

AN ISO/IEC 17020 ACCREDITED INSPECTION BODY

**CERTIFICATE OF THOROUGH EXAMINATION OF MOBILE CRANE**

**Certificate No: MP/48942/22/07/84**

**Date of Inspection: 15/07/2022**

| Crane details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |               |                                    |                      |                |                                |                           |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------------------------------|----------------------|----------------|--------------------------------|---------------------------|
| Name and Address of the Owner:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               | TRUCK OMAN SOUTH                   |                      |                |                                |                           |
| Make & Date of Manufacture:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               | KATO – 2008                        |                      |                |                                |                           |
| Location of Inspection:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | NIMR                               |                      |                |                                |                           |
| Ref. Standard:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |               | BS 7121-2-3; SP 2275               |                      |                |                                |                           |
| Registration No.& Owner No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               | 6824 MA ; TO 923                   |                      |                |                                |                           |
| Model and Serial No.:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | NK-550VR ; 4211127                 |                      |                |                                |                           |
| Date of previous inspection / cert. No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               | 05/08/2021; V/46984/21/08/85       |                      |                |                                |                           |
| Date of next inspection and testing :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               | 14/07/2023                         |                      |                |                                |                           |
| Availability OEM certificate                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |               | In Service 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |               | 18mm ; Satisfactory                |                      |                |                                |                           |
| Main hoist wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               | 943332003001 (MBL: 235.6 KN )      |                      |                |                                |                           |
| Auxiliary wire rope diameter and condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |               | Not Fitted                         |                      |                |                                |                           |
| Auxiliary wire rope certificate No:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |               | Not Applicable                     |                      |                |                                |                           |
| Crane Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Crane type    | Maximum SWL                        | Range of Boom length | Fly Jib length | Counter weight (if applicable) |                           |
| Diesel powered, hydraulically operated telescopic boom                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Rough Terrain | 55t                                | 11 m to 43 m         | NA             | 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: 28t / 8 Falls                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                                    |                      |                |                                |                           |
| counter weight: Fixed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |               |                                    |                      |                |                                |                           |
| Main hook/Aux hook SWL : 55 t / NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    |                      |                |                                |                           |
| Main hook SL no: H-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |                                    |                      |                |                                |                           |
| Aux hook SL No: NA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |               |                                    |                      |                |                                |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | Main hoist                         |                      |                |                                |                           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | Minimum                            |                      | 11             | 5.5                            | 27.8                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | Intermediate                       |                      | 19             | 8                              | 17.5                      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | Maximum                            |                      | 43             | 16                             | 5.3                       |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               | Auxiliary hoist (where applicable) |                      | ---            | ---                            | ---                       |
| <b>Conclusion:</b> Fit for its intended use at the time of examination.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |               |                                    |                      |                |                                |                           |
| <i>This certificate becomes invalid if any Alteration/Major Repair and modification is done.</i> This is to certify that the undersigned competent representative, did attend to examine the item described above in accordance to the aforementioned standard. At the time of inspection, the said item were found to be free from flaws, deformations or other defects. The equipment is satisfactory for its intended use within the limits specified and at the time of inspection was found to be satisfactory for further use, provided there is continuous maintenance applied, qualified operators employed and implementation of our remarks and recommendations. |               |                                    |                      |                |                                |                           |

**Approved by, Name & Signature:**

**Inspected by, Name & Signature:**

**Gishin Thomas**

*Gishin Thomas*

Ref: STSI-FMT-05 Rev.01 Date: 16.08.2020



**Madhu Pillai**

*Madhu Pillai*

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

**Certificate No: MP/48942/22/07/84**

**Date of Inspection: 15/07/2022**

| 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     | F      | 31  | Reverse Horn / Light                                                                                     | S      |
| 12                                                                               | Main hoist winch/ Hoist drum / spooling     | S      | 32  | Fire extinguisher                                                                                        | S      |
| 13                                                                               | Main hoist wire ropes and termination       | S      | 33  | Anemometer(if fitted or hand held)                                                                       | F      |
| 14                                                                               | Auxiliary hoist winch/ Hoist drum /spooling | NA     | 34  | Full functional test                                                                                     | S      |
| 15                                                                               | Auxiliary wire ropes and termination        | NA     | 35  | Rated load test                                                                                          | S      |
| 16                                                                               | Counterweight and its locking mechanism     | S      | 36  | Overload test                                                                                            | NA     |
| 17                                                                               | Access ladders/Walkways/Hand & guard rails  | S      | 37  | NDT(If applicable)                                                                                       | S      |
| 18                                                                               | Outriggers/ beams / jacks / pads            | S      | 38  | Other Test (If applicable)                                                                               | NA     |
| 19                                                                               | Tires / rims / wheel bolts                  | S      | 39  | Display marking (SWL / tire pressure/ dates)                                                             | S      |
| 20                                                                               | Crawler Tracks/Track shoe                   | NA     | 40  | General Condition                                                                                        | S      |

**Details of tools/equipment's used: STS-LD-65 ; STS-LD-75 ; SP 14813 ; STS-LD-80; STS-LD-73; STS-LD-82**

**Findings/Critical Findings Report**

| F/CF | No. | Remarks                                                                               |
|------|-----|---------------------------------------------------------------------------------------|
| F    | 33  | Recommended to hand held                                                              |
| -    | 37  | 15/07/2022; MP/48942/22/07/15                                                         |
| F    | 11  | Not fitted & not stowed                                                               |
| F    | 21  | Slew ring bearing clearance measurement report to be presented during next inspection |

