

**AN ISO/IEC 17020 ACCREDITED INSPECTION BODY**  
**CERTIFICATE OF THOROUGH EXAMINATION OF MOBILE CRANE**

**Certificate No: MP/50968/23/03/69**

**Date of Inspection: 14/03/2023**

| Crane details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    |                      |                 |                                |                      |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------|----------------------|-----------------|--------------------------------|----------------------|---------------------------|
| Name and Address of the Owner:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               | TRUCK OMAN (SOUNTH)                |                      |                 |                                |                      |                           |
| Make & Date of Manufacture:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               | GROVE ; 2013                       |                      |                 |                                |                      |                           |
| Location of Inspection:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | NIMR                               |                      |                 |                                |                      |                           |
| Ref. Standard:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               | BS 7121-2-3; SP 2275               |                      |                 |                                |                      |                           |
| Registration No.& Owner No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               | 185 YM ; TO-2554                   |                      |                 |                                |                      |                           |
| Model and Serial No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | RT 540 E ; 258667                  |                      |                 |                                |                      |                           |
| Date of previous inspection / cert. No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | 29/03/2022; MP/48147/22/04/04      |                      |                 |                                |                      |                           |
| Date of next inspection and testing :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 13/03/2024                         |                      |                 |                                |                      |                           |
| Availability OEM certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               | In service crane                   |                      |                 |                                |                      |                           |
| Availability of operations manual in cab:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               | Yes                                |                      |                 |                                |                      |                           |
| Availability of load Chart in cab:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               | Yes                                |                      |                 |                                |                      |                           |
| Availability of daily check report:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               | Yes                                |                      |                 |                                |                      |                           |
| Main hoist wire rope diameter and condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               | 16mm ; Satisfactory                |                      |                 |                                |                      |                           |
| Main hoist wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               | Dw-8008/06 (MBL-251KN); 17/2019    |                      |                 |                                |                      |                           |
| Auxiliary wire rope diameter and condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               | Not Applicable                     |                      |                 |                                |                      |                           |
| Auxiliary wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               | Not Applicable                     |                      |                 |                                |                      |                           |
| Crane Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Crane type    | Maximum SWL                        | Range of Boom length | Fly Jib length  | Counter weight (if applicable) |                      |                           |
| Diesel powered, hydraulically operated telescopic boom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Rough terrain | 35t                                | 9.8m to 31m          | N/A             | fixed                          |                      |                           |
| <b>Crane present configuration at the time of inspection:</b><br><br>SWL @ No of falls: 30t @ 6falls<br><br>counter weight: fixed<br><br>Main hook/Aux hook SWL: 40t<br><br>Main hook SL no:6725<br><br>Aux hook SL No:NA                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                                    |                      | Boom length (m) | Radius (m)                     | Applied load (Tonne) | Safe working load (Tonne) |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | Main hoist                         | Minimum              | 9.8             | 3.5                            | ---                  | 29                        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                    | Intermediate         | 21.3            | 10                             | 8.9                  | 8.9                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                                    | Maximum              | 31              | 28                             | ---                  | 0.935                     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | Auxiliary hoist (where applicable) |                      | ---             | ---                            | ---                  | ---                       |
| <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



## Annexure of certificate of thorough examination of mobile crane

**Certificate No: MP/50968/23/03/69**

**Date of Inspection: 14/03/2023**

| 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                    | N/A                                    | 29  | Hydraulic System                                                                                         | S      |
| 10                                                                                          | Pendant ropes                               | NA                                     | 30  | Caution rotary light                                                                                     | S      |
| 11                                                                                          | Fly Jib / Derricking interlock security     | NA                                     | 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)                                                                       | (F)    |
| 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/equipments used: STS-LD-75; STS-65; STS-LD-80; STS-LD-82,SP14813,73</b> |                                             |                                        |     |                                                                                                          |        |
| <b>Findings/Critical Findings Report</b>                                                    |                                             |                                        |     |                                                                                                          |        |
| F/CF                                                                                        | No.                                         | Remarks                                |     |                                                                                                          |        |
| F                                                                                           | 37                                          | Hook MPI Done On 14/03/2023 : MP/50968 |     |                                                                                                          |        |
|                                                                                             |                                             |                                        |     |                                                                                                          |        |
|                                                                                             |                                             |                                        |     |                                                                                                          |        |

