



AN ISO/IEC 17020 ACCREDITED INSPECTION BODY

**CERTIFICATE OF THOROUGH EXAMINATION OF MOBILE CRANE**

Certificate No: MP/52852/23/10/04

Date of Inspection: 02/10/23

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                       |                             |                             |                                       |       |       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------|-----------------------------|-----------------------------|---------------------------------------|-------|-------|
| <b>Crane details</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                                       |                             |                             |                                       |       |       |
| Name and Address of the Owner:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   | TRUCKOMAN EQUIPMENT RENTAL LLC                        |                             |                             |                                       |       |       |
| Make & Date of Manufacture:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | GROVE ; 2012                                          |                             |                             |                                       |       |       |
| Location of Inspection:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | Hima                                                  |                             |                             |                                       |       |       |
| Ref. Standard:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   | BS 7121-2-3, SP 2275                                  |                             |                             |                                       |       |       |
| Registration No.& Owner No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   | 6593 YS ; TO-2551                                     |                             |                             |                                       |       |       |
| Model and Serial No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | RT 880E ; 233002                                      |                             |                             |                                       |       |       |
| Date of previous inspection / cert. No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | 12/10/22 MP/49811/22/10/07                            |                             |                             |                                       |       |       |
| <b>Date of next inspection and testing :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   | 01/10/24                                              |                             |                             |                                       |       |       |
| Availability OEM certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   | In Service Equipment                                  |                             |                             |                                       |       |       |
| Availability of operations manual in cab:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | Satisfactory                                          |                             |                             |                                       |       |       |
| Availability of load Chart in cab:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | Satisfactory                                          |                             |                             |                                       |       |       |
| Availability of daily check report:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   | Satisfactory                                          |                             |                             |                                       |       |       |
| Main hoist wire rope diameter and condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | 19mm ; Satisfactory                                   |                             |                             |                                       |       |       |
| Main hoist wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   | DW-0047/01 ( 31/12/2020 ), KISWIRE ( MBL ; 324.00 KN) |                             |                             |                                       |       |       |
| Auxiliary wire rope diameter and condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   | Not Applicable                                        |                             |                             |                                       |       |       |
| Auxiliary wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   | Not Applicable                                        |                             |                             |                                       |       |       |
| <b>Crane Description</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>Crane type</b> | <b>Maximum SWL</b>                                    | <b>Range of Boom length</b> | <b>Fly Jib length</b>       | <b>Counter weight (if applicable)</b> |       |       |
| Diesel powered, hydraulically operated telescopic boom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Rough Terrain     | 75t                                                   | 12.6 m to 39 m              | N/A                         | fixed                                 |       |       |
| <b>Crane present configuration at the time of inspection:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                   | <b>Boom length (M)</b>                                | <b>Radius (M)</b>           | <b>Applied load (Tonne)</b> | <b>Safe working load (Tonne)</b>      |       |       |
| SWL @ No of falls: 52.84t @ 8Falls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                                                       |                             |                             |                                       |       |       |
| counter weight: Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                                                       |                             |                             |                                       |       |       |
| Main hook SWL: 75 t / NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                                                       |                             |                             |                                       |       |       |
| Main hook SL no: 12-4064                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                   |                                                       |                             |                             |                                       |       |       |
| Aux hook SL No: Not Applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   |                                                       |                             |                             |                                       |       |       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | <b>Main hoist</b>                                     | <b>Minimum</b>              | 18.3                        | 4                                     | ---   | 47.75 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                       | <b>Intermediate</b>         | 21.4                        | 14                                    | 11.40 | 11.42 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                       | <b>Maximum</b>              | 39                          | 36                                    | 1.600 | 1.645 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | <b>Auxiliary hoist (where applicable)</b>             | ---                         | --                          | ---                                   | ---   |       |
| <b>Conclusion:</b> Fit for its intended use at the time of examination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                       |                             |                             |                                       |       |       |
| <i>This certificate becomes invalid if any Alteration/Major Repair and modification is done.</i> This is to certify that the undersigned competent representative, did attend to examine the item described above in accordance to the aforementioned standard. At the time of inspection, the said item were found to be free from flaws, deformations or other defects. The equipment is satisfactory for its intended use within the limits specified and at the time of inspection was found to be satisfactory for further use, provided there is continuous maintenance applied, qualified operators employed and implementation of our remarks and recommendations. |                   |                                                       |                             |                             |                                       |       |       |

Approved by, Name & Signature: Mr. Infanso Oswin.

