

CERTIFICATE OF THOROUGH EXAMINATION

This report complies with the Lifting Operation and Lifting Equipment Regulations

Certificate Page: 1 Of 5

Date of Through Examination: 20/08/2026	Date of Report: 20/08/2026	Report Number: RAS-Y-26083050
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<u>Description and identification of the equipment:</u> Mobile Crane, Diesel powered, Hydraulic Operated, Telescoping Boom	<u>Manufacturer:</u> LIEBHERR <u>Year of Manufacture:</u> 2016 <u>Model:</u> LTM 1090-4.2 <u>Serial Number:</u> 0023 027 <u>Chassis Number:</u> W09464500TEL05123 <u>Plate Number:</u> A 84399		
<u>Name and address of employer for whom the thorough examination was made:</u> SEMO AL-MUKAHIM Company <u>Address of premises at which the examination was made:</u> UM-QASER	<u>Main Hoist Wire Diameter:</u> 23(mm) <u>Crane Capacity:</u> 82 Ton <u>Main Hoist Capacity:</u> 63 (Ton) <u>Main Hook Serial Number:</u> 9136 347 08E	<u>Boom Length (Max-Min)</u> 11.7 – 30.2 (Meter) <u>Safe Working Load (SWL):</u> 63 Ton with fully extended outriggers	

EXAMINED IN ACCORDING TO BS EN 7121-2-3

Description Details of Load Test @13 Falls	Boom Length(m)	Radius (m)	SWL (Kg)	Load Test (Kg)
Load test at 100 % SWL @13 Falls (Min.radius)	11.7	3.0	82000	NIL
Load test at 100 % SWL (Intermediate radius)	19.1	5.0	27000	Function Test
Load test at 100 % SWL (Max. radius)	30.2	12.0	11000	Function Test

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

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 **ASTME 709**

IS THIS EQUIPMENT SAFE TO OPERATE?	YES	✓	NO
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Name & Qualifications of person making this report:
Ahmed Yahya

Name of person authenticating this report:
Signature: **Mustafa Saliman**

Latest date by which next thorough examination must be carried out:
19/08/2027

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



CERTIFICATE OF THOROUGH EXAMINATION

This report complies with the Lifting Operation and Lifting Equipment Regulations

Certificate Page: 2 Of 5

Report Number: RAS- Y-26083050

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	✓			



CERTIFICATE OF THOROUGH EXAMINATION

Certificate Page: 3 Of 5

This report complies with the Lifting Operation and Lifting Equipment Regulations

Report Number: RAS- Y-26083050

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	✓			



CERTIFICATE OF THOROUGH EXAMINATION

This report complies with the Lifting Operation and Lifting Equipment Regulations

Certificate Page: 4 Of 5

Report Number: RAS- Y-26083050



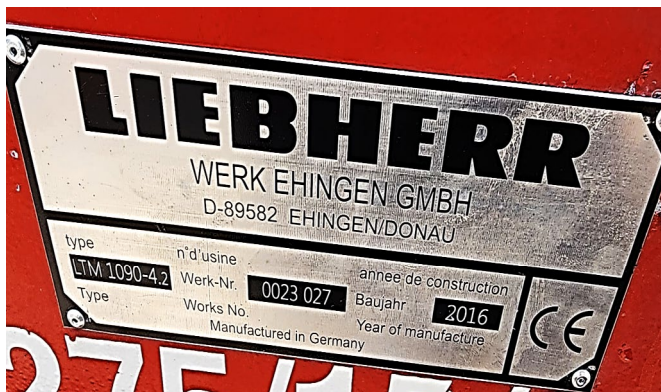
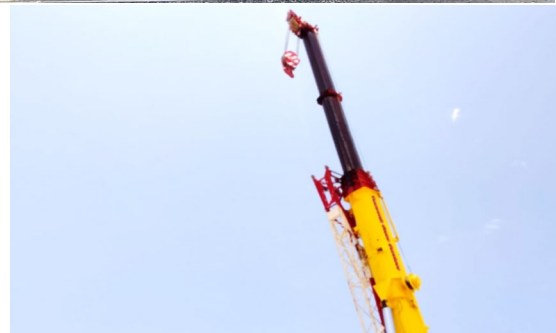
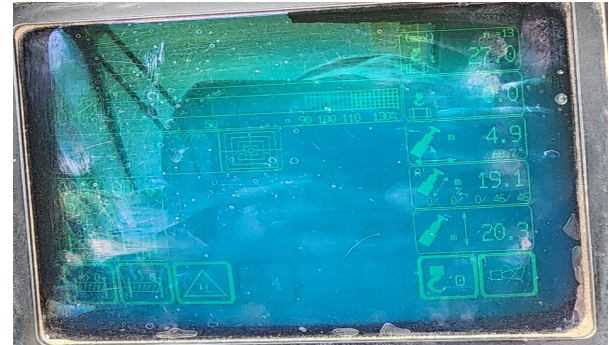
75% DIM

