

CERTIFICATE OF THOROUGH EXAMINATION

This report complies with the Lifting Operation and Lifting Equipment Regulations

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Date of Through Examination: 24/08/2026	Date of Report: 24/08/2026	Report Number: RAS-AM-260830063
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<u>Description and identification of the equipment:</u>	<u>Manufacturer:</u> TADANO, LTD <u>Year of Manufacture:</u> 2009 <u>Model:</u> GT-550E-1-00102 <u>Serial Number:</u> 437654 <u>Chassis Number:</u> JTX4255A660D0038 <u>Plate Number:</u> 14 A4395		
Mobile Crane, Diesel powered, Hydraulic Operated, Telescoping Boom			
<u>Name and address of employer for whom the thorough examination was made:</u> AL- YAMAMAH <u>Address of premises at which the examination was made:</u> RAS YARD	<u>Main Hoist Wire Diameter:</u> 19 (mm) <u>Auxiliary Hoist Wire Diameter:</u> 19 (mm) <u>Main Hoist Capacity:</u> 35 (Ton) <u>Auxiliary Hoist Capacity:</u> 4.5 (Ton) <u>Main Hook Serial Number:</u> MH1 <u>Auxiliary Hook Serial Number:</u> AH1	<u>Boom Length (Max-Min)</u> 11.1 – 42.0 (Meter) <u>Crane Capacity:</u> 55 Ton <u>Safe Working Load (SWL):</u> 35.0 ton as per M. Hook Capacity	

EXAMINED IN ACCORDING TO BS EN 7121-2-3

Description Details of Load Test @4 Falls	Boom Length (m)	Radius (m)	SWL (Ton)	Test Load (Ton)
Load test at 100 % SWL @4 Falls (Min.radius)	11.1	3.0	55.0	NIL
Load test at 100 % SWL (Intermediate radius)	18.8	11.0	9.1	9.1
Load test at 100 % SWL (Max. radius)	26.6	12.0	8.6	Function Test

Is this the first examination after installation or assembly at a new site or location?	YES				NO				Was the examination carried out:			
									Within an interval of 6 months?			
If the answer to the above question is YES, has the equipment been installed correctly?	YES				NO				Within an interval of 12 months?			
									In accordance with an examination scheme?			
									After the occurrence of exceptional circumstances?			

Particulars of any repair, renewal or alteration required to remedy the defect identified above: **NONE**

Is the above a defect which is of immediate danger to persons YES NO

Is the above a defect which is not yet but could become a danger to persons: (if YES state the date by when) **NONE** Yes by:

Identification of any part found to have a defect which is or could become a danger to persons and a description of the defect: **NONE**

Particulars of any test carried out as part of examination:

The Equipment Has Been Function; Load & Performance Tested as Per BS 7121-2-1 & BS 7121-2-3:2012 And MPI has Been Done to the Hook According to ASTM E 709

IS THIS EQUIPMENT SAFE TO OPERATE? YES NO

Name & Qualifications of person making this report: **Ahmed Yahya** Signature: **Mustafa Salman** Latest date by which next thorough examination must be carried out: **23/08/2027**

Name and address of employer of person making and authenticating this report: **Hussein Ali Hussein, Basra, Burjesia**



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GENERAL DESCRIPTION OF THE EQUIPMENT	Status			
	OK	NO	NA	Comments
1 – OPERATOR CAB				
Manufacturer's operation manual	✓			
Load chart & operator competency certificate	✓			
Controls / marking & air condition	✓			
Window / wipers / chair / door look & seals	✓			
Body work	✓			
2 – Boom				
Head section / root section / intermediate sections	✓			
Jib, boom, turret, boom extension	✓			
Joining pins or bolts	✓			
Foot pins & bushes	✓			
Sheaves, pins & structures	✓			
Chords	✓			
Lights	✓			
3 – SAFE LOAD INDICATOR				
Load indicator	✓			
Radius indicator	✓			
Angle	✓			
Audible warning	✓			
Visible warning	✓			
4 – CHASSIS				
Structural member / welding	✓			
Security of fastening	✓			
Electrical wiring / pipe work / body work	✓			
Level indicator / main block traveling connection point	✓			
Lights	✓			
5 – WHEELS				
Tier walls	✓			
Wheel nut security	✓			
Tier pressure	✓			
Thread	✓			
Rims	✓			
Bearings	✓			



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6 – OUTRIGGERS	OK	NO	NA	Comments
Locking mechanism	✓			
Retraction / Travel alarm	✓			No Travel Alarm
Foot pads / Hydraulic hoses and fittings	✓			
Seals	✓			
7 - SLEWRING	OK	NO	NA	Comments
Brake / rocking motions / Bolts	✓			
Lubrication	✓			
Gear teeth on slew ring and pinion	✓			
Clutch	✓			
8 – COUNTERWEIGHTS	OK	NO	NA	Comments
Security / Connection / Hydraulics / Rams	✓			
Hoses	✓			
Fittings	✓			
9 – MAIN BLOCK / WHIP LINE	OK	NO	NA	Comments
Hook / Safety Latch	✓			
Sheaves / Structure / Pins	✓			
Whip line Capacity	✓			
Main block Capacity	✓			
10 - WINCHES	OK	NO	NA	Comments
Drum	✓			
Rope anchor	✓			
Spooling	✓			
Brake	✓			
Rope guards	✓			
Clutches	✓			
11 - WIRE ROPE	OK	NO	NA	Comments
Main hoist wire rope	✓			
Termination	✓			
Boom wire rope	✓			
Wedge socket	✓			
Whip line wire rope	✓			
12 – SAFETY DEVICES	OK	NO	NA	Comments
Level indicator or Spirit level	✓			
Load limiter	✓			
Limit stops relating to lifting motions	✓			