Inspected by, Name & Signature: Madhu Pillai

*Mr. Infanso Oswin*



*Madhu Pillai*



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**Annexure of certificate of thorough examination of mobile crane**

**Certificate No: MP/52852/23/10/02**

**Date of Inspection: 02/10/2023**

| Status Legend: S- Satisfactory NA-Not applicable F-Findings CF-Critical Findings          |                                             |                                      |     |                                                                                                          |        |
|-------------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------|-----|----------------------------------------------------------------------------------------------------------|--------|
| No.                                                                                       | Description                                 | Status                               | No. | Description                                                                                              | Status |
| 1                                                                                         | Operations Manual/Catalogue                 | S                                    | 21  | Swing machinery /Swing alarm / Swing lock                                                                | S      |
| 2                                                                                         | Monthly Inspection record                   | S                                    | 22  | Hook block system/Safety catch                                                                           | S      |
| 3                                                                                         | Maintenance records                         | S                                    | 23  | Sheaves(Boom & Hook)                                                                                     | S      |
| 4                                                                                         | OEM Specification plate                     | S                                    | 24  | Operator cab/ Control levers /Wind shields/Mirrors                                                       | S      |
| 5                                                                                         | Safe load indicator/calibration verified    | S                                    | 25  | Anti 2 block /over lower/ boom cut off /over load cut off limit switches / Slack rope limiter(if fitted) | S      |
| 6                                                                                         | Level indicator / Boom Angle indicator      | S                                    | 26  | Proximity switches                                                                                       | NA     |
| 7                                                                                         | Telescopic boom extensions/Rope guides      | S                                    | 27  | All fasteners /Bolts / Safety pins                                                                       | S      |
| 8                                                                                         | Lattice boom sections/Connecting pins       | NA                                   | 28  | Electrical System                                                                                        | S      |
| 9                                                                                         | Mast and its attachments                    | NA                                   | 29  | Hydraulic System                                                                                         | S      |
| 10                                                                                        | Pendant ropes                               | NA                                   | 30  | Caution rotary light                                                                                     | S      |
| 11                                                                                        | Fly Jib / Derricking interlock security     | S                                    | 31  | Reverse Horn / Light                                                                                     | S      |
| 12                                                                                        | Main hoist winch/ Hoist drum / spooling     | S                                    | 32  | Fire extinguisher                                                                                        | S      |
| 13                                                                                        | Main hoist wire ropes and termination       | S                                    | 33  | Anemometer(if fitted or hand held)                                                                       | NA     |
| 14                                                                                        | Auxiliary hoist winch/ Hoist drum /spooling | NA                                   | 34  | Full functional test                                                                                     | S      |
| 15                                                                                        | Auxiliary wire ropes and termination        | NA                                   | 35  | Rated load test                                                                                          | S      |
| 16                                                                                        | Counterweight and its locking mechanism     | S                                    | 36  | Overload test                                                                                            | NA     |
| 17                                                                                        | Access ladders/Walkways/Hand & guard rails  | S                                    | 37  | NDT(If applicable)                                                                                       | S      |
| 18                                                                                        | Outriggers/ beams / jacks / pads            | S                                    | 38  | Other Test (If applicable)                                                                               | NA     |
| 19                                                                                        | Tires / rims / wheel bolts                  | S                                    | 39  | Display marking (SWL / tire pressure/ dates)                                                             | S      |
| 20                                                                                        | Crawler Tracks/Track shoe                   | NA                                   | 40  | General Condition                                                                                        | S      |
| <b>Details of tools/equipment's used: STS-LD-75; STS-65; STS-LD-80; STS-LD-82,SP/4813</b> |                                             |                                      |     |                                                                                                          |        |
| <b>Findings/Critical Findings Report</b>                                                  |                                             |                                      |     |                                                                                                          |        |
| F/CF                                                                                      | No.                                         | Remarks                              |     |                                                                                                          |        |
|                                                                                           | 37                                          | Hook MPI Done on 30/5/23 MP/51262/06 |     |                                                                                                          |        |

