



# 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: MA/47207/21/08/18

Date Of Inspection: 17/08/2021

| Crane details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               |                                    |                      |                      |                                |       |       |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------|----------------------|----------------------|--------------------------------|-------|-------|
| 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.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 1640 HA ; PLM-1492                 |                      |                      |                                |       |       |
| Model and Serial No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               | GR-500E ; 541244                   |                      |                      |                                |       |       |
| Date of previous inspection / cert. No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               | 28/08/2021; O/44483                |                      |                      |                                |       |       |
| Date of next inspection and testing :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               | 16/08/2022                         |                      |                      |                                |       |       |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               | 19mm ; Satisfactory                |                      |                      |                                |       |       |
| Main hoist wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               | JW-4789/06 MBL 243KN               |                      |                      |                                |       |       |
| Auxiliary wire rope diameter and condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               | 19mm ; Satisfactory                |                      |                      |                                |       |       |
| Auxiliary wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               | JW-4789/06 MBL 243KN               |                      |                      |                                |       |       |
| 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 | 50 t @ 10 Falls                    | 10.7 to 34.7m        | 15.2m                | Fixed                          |       |       |
| <b>Crane present configuration at the time of inspection:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |               | Boom length (m)                    | Radius (m)           | Applied load (Tonne) | Safe working load (Tonne)      |       |       |
| SWL @ No of falls: 29.7 t @ 6 Falls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                    |                      |                      |                                |       |       |
| counter weight: Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               | Main hoist                         | Minimum              | 10.7m                | 5.5m                           | ---   | 26.7t |
| Main hook/Aux hook SWL: 50t / 5.6 t                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               |                                    | Intermediate         | 26.7m                | 10m                            | 12.1t | 12.1t |
| Main hook SL no: FT29-10-14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |                                    | Maximum              | 34.7m                | 30m                            | 1.2t  | 1.2t  |
| Aux hook SL No: GIN-49-12-14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | Auxiliary hoist (where applicable) |                      | ---                  | 34.7m                          | 16m   | 5.35t |
| <b>Conclusion:</b> Fit for its intended use at the time of examination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                    |                      |                      |                                |       |       |
| <p><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.</p> |               |                                    |                      |                      |                                |       |       |

Approved by, Name & Signature: Gishin Thomas

Inspected by, Name & Signature: Malik Mohammed





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

Certificate No: MA/47207/21/08/18

Date Of Inspection: 17/08/2021

| 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                                                                | F      |
| 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 | S                             | 34  | Full functional test                                                                                     | S      |
| 15                                                                               | Auxiliary wire ropes and termination        | S                             | 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-78; STS-77; STS-LD-76; STS-LD-79</b> |                                             |                               |     |                                                                                                          |        |
| <b>Findings/Critical Findings Report</b>                                         |                                             |                               |     |                                                                                                          |        |
| F/CF                                                                             | No.                                         | Remarks                       |     |                                                                                                          |        |
| F                                                                                | 37                                          | Hook MPI 17/08/2021; MA/47207 |     |                                                                                                          |        |

