



## **CERTIFICATE OF THOROUGH EXAMINATION OF MOBILE CRANE**

**Certificate No: V/46970/21/06/11**

**Date of Inspection: 29/06/2021**

Crane details						
Name and Address of the Owner:		TRUCK OMAN NORTH				
Make & Date of Manufacture:		GROVE MANITOWOC; 2015				
Location of Inspection:		ADAM				
Ref. Standard:		BS 7121-2-3; SP 2275				
Registration No.& Owner No.:		8331 HA ; TO-2560				
Model and Serial No.:		GMK 4100L ; 41005752				
Date of previous inspection / cert. No.:		07/09/2020; O/44490/07				
Date of next inspection and testing :		28/06/2022				
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		22mm ; Satisfactory				
Main hoist wire rope certificate No.:		DW-9003 ( MBL-283.30 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	All Terrain	100t	11.65m To 60m	NA	Fixed	
Crane present configuration at the time of inspection:		Boom length (m)	Radius (m)	Applied load (Tonne)	Safe working load (Tonne)	
SWL @ No of falls: 45.6t @ 8 Falls (RCI Single fall value is 5.7 t)		Minimum	11.65	9	29.5	29.5
counter weight: Fixed		Intermediate	28.52	15	15.2	15.2
Main hook/Aux hook SWL: 63t / NF		Maximum	44.29	28	5.3	5.3
Main hook SL no: 45766-4		Auxiliary hoist (where applicable)	---	---	---	---
Aux hook SL No: Not Available						
<b>Conclusion:</b> Fit for its intended use at the time of examination.						
<p><b><i>This certificate becomes invalid if any Alteration/Major Repair and modification is done.</i></b> 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: Mr. Gishin  
Malik Mohammed

Thomas

Inspected by, Name & Signature:



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

**Certificate No: V/46970/21/06/11**

**Date of Inspection: 29/06/2021**

Status Legend: S- Satisfactory NA-Not applicable F-Findings CF-Critical Findings					
No.	Description	Status	No.	Description	Status
1	Operations Manual/Catalogue	S	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)	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/equipments used: STS-LD-53; STS-LD-60; DLM 3088**

## **Findings/Critical Findings Report**

F/CF	No.	Remarks
F	21	Slew ring bearing clearance measurement report to be presented during next inspection
F	37	HOOK MPI Done On 29/06/2021; V/46970/11
F	33	Recommended to hand held