50 m T

0023027

CODE 010(B107 1800

m	11.7	15.4	15.4	19.1	19.1	19.1	22.8	22.8	22.8	26.5	26.5	26.5	30.2	30.2
3.0	80.0													
3.5	75.0	89.0	33.5	60.0	32.0	22.4								
4.0	69.0	84.0	30.0	56.0	30.0	21.1	48.5	22.7	22.5					
4.5	63.0	80.0	30.5	53.0	28.4	19.9	46.0	21.4	21.4	41.0	26.1	18.1		
5.0	58.0	76.0	29.2	50.0	27.0	18.9	43.5	20.2	20.4	38.0	24.7	17.1	35.5	31.3
6.0	49.0	66.0	26.8	44.5	24.5	17.0	39.0	19.2	18.7	35.0	22.5	15.4	31.0	19.3
7.0	41.5	54.0	24.9	40.5	22.4	15.5	35.0	16.5	17.2	31.5	20.3	13.9	28.3	17.6
8.0	34.5	44.0	23.6	33.9	20.6	14.2	31.5	15.1	15.9	28.5	18.6	12.7	26.0	16.1
9.0		38.0	22.1	28.0	18.1	13.1	26.9	13.8	14.8	25.7	17.1	11.7	24.0	14.9
10.0		32.0	21.1	24.4	17.8	12.2	23.1	12.8	13.9	22.2	15.6	10.8	21.7	13.2
13.0		18.7	18.0	18.2	15.2	10.8	17.8	11.6	12.1	11.2	13.7	9.3	17.0	11.4
14.0			14.0	14.2	9.7	13.6	9.7	10.9	13.7	12.0	8.1	13.8	10.4	
16.0							10.7	8.7	10.9	10.7	7.5	11.0	9.2	
18.0								8.8	8.7	9.6	6.4	9.0	8.2	
20.0									7.0	8.7	5.8	7.3	7.4	
22.0										5.6	7.8	5.3	5.9	6.7
24.0													4.8	6.1
26.0														5.7
28.0														
30.0														
32.0														
34.0														
36.0														
38.0														
40.0														
42.0														
44.0														
* n *														
12 10 5 8 5 3 7 3 3 6 4 3 5 3														
1	0+	0+	0+	46+	0+	0+	92+	0+	0+	92+	0+	92+	0+	
2	0+	46+	0+	46+	0+	0+	46+	0+	0+	92+	0+	92+	0+	
3	0+	0+	0+	0+	0+	0+	0+	0+	0+	92+	0+	46+	92+	
4	0+	0+	0+	0+	46+	0+	92+	46+	0+	46+	92+	0+	92+	
5	0+	0+	46+	0+	46+	92+	0+	46+	92+	0+	46+	92+	0+	46+
m/s														
	14.3	14.3	14.3	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8	12.8



CERTIFICATE OF THOROUGH EXAMINATION

This report complies with the Lifting Operation and Lifting Equipment Regulations

Report Number: RAS- Y-26083050

Certificate Page: 5 Of 5

LOAD TEST & NDT (MPI) REPORT			
Report No:	26083050	Examination Date:	20/08/2026
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:	9136 347 08E
Main Hook SWL:	63 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: Ahmed Yahya	RESULT: PASS

