

CERTIFICATE OF THOROUGH EXAMINATION

This report complies with the Lifting Operation and Lifting Equipment Regulations

Certificate Page: 1 Of 5

Date of Through Examination: 28/07/2026	Date of Report: 28/07/2026	Report Number: RAS-U-2607301474
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<u>Description and identification of the equipment:</u>	<u>Manufacturer:</u> GROVE		
Rough Terrain Crane, Diesel powered, Hydraulic Operated, Telescoping Boom	<u>Year of Manufacture:</u> 2014		
	<u>Model:</u> RT770E		
<u>Name and address of employer for whom the thorough examination was made:</u>	<u>Serial Number:</u> 234636		
HYUNDAI E&C Company	<u>Chassis Number:</u> 234636		
<u>Address of premises at which the examination was made:</u>	<u>Plate Number:</u> 1206 Basra		
HYUNDAI Workshop Yard / BRUP	<u>Main Hoist Wire Diameter:</u> 19(mm)	<u>Boom Length (Max-Min)</u>	
	<u>Aux. Hoist Wire Diameter:</u> 19(mm)	11.1 – 42.0 (Meter)	
	<u>Main Hoist Capacity:</u> 66 (Ton)	<u>Crane Capacity:</u>	
	<u>Main Hook Serial Number:</u> 14-1283	65 Ton	
	<u>Aux. Hoist Capacity:</u> 7 (Ton)	<u>Safe Working Load (SWL):</u>	
	<u>Aux. Hook Serial Number:</u> G40	65 Ton with fully extended outriggers	

EXAMINED IN ACCORDING TO BS EN 7121-2-3

Description Details of Load Test @4 Falls	Boom Length(m)	Radius (m)	SWL (Kg)	Proof Load (Kg)
Load test at 100 % SWL @4 Falls (Min.radius)	11.1	2.5	28000	NIL
Load test at 100 % SWL (Intermediate radius)	18.7	14.0	8540	9394
Load test at 100 % SWL (Max. radius)	26.5	20.0	4670	4670
Using Auxiliary Block	34.2	26.0	2775	3468

Is this the first examination after installation or assembly at a new site or location?	Was the examination carried out:			
	YES		NO	✓
If the answer to the above question is YES, has the equipment been installed correctly?	Within an interval of 6 months?			
	YES		NO	✓
	Within an interval of 12 months?			
	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 & Proof Load Tested as Per **BS 7121-2-1 & BS 7121-2-3:2012** And MPI has Been Done to the Main & Single Hook According to **ASTME 709**

IS THIS EQUIPMENT SAFE TO OPERATE? **YES** ✓ **NO**

Name & Qualifications of person making this report: **Ahmed Yahya**
 Name of person authenticating this report: **Signature: Mustafa Salman**
 Latest date by which next thorough examination must be carried out: **27/07/2027**

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



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Report Number: RAS-U-2607301474

Certificate Page: 2 Of 5

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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Report Number: RAS-U-2607301474

Certificate Page: 3 Of 5

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

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Report Number: RAS-U-2607301474

Certificate Page: 4 Of 5



Main boom length in meters - RCL code #9001																	
Radius in meters		11.1	14.9	15.0	18.7	18.8	22.6	22.7	26.5	26.6	30.4	30.5	34.2	34.4	38.1	38.2	42.0
Table 1	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
Table 2	0%	0%	0%	17%	0%	33%	17%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
Table 3	0%	0%	0%	17%	0%	33%	17%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
Table 4	0%	0%	0%	17%	0%	33%	17%	33%	33%	33%	33%	33%	33%	33%	33%	33%	33%
Mode	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A
2.5	85,000 (72.5)																
3	41,475 (88.5)	22,875 (75.5)															
3.5	33,000 (87)	22,875 (75.5)	22,875 (75.5)														
4	47,450 (94)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)													
4.5	42,275 (81)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)												
5	39,250 (87.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)											
6	34,250 (83)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)										
7	24,325 (41)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)									
8	24,150 (38.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)	22,875 (75.5)								
9	20,600 (19.5)	19,775 (48)	19,775 (48)	19,775 (48)	19,775 (48)	19,775 (48)	19,775 (48)	19,775 (48)	19,775 (48)	19,775 (48)							
10	18,975 (40)	16,375 (37)	16,375 (37)	16,375 (37)	16,375 (37)	16,375 (37)	16,375 (37)	16,375 (37)	16,375 (37)	16,375 (37)	16,375 (37)						
12	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)	12,250 (27)
14	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)	8,940 (20)
16	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
18	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
20	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
22	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
24	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
26	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
28	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
30	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
32	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
34	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
36	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
38	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)
40	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)	8,245 (19)



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Report Number: RAS-U-2607301474

Certificate Page: 5 Of 5

LOAD TEST & NDT (MPI) REPORT			
Report No:	2607301474	Examination Date:	28/07/2026
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:	14-1283	Auxiliary Hook Serial Number:	G40
Main Hook SWL:	66 Ton	Auxiliary Hook SWL:	7 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	

