

Crane Inspection Report

Owner: _____	Contact Person: _____	Date: <u>2/28/2023</u>
Location: _____		
Make: <u>Grove</u>	Model: <u>RT770E</u>	Serial #: <u>236579</u>
unit#: _____	Max Capacity: <u>70 ton</u>	Inspector: <i>[Signature]</i>
Purpose of Inspection: _____	Quadrennial: _____	Maritime: _____ Annual: <u>x</u>

Status: S = Satisfactory X = Deficiency N/A = Not Applicable

ITEM	STATUS	ITEM	STATUS	ITEM	STATUS	ITEM	STATUS
Service Status at Time of Survey		Crawler Type		Operator's Cab & Station Cont.		Main Boom	
Hook	s	Tracks & Pads	n/a	Operators Manual	s	Lattice	n/a
Clamshell	n/a	Roller Pins	n/a	Operating Instructions/Decals	S	Hydraulics	s
Special Container	n/a	Pin Locks	n/a	Electrocution Warning Sign	S	Lift Cylinders	s
Other	n/a	Drive Chains	n/a	Hand Signal Charts	S	Telescoping Cylinder(s)	s
General		Cutting Clutches	n/a	Parking Brake	s	Hydraulic Hoses/Tubing/Fittings	s
Sheet Metal	S	rough Terrain		Swing Brake	S	Holding Device	s
Guards/Covers	S	Transmission	s	Positive Swing Lock	n/a	Boom Sections Alignment	s
Safety/Warning Decals & Labels	S	Drive Line	s	Controls-Forces/Movements	S	Wear Pads	s
Driver's Cab & Station (Truck)		Tires/Wheels	s	Brakes, Parts & Linings	n/a	Equal Extension	s
Access - Grab Rails/Steps	s	Tire Air Pressure	s	Clutch, Parts & Linings	n/a	Sheaves	S
Glass	s	Main Frame Members	s	Master Clutch Sign	n/a	Hoist Line Dead End	S
Windshield Wiper(s)	s	Hydraulic Hoses/Tubing/Fittings	s	Horn/Warning Device	S	Wire Rope Retainer	S
Door Restraint	s	Hudraulic Fluid Level	s	Load Chart		Boom Hinge Pin	S
Mirrors	s	Anti-Skid Surface	s	Per Configuration	S	Boom Head Section	S
Fire Extinguishers	s	Axle Lock-Out	s	Durable	S	Cords	n/a
Parking Brake	s	Backup Alarm	s	Legible	S	Lacings	n/a
Air Pressure	s	Outriggers		Visible from Operator's Station	S	Lattice Boom Extension & Jib	
Controls Identified	s	Boxes	s	Secured	S	Boom Extension Alignment	s
Instruments / Gauges	s	Beams	s	Safety Devices / Operational Aids		Cords	s
Electrical Switches /Functions	S	Cylinders	s	Boom Angle Indicator	s	Lattices	s
Horn	s	Pads & Keepers	s	Boom Length Indicator	s	End Connections	s
Lights	n/a	Hydraulic Hoses/Tubing/Fittings	s	Main Drum Rotation Indicator	s	Storage Device	s
Steering	s	Holding Valves	s	Aux. Drum Rotation Indicator	s	Sheave(s)	s
Accelerator	s	Position Locks	s	Load Movement Indicator	s	Wire Rope Runner	s
Brake	s	Warning Signs	s	Load Weight Indicator	s	Structure	s
		Operator Cab		Radius Indicator	s		
		Grab Rails/Steps/Platforms	S	Crane Level Indicator	s		
		Anti-Skid Surface	S	Anti-Two Lock Device	s		
		Glass	s	Hoist Drums			
		Windshield Wiper(s)	s	Main	S		
		Door Restraint	s	Aux Sowed	s		
		Fire Extinguishers	s	3rd	n/a		
		Mirrors	s	Boom Hoist	n/a		

Wire Rope

Rope Application	Type	Size	Construct	Grade	Core	Rope Damage	Measured Wear	Broken Wires	Lubrication	End Sections	Status
Main Hoist	RR	3/4"	18x19	EIP	IWRC		S		S	S	s
Auxillary Hoist	RR	3/4"	18x19	EIP	IWRC		s		s	s	s
Pendants	N/A										
Boom Hoist	N/A										

Main Load Block

Manufacturer	Johnson
Rated Capacity	60 Ton
Block Weight	1276 lbs

ITEM	status
Capacity Marking	s
Weight Marking	s
Sheaves	s
Safety Latches	s
Swivel	s
Bearing	s
Wedge Socket / End Fitting	s

AUX Block or Ball

Manufacturer	N/A
Rated Capacity	
Weight	

ITEM	STATUS
Capacity Marking	
Weight Marking	
Sheaves	
Safety Latches	
Swivel	
Bearing	
Wedge Socket / End Fitting	
In use	

No-Load Operational Test

ITEM	STATUS	Caution: Operation of cranes by inspectors shall be limited to those crane functions necessary to accomplish the inspection. Inspectors must have met all operator trainee qualification requirements as outlined in ANSI/ASME B30.5 i.e. passed physical and written examinations.
No-Load Operational Test	Inspection Only	No Load Test

Load Test

Hoisting From:	Boom/Ext./Jib Length	Load Radius	Boom Angle	Parts of Line	Rated Capacity	Test Weight	% of Rated Capacity
Main Boom	137	30		4	18,600	20,400	110%
Auxillary			s				
Whip							
Jib							

Results of Load Test: x Passed Failed

Caution: Load Test shall be conducted by a qualified person using only operators who have met all operator qualification requirements as outlined in ANSI/ASME B30.5. i.e. passed physical, written and practical examinations for type crane operated.