



HYDRAULIC BOOM CRAWLER CRANE

Report

HBCC A 178596-9



CraneSafe®

Div of The Crane Industry Council of Australia
ABN 73 002 565 773

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Initial Inspection Date: 13/06/2023

Conforms to Checklist: Yes

Issued Date: 12/07/2023

Next Inspection Date: 16/07/2024

COMPANY

RAR Group

ABN 53 629 970 252

PO Box 61 CAMPBELL ACT 2612

REPRESENTATIVE

Andrew Bodman

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ASSESSED BY

Matt Robertson

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COMPANY

Allcranes & Equipment Inspections Pty Ltd

PO Box 748 KIAMA

NSW 2533



Maeda MC405CRM

UPPER HOURS
949

SERIAL NUMBER
E0415

PLANT NUMBER
719

DESIGN REGISTRATION NUMBER
N/A

PLANT REGISTRATION NUMBER
N/A

YOM
2016

MAX LOAD
3830 KG

Assessment

Country Where Assessed	Australia
State	NSW
Operators Manual in English	OK
Log Book	OK
Maintenance Records	OK
Crane Safety Manual	No
Major Inspection Report Sighted	No



This report is confirmation that the crane has undergone an annual inspection to the appropriate standard and is considered safe for continued operation at time of inspection. This report is confirmation that the crane has undergone a visual inspection on the date(s) stated and meets the standards of the CraneSafe assessment program at the time of inspection. The CraneSafe annual inspection is in addition to and does not replace pre-operation and routine inspections, maintenance and repairs necessary to comply with work, health and safety laws and requirements. In no event shall either CraneSafe or CraneSafe Endorsed Assessors be liable for any direct, indirect, punitive, incidental, special or consequential damages, including but not limited to loss of income, revenue, opportunity, goodwill, profit, anticipated saving or value of equipment arising out of or in any way connected with the use of the services, whether based on contract, tort, strict liability or otherwise, even if advised of the possibility of any such damages. This report is provided solely for the benefit of the Company named on its face. No other person is entitled to rely on anything contained in this Report and must make and rely solely on their own inspection and assessment in all respects and for all purposes.

Accredited for compliance with ISO/IEC 17020

NATA is a signatory to the ILAC Mutual Recognition Arrangement for the mutual recognition of the equivalence of testing, medical testing, calibration and inspection reports

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Boom and Attachments

Base Section	OK	Boom Lift Cylinders	OK
No. 1 Section	OK	Lock Valve(s)	OK
No. 2 Section	OK	Extension Cylinders	OK
No. 3 Section	OK	Lock Valve(s)	OK
No. 4 Section	OK	Extend Ropes / Chains	OK
No. 5 Section	OK	Retract Ropes / Chains	OK
Head Sheaves and Bearings	OK	Boom Length Recoil Drum(s)	OK
Idler Sheave and Bearing	OK	Mechanical Boom Angle Indicator	OK
Rooster Sheave and Bearing	N/A	Extension / Fly Jib	N/A
Extension / Fly Jib Mounts	N/A	Sheaves and Bearings	N/A
Shimming and Alignment	OK		

ANTI-TWO BLOCKS

Boom Head	OK
Rooster Sheave	N/A
Extension / Fly	N/A

HOOK BLOCKS - WITH CRANE

Description	3 sheave block	Manufacturers Identification	OK
		M5804	
Branded WLL (kg)	OK	Safety Latches	OK
3700kg		Sheaves and Bearings	OK
		3	
Swivel	OK	Branded with Tare Weight (kg)	OK
		30kg	

Revolving Frame and Cabin

Frame - Structural	OK	Control Cables / Pilot Hoses	OK
Counterweight - Security	N/A	Heater	N/A
Counterweight Hazard Striping	N/A	Air Conditioner	N/A
Boom Mounting Lugs	OK	Gauges	OK
Boom Mounting Pins	OK	Anti-Two block Alarms	OK
Lift Cylinder Lugs	OK	Horn	OK
Lift Cylinder Pins	OK	Access Steps	N/A
Cab Glass and Mirrors	N/A	Doors and Locks	N/A
Sheet Metal and Paint	OK	Cab Mounts	N/A
Seat Assembly	OK	Front Wiper	N/A
Throttle	OK	Roof Wiper	N/A
Dead Man Controls	OK	Windscreen Wiper / Washer	N/A
Free Fall Lockout	N/A	Switches and Relays	OK
Decals / Signs - In English	OK	Inclinometer	OK
Load Charts in English as per AS1418	OK	Fire Extinguisher	OK
Control Levers - Clearly Marked	OK		

