



# الشركة الفنية لخدمات السلامة والفحص الفني ش.م.م

## SAFETY TECHNICAL SERVICES AND INSPECTIONS



Tel : +968 24502589, Fax : +968 24590272. Email: stsi@safetyoman.com, Website: www.safetyoman.com  
P.O. Box 3288, Airport Heights P.C. 111, Sultanate of Oman.

AN ISO/IEC 17020 ACCREDITED INSPECTION BODY

### CERTIFICATE OF THOROUGH EXAMINATION OF MOBILE CRANE

Certificate No: A/45728/21/01/01

Date of Inspection: 14/01/2021

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                           |                             |                             |                                       |      |      |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------|-----------------------------|-----------------------------|---------------------------------------|------|------|
| <b>Crane details</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                           |                             |                             |                                       |      |      |
| Name and Address of the Owner:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   | TRUCK OMAN                                |                             |                             |                                       |      |      |
| Make & Date of Manufacture:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | TADANO – 2008                             |                             |                             |                                       |      |      |
| Location of Inspection:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | NIMR                                      |                             |                             |                                       |      |      |
| Ref. Standard:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                   | BS EN 7121 – 2 – 3 / SP 2275              |                             |                             |                                       |      |      |
| Registration No.& Owner No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   | 2893 YD ; TS-702                          |                             |                             |                                       |      |      |
| Model and Serial No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   | GR 700 EX 546486                          |                             |                             |                                       |      |      |
| Date of previous inspection / cert. No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | NA                                        |                             |                             |                                       |      |      |
| <b>Date of next inspection and testing :</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   | 10/01/2023                                |                             |                             |                                       |      |      |
| Availability OEM certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   | YES INSERVICE EQUIPMENT                   |                             |                             |                                       |      |      |
| Availability of operations manual in cab:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   | Available                                 |                             |                             |                                       |      |      |
| Availability of load Chart in cab:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   | Available                                 |                             |                             |                                       |      |      |
| Availability of daily check report:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   | Available                                 |                             |                             |                                       |      |      |
| Main hoist wire rope diameter and condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   | 19mm ; Satisfactory                       |                             |                             |                                       |      |      |
| Main hoist wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   | 25/08/15; 205-08-353 (MBL-232 KN)         |                             |                             |                                       |      |      |
| Auxiliary wire rope diameter and condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   | Not Available                             |                             |                             |                                       |      |      |
| Auxiliary wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   | Not Available                             |                             |                             |                                       |      |      |
| <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     | 16 Falls To 70t                           | 11.5m To 44.0m              | NA                          | 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: 37.87t @ 8 Falls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                                           |                             |                             |                                       |      |      |
| counter weight: Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                                           |                             |                             |                                       |      |      |
| Main hook SWL: 70t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                                           |                             |                             |                                       |      |      |
| Main hook SL no: M783 (DW15021)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                           |                             |                             |                                       |      |      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | <b>Main hoist</b>                         | <b>Minimum</b>              | 11.5                        | 6.0                                   | ---  | 36.3 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                           | <b>Intermediate</b>         | 19.62                       | 9.0                                   | 19.8 | 19.8 |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                           | <b>Maximum</b>              | 44                          | 22                                    | 4.3  | 4.3  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   | <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. Gishin Thomas**

Inspected by, Name & Signature: **Madhu Pillai**





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### Annexure of certificate of thorough examination of mobile crane

Certificate No: MP/48104/22/01/34

Date of Inspection: 11/01/2022

| Status Legend: S- Satisfactory NA-Not applicable F-Findings CF-Critical Findings |                                             |        |     |                                                                                                          |        |
|----------------------------------------------------------------------------------|---------------------------------------------|--------|-----|----------------------------------------------------------------------------------------------------------|--------|
| No.                                                                              | Description                                 | Status | No. | Description                                                                                              | Status |
| 1                                                                                | Operations Manual/Catalogue                 | f      | 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      |

Details of tools/equipments used: STS-LD-78; STS-77; STS-LD-76; STS-LD-79

#### Findings/Critical Findings Report

| F/CF | No. | Remarks                       |
|------|-----|-------------------------------|
| F    | 1   | Provide Catalogue and Manual  |
| NA   | 33  | Recommended to keep Hand Held |
| NA   | 37  | MP/48104/22/01/44             |

