



Aberdeen Technical Services - Iraq

CERTIFICATE OF TEST AND THOROUGH EXAMINATION OF LIFTING EQUIPMENT – MOBILE CRANE

This Report Complies with The Requirements of The Lifting Operations and Lifting Equipment Regulations 1998 S.I. No. 2307

Owner / company:	World Ways	Date of Certificate:	15/11/2020				
Location of Examination:	ATS YARD	Date of Examination	15/11/2020				
Certificate Number:	ATS-C/R-C-WW-20-11-001	Serial No.:	437605				
Manufacturer / Maker of crane:	TADANO	Type / Model:	GT-550-E				
Date of Manufacture:	2006	SWL:	55 Tonne				
Plate registration number:	Qadisya 50164	Chassis No:	JNB0KG4840000193				
Description of equipment	<p>Diesel Operated Hydraulic Telescopic Boom Mobile Crane Maximum capacity (SWL) 55 Tonne @ 11.1m. boom length, 3.0 m. Radius, on 12 falls configurations with special equipment</p> <p>Main Hoist: - Wire rope: - 20 mm IWRC. Basic Boom length: - 11.2 m. SWL : 55 TON Maximum lifting height: - 42.0 m. ID NO. R-125</p> <p>AUX. Hoist: - Wire rope: - 20 mm IWRC. SWL : 4.5 Tonne Line pull test: - (on single part of line) ID NO. R-126 * Registrar on No: Qadisya 50164.</p>						
Reference Standards	BS 7121 3 2017 A1 2019						
	No. Of Falls	Radius (m)	Boom Length (m)				
Main Block	12	3.0 m	11.1 m				
	10	5.0 m	15.0 m				
	4	7.0 m	34.3 m				
Aux Line	1	3	11.1 m				
			SWL (TON)				
			55 TON				
			30.400 TON				
			8.000 TON				
			4.500 TON				
			Applied Load (TON)				
			FUNCTIONAL TEST				
			FUNCTIONAL TEST				
			FUNCTIONAL TEST				
			FUNCTIONAL TEST				
FOUND OK FOR ALL POINTS TAKING @ RCI FUNCTION TEST							
Last Inspection Date	Next Inspection Due Date	Last Proof Load Test Date	Next Proof Load Test Due				
16/11/2019	After repair	By Manufacturer	AFTER REPAIR OR MODIFICATION				
Is this the first examination after installation or assembly at a new site or location?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>			
	Was the examination carried out:		Within an interval of 6 months?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
			Within an interval of 12 months?	YES	<input checked="" type="checkbox"/>	NO	<input type="checkbox"/>
	If the answer to the above question is YES has the equipment been installed correctly?		In accordance with an examination scheme?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>
		After the occurrence of exceptional circumstances?	YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Identification of any part found to have a defect which is or could become a danger to persons and a description of the defect: (If none state NONE)							
Wire rope defects in main hook & Internal oil leakage in one of the outriggers							
Is the Above A Defect Which Is of Immediate Danger to Persons			YES	<input type="checkbox"/>	NO	<input checked="" type="checkbox"/>	
Is the Above A Defect Which Is Not Yet but Could Become A Danger to Persons: (If YES State The Date By When)			NO	<input checked="" type="checkbox"/>	YES	<input type="checkbox"/>	
Particulars Of Any Repair, Renewal Or Alteration Required To Remedy The Defect Identified Above:							
Wire needs to be changed, outrigger shall be repaired							
Particulars Of Any Tests Carried Out As Part Of The Examination: (If None State NONE)							
Visual inspection was carried out & found Unsatisfactory @ the time of inspection.							
Functional test was carried out and found Satisfactory @ the time of inspection.							
Is This Equipment Safe to Operate?			Yes Accept	<input type="checkbox"/>	NO Reject	<input checked="" type="checkbox"/>	
Inspector Name & signature:	Authorized By:	Stamp and Date:					
Karam Farid	Mujtaba Ali Abed	15/11/2020					



THIS IS TO CERTIFY THAT: a competent person did attend the above-mentioned owner's work location on the date shown above and the equipment described in this report was tested & inspected as per the requirements of Lifting Operations Lifting Equipment Regulation "LOLER". The result was found **Unsatisfactory** at the time of Inspection and considered **Unsafe** for Lifting.



