



# 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 AND TEST OF DECK CRANE

Certificate No: O/46724/21/06/122

Date of Inspection: 04/06/2021

|                                                  |                                                             |
|--------------------------------------------------|-------------------------------------------------------------|
| Name and Address of the Owner:                   | TRUCK OMAN                                                  |
| Maker & Date of Manufacture:                     | HIAB - 2014                                                 |
| Place of Inspection:                             | NIMR                                                        |
| Ref. Standard:                                   | BS 7121-4, SP 2275                                          |
| Registration No.& Owner No.:                     | 6006 RK ; TO-2040                                           |
| Model and Serial No.:                            | 166B-3-CLX ; 16614392                                       |
| Nr. of running hours and/or km read out:         | 510172 kms.                                                 |
| Manufacturer's documentation:                    | In Service Crane                                            |
| Date of Previous inspection / cert. no:          | 09/07/2020; MP/43698/20/07/03                               |
| Date of Next inspection :                        | 03/06/2022                                                  |
| Date of Previous Over load test/ cert. no:       | 06/09/2015; AVI/TPI/3778/15                                 |
| Date of Next Overload load test:                 | After any major repair, alteration, change in configuration |
| Availability of operations manual in cab:        | Available                                                   |
| Load Chart in cab:                               | Near To Control Lever                                       |
| Accessories certificates:                        | Not Available                                               |
| Availability of daily check report:              | Available                                                   |
| Maintenance records / major repairs carried out: | Available                                                   |

Description of Crane: Diesel powered, Hydraulically operated, lorry loader crane with knuckle boom Max capacity 4900 Kg at 3.1m boom length & @ 3.1m radius.

### Test carried out according to tabulated column

| Description of test: (configuration of the crane at the time of inspection) | Boom length<br>(m) | Radius<br>(m) | Test load<br>kgs | Safe working load<br>kgs |
|-----------------------------------------------------------------------------|--------------------|---------------|------------------|--------------------------|
| Hook WLL : 8t                                                               | 3.1m               | 3.1m          | ---              | 4900 kg                  |
|                                                                             | 4.5m               | 4.5m          | ---              | 3400 kg                  |
|                                                                             | 6.3m               | 6.3m          | 2300 Kg          | 2300 kg                  |
|                                                                             | 8.2m               | 8.2m          | ---              | 1760 kg                  |
|                                                                             | 10.3m              | 10.3m         | 1380 Kg          | 1380 Kg                  |

Conclusion: Fit for its intended use at the time of inspection.

*This certificate becomes invalid if any Alteration/Major Repair and modification is done.*

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: Gishin Thomas

Inspected by, Name & Signature: Infanso Oswin





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### Annexure of certificate of test & thorough examination of Lorry loader

Certificate No: O/46724/21/06/122

Date of Inspection: 04/06/2021

| Status Legend: S- Satisfactory NA-Not applicable F-Findings CF-Critical Findings |                                                         |                                                  |     |                                                         |        |
|----------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------|-----|---------------------------------------------------------|--------|
| No.                                                                              | Description                                             | Status                                           | No. | Description                                             | Status |
| 1                                                                                | Operations Manual/Catalogue                             | S                                                | 20  | Hook block system/Safety catch                          | S      |
| 2                                                                                | Monthly Inspection record                               | S                                                | 21  | Sheaves(Boom & Hook)                                    | S      |
| 3                                                                                | Maintenance records                                     | S                                                | 22  | Operator cab/ Control levers /Wind shields/Mirrors      | S      |
| 4                                                                                | OEM Specification plate                                 | S                                                | 23  | Over load cut off ( hydraulic relief valve)             | F      |
| 5                                                                                | Safe load indicator/calibration verified(if applicable) | S                                                | 24  | Over winding alarm or Anti two block ( if applicable)   | NA     |
| 6                                                                                | Level indicator                                         | S                                                | 25  | All fasteners /Bolts / Safety pins                      | S      |
| 7                                                                                | Load chart                                              | S                                                | 26  | Electrical System                                       | S      |
| 8                                                                                | Battery and connections                                 | S                                                | 27  | Hydraulic System( Hoses and fitting leakages)           | S      |
| 9                                                                                | Crane base mounting / Physical Chassis condition        | S                                                | 28  | Hydraulic creep                                         | S      |
| 10                                                                               | PTO(Power take off) correct operation                   | S                                                | 29  | Caution rotary light                                    | S      |
| 11                                                                               | Crane operating levers/links/markings                   | S                                                | 30  | Reverse Horn / Light                                    | S      |
| 12                                                                               | Telescopic boom extensions/Boom pads/Rope guides        | S                                                | 31  | Fire extinguisher                                       | S      |
| 13                                                                               | Hydraulic cylinder condition/lock pin/ smooth function  | S                                                | 32  | Display marking (SWL/tyre pressure/ insp.date/due date) | S      |
| 14                                                                               | Hoist winch/Hoist drum/Correct spooling if applicable)  | NA                                               | 33  | Full functional test                                    | S      |
| 15                                                                               | Hoist wire rope and end terminations (if applicable)    | NA                                               | 34  | Rated load test                                         | S      |
| 16                                                                               | Outriggers/ beams / jacks / pads                        | S                                                | 35  | Overload test                                           | NA     |
| 17                                                                               | Tires / rims / wheel bolts                              | S                                                | 36  | NDT(If applicable)                                      | S      |
| 18                                                                               | Foot brake /Parking brake                               | S                                                | 37  | Other Test (If applicable)                              | NA     |
| 19                                                                               | Slew system/ mounting/functional condition              | S                                                | 38  | General Condition                                       | S      |
| Details of tools/equipments used: STS-LD-63; STS-VC-7949                         |                                                         |                                                  |     |                                                         |        |
| Findings/Critical Findings Report                                                |                                                         |                                                  |     |                                                         |        |
| F/CF                                                                             | No.                                                     | Remarks                                          |     |                                                         |        |
| F                                                                                | 23                                                      | Need To Be Verified During Over Load Test        |     |                                                         |        |
| F                                                                                | 36                                                      | Inspected Date & Certs : 04/06/2021; O/46724/123 |     |                                                         |        |
|                                                                                  |                                                         |                                                  |     |                                                         |        |

