



# الشركة الفنية لخدمات السلامة والفحص الفني ش.م.م. SAFETY TECHNICAL SERVICES AND INSPECTIONS

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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: O/44483/20/08/26

Date of Inspection: 28/08/2020

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                    |                             |                             |                       |                                       |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------------------------------------|-----------------------------|-----------------------------|-----------------------|---------------------------------------|
| <b>Crane details</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                    |                             |                             |                       |                                       |
| Name and Address of the Owner:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                    | TRUCK OMAN EQUIPMENT RENTAL |                             |                       |                                       |
| Make & Date of Manufacture:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                    | TADANO ; 2015               |                             |                       |                                       |
| Location of Inspection:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                    | FARAH                       |                             |                       |                                       |
| Ref. Standard:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |                                    | BS 7121-2-3; SP 2275        |                             |                       |                                       |
| Registration No.& Owner No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                    | 7390 HA ; PLM 1496          |                             |                       |                                       |
| Model and Serial No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                    | GR-500E-3-00102 ; 541189    |                             |                       |                                       |
| Date of previous inspection / cert. No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                    | 04/08/19; O/4126/19/08/01   |                             |                       |                                       |
| Date of next inspection and testing :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |                                    | 27/08/2021                  |                             |                       |                                       |
| Availability OEM certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                    | Available                   |                             |                       |                                       |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |                                    | 16 mm Satisfactory          |                             |                       |                                       |
| Main hoist wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                    | JW-4778/05 (MBL-248KN)      |                             |                       |                                       |
| Auxiliary wire rope diameter and condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                    | 16 mm Satisfactory          |                             |                       |                                       |
| Auxiliary wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                    | JW-4778/05 (MBL-248KN)      |                             |                       |                                       |
| <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                      | 51 t @ 12 Falls             | 11.1 to 42m                 | 12.7m                 | Fixed                                 |
| <b>Crane present configuration at the time of inspection:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                    |                             | <b>Boom length</b>          | <b>Radius</b>         | <b>Applied load (Tonne)</b>           |
| SWL @ No of falls: 36 t** @ 8 Falls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                    |                             |                             |                       |                                       |
| counter weight: Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  | Main hoist                         | Minimum                     | 11.1m                       | 5m                    | ---                                   |
| Main hook/Aux hook SWL: 51t / 4.5 t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                    | Intermediate                | 18.8m                       | 9m                    | 14.6t                                 |
| Main hook SL no: FT20-9-14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |                                    | Maximum                     | 42m                         | 34m                   | 0.6t                                  |
| Aux hook SL No: SH01213                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  | Auxiliary hoist (where applicable) |                             | 42m                         | 18m                   | 4.5t                                  |
| <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: Vijeesh Ravi




Ref: STSI-FMT-05 Rev.00 Date: 18.02.2020

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## Annexure of certificate of thorough examination of mobile crane

Certificate No: O/44483/20/08/26

Date of Inspection: 28/08/2020

| Description                                                                                                 | Condition | Remarks                  |
|-------------------------------------------------------------------------------------------------------------|-----------|--------------------------|
| Safe load indicator/calibration verified                                                                    | S         |                          |
| Level indicator / Boom Angle indicator                                                                      | S         |                          |
| Telescopic boom extensions/Boom pads/Rope guides                                                            | S         |                          |
| Lattice boom sections/Connecting pins/Boom back stops                                                       | NA        |                          |
| Mast and its attachments                                                                                    | NA        |                          |
| Pendant ropes                                                                                               | NA        |                          |
| Fly Jib / Luffing jib/ Derricking interlocksecurity                                                         | S         | Stowed                   |
| Main hoist winch/ Hoist drum / Correct spooling                                                             | S         |                          |
| Main hoist wire ropes and termination                                                                       | S         |                          |
| Auxiliary hoist winch/ Hoist drum / Correct spooling                                                        | S         |                          |
| Auxiliary wire ropes and termination                                                                        | S         |                          |
| Counterweight and its locking mechanism                                                                     | S         |                          |
| Access ladders/Walkways/Hand & guard rails                                                                  | S         |                          |
| Outriggers/ beams / jacks / pads                                                                            | S         |                          |
| Tires / rims / wheel bolts                                                                                  | S         |                          |
| Crawler Tracks/Track shoe                                                                                   | NA        |                          |
| Swing machinery /Swing alarm / Swing lock                                                                   | S         |                          |
| Hook block system/Safety catch                                                                              | S         |                          |
| Sheaves(Boom & Hook)                                                                                        | S         |                          |
| Operator cab/ Control levers /Wind shields/Mirrors                                                          | S         |                          |
| Anti 2 block /over lower/ boom cut off /over load cut off limit switches / Slack rope limiter(if fitted)    | S         |                          |
| Proximity switches                                                                                          | NA        |                          |
| All fasteners /Bolts / Safety pins                                                                          | S         |                          |
| Electrical System                                                                                           | S         |                          |
| Hydraulic System                                                                                            | S         |                          |
| Caution rotary light                                                                                        | S         |                          |
| Reverse Horn / Light                                                                                        | S         |                          |
| Fire extinguisher                                                                                           | NA        | Recommended To Hand Held |
| Anemometer(if fitted or hand held)                                                                          | S         |                          |
| General condition (structural integrity/functionality)                                                      | S         |                          |
| Display marking (SWL / tire pressure/ insp date/due date)                                                   |           |                          |
| S- Satisfactory NS-Not Satisfactory NA-Not applicable NF-Not Fitted NP-Not provided by OEM SC- See Comments |           |                          |
| Details of tools/equipments used: VL.STS-VC-7949. M-T.STS-LD-63                                             |           |                          |
| <b>General comment: **Single fall SWL 4.5t, as shown in the LMI</b>                                         |           |                          |

Approved by, Name & Signature: Mr. Gishin Thomas.

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