ATS-LIF-F-005 ISSUE 2 NOV 2020

Aberdeen Technical Services
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Thorough Examination of Mobile Crane - Checklist

Owner / Company:	World Ways	Crane Type / Model:	GT-550-E
Location of inspection:	AT3 YARD	Serial No.:	437605
Manufacturer / Maker:	TADANO	Chassis No:	JNB0KG48400000193
Date of manufacture	2006	SWL:	55 Tonne
Date of Inspection:	15/11/2020	Plate registration No:	Qadisias 50164

Inspected item / Point	Comments	Accept	Reject
Marking of Identification Number		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Marking of controls		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Marking of warning/safety notes		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Crane charts		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Engine (gearbox, filters, belts, pulleys, radiator, hoses, mechanical parts, etc.)		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Brakes, discs		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Tyres		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Wheels		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Crane chassis		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outrigger jacks	Internal oil leakage in one outrigger	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Outrigger pins		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outrigger controls		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outrigger level gauges		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Outrigger pads / mats		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fastenings		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Valves		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic tank		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic cylinders		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic cylinder fittings		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fuel tank		<input checked="" type="checkbox"/>	<input type="checkbox"/>
RCI/RCL		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Limit switches		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Lubrication		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slew section structure		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slewing mechanism (jib at max. radius)		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pipe work and connections		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hydraulic system operation high & low limits		<input checked="" type="checkbox"/>	<input type="checkbox"/>

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Inspected item / Point	Comments	Accept		Reject	
		✓	✗	✓	✗
Fluids: levels, leakage	Engine Coolant	✓	✗		
	Oil	✓	✗		
	Radiator Water	✓	✗		
	Hydraulic Fluid	✓	✗		
Superstructure		✓	✗		
Rotex gear / rotating frame		✓	✗		
Boom and boom cylinder		✓	✗		
Jib		✓	✗		
Fly jib and mounting attachment		✓	✗		
Crane attachments		✓	✗		
Main hook block condition		✓	✗		
Aux. Hook block condition		✓	✗		
Pulleys		✓	✗		
Sheaves		✓	✗		
Drums		✓	✗		
Wire ropes: condition, reeving, functionality	Mechanical damage and Local increase in rope diameter due to core protrusion	✗	✗		✓
Ladders		✓	✗		
Walkways		✓	✗		
Guard rails		✓	✗		
Hand holds		✓	✗		
cabs controls/levers		✓	✗		
Cabs gauges		✓	✗		
Cabs seating, seatbelts		✓	✗		
Cabs doors, windows and mirrors		✓	✗		
Cabs: heat and ventilation systems		✓	✗		
Windscreen wipers and washers		✓	✗		
Cabs heating system		✓	✗		
Cabs: Falling Object Protection FOP		✓	✗		
Counterweights		✓	✗		

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Inspected item / Point	Comments	Accept	Reject
Hoist and luffing winches and brakes		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cables and wiring		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Slip rings		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Guards: presence, condition		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Battery, wires, electricity		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sensors and limit switches		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Front and tail lights, warning beacon, and warning lights		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Alarm sounds		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Overload alarm / protection		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Horn		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Anti-two block		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Crane: functionality (Hoist, swing, boom up/down, boom telescoping, steering, brakes)		<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other observation(s)			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Inspector name and signature:

Karam Farid
Karam Farid

Date and Stamp:

15/11/2020



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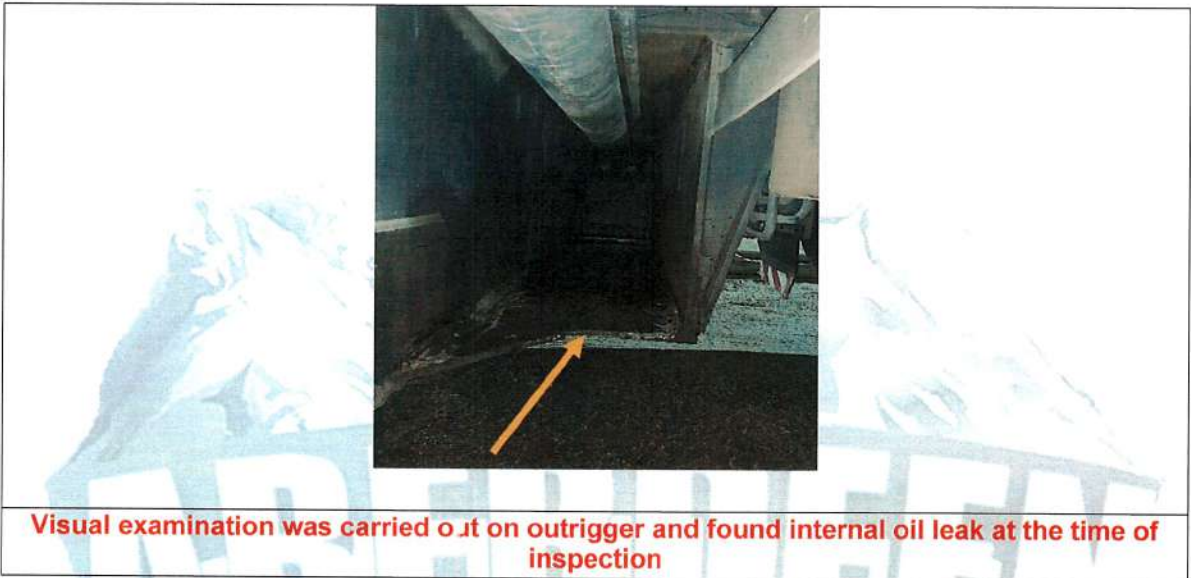


