechanism                            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Hook Bend or twist                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Hook opening   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Hook wear  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Hook Swivel/Bearing                                  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| <b>Slewing Machinery</b>                             |                                     |                          |                                     |  |
| Operation  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Slew bearings  | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Mountings and linkages                               | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Slew break   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Gears and guards                                     | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| All limit switches                                   | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| <b>Safety Devices &amp; Limit Switches</b>           |                                     |                          |                                     |  |
| Crane levelling indicator                            | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Swing alarm/ Reverse alarm                           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Boom angle indicator (Mech)                          | <input type="checkbox"/>            | <input type="checkbox"/> | <input checked="" type="checkbox"/> |  |
| Min. Boom angle limit                                | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Max. Boom angle limit                                | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Anti-two block – Main hook                           | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| Anti-two block –Aux hook                             | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |
| RCI/L including measurement of load, moment & radius | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/>            |  |

**Legends:** • **S** - SATISFACTORY • **NS** - NOT SATISFACTORY • **N/A** - NOT APPLICABLE

**A. Item to be corrected/rectified without delay:**

**B. Remarks and recommendation:**

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