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GT-550E RATED LIFTING CAPACITIES (BOOM)
UNIT: X 1000kg CLASS OF CRANE: C3

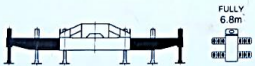
Outriggers fully extended 6.8m		11.1m		15.0m		18.8m boom		26.6m boom		34.3m boom		38.1m		42.0m	
Load radius (m)	boom	boom	boom	boom	boom	boom	boom	boom	boom	boom	boom	boom	boom	boom	boom
3.0	69	55.0	75	40.0	78	28.0	78	20.0							
3.5	66	43.7	73	40.0	77	28.0	77	20.0							
4.0	63	38.5	71	38.1	75	28.0	75	20.0							
4.5	60	34.2	68	33.8	73	28.0	73	19.8	79	20.0	79	14.0			
5.0	57	30.8	65	30.4	72	28.0	72	19.0	78	20.0	78	14.0			
5.5	53	27.8	64	27.4	70	27.2	70	18.2	77	20.0	77	13.6			
6.0	50	25.4	62	25.0	68	24.7	68	17.5	76	20.0	76	12.8	80	14.0	80
6.5	46	23.2	60	22.8	67	22.5	67	16.8	75	18.9	75	12.0	79	14.0	79
7.0	42	21.4	57	21.0	65	20.7	65	16.2	74	17.8	74	11.4	78	13.5	78
7.5	38	19.7	55	19.3	63	19.1	63	15.7	73	16.7	73	10.8	77	13.0	77
8.0	33	18.3	53	17.9	62	17.6	62	15.2	71	15.8	71	10.2	76	12.5	76
9.0	21	15.2	47	14.6	58	14.2	58	14.2	69	9.3	75	11.3	75	7.6	77
10.0		42	11.6	54	11.3	54	13.5	67	12.5	67	8.5	73	10.4	73	7.0
11.0		35	9.5	50	9.1	50	11.4	64	10.3	64	7.8	71	9.6	71	6.4
12.0		27	7.8	46	7.5	46	9.6	62	8.6	62	7.2	69	8.8	69	5.8
14.0			36	5.1	36	7.2	57	6.2	57	6.2	66	8.8	66	4.9	69
16.0				23	3.5	23	5.5	51	4.5	51	5.4	62	5.1	62	4.2
18.0							40	3.3	40	4.7	56	3.9	56	3.8	62
20.0							38	2.4	38	3.7	54	3.0	54	3.2	68
22.0							30	1.7	30	3.0	49	2.2	49	2.8	65
24.0							18	1.2	18	2.4	44	1.6	44	2.5	61
26.0											39	1.2	39	2.1	57
28.0											33	0.8	33	1.7	53
30.0											28	0.5	28	1.4	49
32.0											14	1.1	32	0.7	40
34.0															24

Telescoping conditions (%)		11.1m		15.0m		18.8m boom		26.6m boom		34.3m boom		38.1m		42.0m	
1st boom	0	50	100	0	100	0	100	0	100	0	100	0	100	0	100
2nd boom	0	0	0	33	33	66	66	100	100	100	100	100	100	100	100
3rd boom	0	0	0	33	33	66	66	100	100	100	100	100	100	100	100
4th boom	0	0	0	33	33	66	66	100	100	100	100	100	100	100	100
Tip boom	0	0	0	33	33	66	66	100	100	100	100	100	100	100	100

Δ : Loaded boom angle (°)

Δ : Minimum boom angle (°)

for indicated length (no load)



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LOAD TEST & NDT (MPI) REPORT			
Report No:	260830063	Examination Date:	24/08/2026
LOAD TEST			
Equipment Details			
Load Cell Serial No: 30682 / 25532	Vernier Caliper S/N: 400 0576 010	Measuring Tape S/N: N/A	

NDT (MPI) FOR CRANE'S HOOK					
NDT Details					
Standard:	ASTME 709	Equipment type:	PERMENANT YOKE	Contrast Media:	WHITE CONTRAST
Viewing Condition	Colored media	Method	WET	Indicator:	BLACK INK
NDT Equipment Details					
YOKE S/N	A12-512	WHITE CONTRAST	MagnavisWCP-2	BLACK INK	Magnavis7HF
					

Hook Details			
Main Hook Serial Number:	MH1	Aux. Hook Serial Number:	AH1
Main Hook SWL:	35 Ton	Aux. Hook SWL:	4.5 Ton
NDT Procedure			
Visual & MPI CARRIED OUT FOR THE ABOVE DESCRIPTION AND FOUND FREE OF SURFACE DEFECTS AT THE TIME OF INSPECTION			
Identification of any part found to have a defect and a description of the defect: NONE			
Particulars of any repair, renewal or alteration required to remedy the defect identified above: NONE			
ASNT Level II Inspector Name & Signature: <u>Ahmed Yahya</u>		RESULT: PASS	