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Observations and Pictures:



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Visual examination was carried out on RCI and found ok at the time of inspection



Visual examination was carried out on Tires and found ok at the time of inspection

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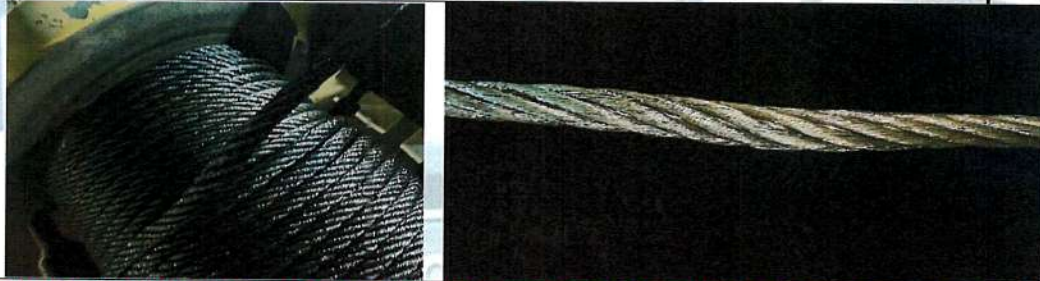
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Date of Inspection:	15.11/2020	Plate registration No:	Qadisia 50164



Visual examination was carried out on a drum wire and found ok at the time of inspection



Visual examination was carried out on wire rope and found open-strand and mechanical damage at the time of inspection

Final Conclusion
Not safe to operate

Inspector name and signature:

Karam Fariq

Date and Stamp:
15/11/2020



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Magnetic Particles Inspection Certificate

ATS-NDT-2-002 ISSUE 2 NOV 2020

Certificate No: ATS-C/R-C-WW-20-11-001	Procedure No: ATS-NDT-P-001	Location: ATS YARD	Date of Inspection: 15/11/2020
Client: World Ways	Work order No.: Verbal Confirmation		Item(s) to be inspected: Diesel Operated Hydraulic Telescope Boom Truck Crane
Relative Standard/Specification : ASTM E 709-15			Material: Carbon Steel
Acceptance Criteria : BS EN 7121-3			Surface Condition: Smooth/Clean
			Thickness: N/A
			OD: N/A

Method of inspection:	<input type="checkbox"/> Dry	<input checked="" type="checkbox"/> Wet	Technical Data	<input checked="" type="checkbox"/> Visible	<input type="checkbox"/> Fluorescent	<input type="checkbox"/> Residual	<input checked="" type="checkbox"/> Continuous
Direction for Field:	<input type="checkbox"/> Circular	<input checked="" type="checkbox"/> Longitudinal	Light intensity: 1251 LUX				
Post-examination Demagnetizing Technique - if Required: N/A							
Post-cleaning: Done							

Magnetizing Instrument - Type: Permanent yoke	Maker:	Model:	Equipment	S. No:	Cal. Due Date: 8/11/2021
Magnetic Particles - Type: aerosol spray can	Maker:	Magnafix	SKPY19	Batch / S. No:	Expiry date: OCT 2022
White Contrast Paint - Type: Aerosol spray can	Maker:	Magnafix	Magnavis@7HF	191001/008A009	Expiry date: APR 2022
Field Indicator - Type: Gauss meter	Maker:	Western Instrument	Magnavis@ WCF-2	190401/008A103	Cal. Due Date: 6/12/2021
Light Source - Type: Day Light	Maker:	N/A	B17	1346	Cal. Due Date: N/A
Light Meter - Type: UV-Visible light meter	Maker:	N/A	XP-2000/F	N/A	Cal. Due Date: 8/5/2021



ID No.	Description of Indication	Accepted / Rejected	Remarks
R125	NO INDICATIONS WERE FOUND AT THE TIME OF INSPECTION	<input checked="" type="checkbox"/>	Accepted
R126	NO INDICATIONS WERE FOUND AT THE TIME OF INSPECTION	<input checked="" type="checkbox"/>	Accepted
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	
		<input type="checkbox"/>	

Results and remarks: Hook blocks are found satisfactory for further use

Inspector Name: Karan Farid	Approved by: Majaiba Ali Abed
Level: NDT Level II	Position: Inspection Supervisor
Date: 15/11/2020	Date: 15/11/2020
Signature:	Signature:

Sponsoring Area
ABERDEEN TECHNICAL SERVICES

Aberdeen Technical Services

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