Slew System

Slew Transmission & Oil Level	OK	Slewing Ring	OK
No Leaks Present	OK	Base Weld	OK
Swing Brake	OK	Smooth Operation	OK
Lock Valve(s)	OK	Slew Bolts	OK
House Lock	N/A	Excessive Bearing Play	OK
Slew Pinion	OK	Excessive Backlash	OK
Slew Gear	OK	Electrical Swivel	OK

Main Winch

Winch Condition & Oil Level	OK	Drum Turn Indicator	OK
No Leaks Present	OK	Main Wire Rope	OK
Rope Spooling	OK	Rope Socket and Pins	OK
Winch Attachment, Pins / Bolts	OK	Correct Assembly and Connection of Hoist Rope Socket	OK
Brake Caliper and Disc	N/A	Drum Locking Pawl Mechanism	N/A
Friction Pads	N/A	Clutch Linings and Cylinder Condition	N/A
Brake Operation	OK		

Auxiliary Winch

N/A

Hydraulic System

Hydraulic Reservoir & Oil Level	OK	Auxiliary Winch Valve	N/A
Return Filters and Housing	OK	Pressure Lines and Hoses	OK
Suction Lines and Hoses	OK	Accumulator	N/A
Oil Cooler(s)	OK	Carbody Hydraulic System	OK
Main Pump(s)	OK	Hydraulic Swivel	OK
Slew Pump	OK	Hoses and Tubes	OK
Pilot Pump	OK	Propel Transmission	OK
Relief Valves	OK	Propel Motors	OK
Pressure Filter and Housing	OK	Relief Valves	OK
Slew Motor	OK	Propel Brake	N/A
Slew Valve	OK	Axle Extension	N/A
Main Winch Motor	OK	Control Valve	OK
Auxiliary Winch Motor	N/A	Horizontal Cylinders	OK
Main Winch Valve	OK	Vertical Cylinders	OK

Air Systems

N/A

Electrical Systems

Battery Box	OK	Circuit Breakers	OK
Battery Cables	OK	Switches and Relays	OK
Battery Isolator	OK	Rotating Beacon(s)	OK
Starter	OK	Slew Alarm	N/A
Clearance Lights	N/A	Travel Alarm	OK
Flood Lights	OK		

Drive System

Radiator & Coolant Level	OK	Muffler / Spark Arrestor	OK
Radiator Hoses	OK	Engine Oil Pressure & Oil Level	OK
Fan	OK	Abnormal Engine Noises	OK
Fan Guard	OK	Fuel Tank & Diesel Level	OK
Oil Cooler(s)	OK	Engine Warning System	OK
Fuel Lines	OK	Drive Coupling	OK
Throttle	OK	Pump Drives	OK
Engine Mounts	OK	Pump Disconnects (PTO)	N/A
Power Transmission Belts	OK		

Crawler Inspection

Lifting Point Decals	OK	Clutch Drum(s)	N/A
Paint	OK	Clutch Assembly	N/A
Decals / Signs - In English	OK	Band and Lining	N/A
Carbody and Crawler Frames	OK	Cylinders and Swivel	N/A
Side Frames and Axles	OK	Bevel Gears	N/A
Connecting Bolts	N/A	Vertical Propel Shaft	N/A
Drive Sprockets	OK	Horizontal Propel Shaft	N/A
Idler Sprockets	OK	Outboard Propel Shafts	N/A
Crawler Rollers	OK	Propel Shaft Extension	N/A
Pins and Bushings	N/A	Steering Assembly	N/A
Roller Guards	OK	Brake Drums	N/A
Rail Assembly	OK	Crawler Brake Assembly	N/A
Track Adjuster	OK	Carbody	OK
Tension Spring Assembly	OK	Hydraulic Drive	OK
Track Shoes	OK	Planetary Reductions	OK
<i>Rubber splits in tracks monitor</i>		Drive Motors	OK
Propel Chains	N/A		
Propel Clutch Shaft	N/A		

Functional Tests - Main Winch

Rated Capacity Indicator (RCI)																	
Load Chart Reference Number	MC-405																
Printed Chart - No Load	OK	<table><tr><th></th><th>Printed Chart</th><th>RCI</th></tr><tr><td>Boom Angle, deg</td><td>N/A°</td><td>N/A°</td></tr><tr><td>Boom Length, m</td><td>N/Am</td><td>N/Am</td></tr><tr><td>Radius, m</td><td>16.00m</td><td>16.00m</td></tr><tr><td>Load, kg</td><td>210kg</td><td>200kg</td></tr></table>		Printed Chart	RCI	Boom Angle, deg	N/A°	N/A°	Boom Length, m	N/Am	N/Am	Radius, m	16.00m	16.00m	Load, kg	210kg	200kg
	Printed Chart	RCI															
Boom Angle, deg	N/A°	N/A°															
Boom Length, m	N/Am	N/Am															
Radius, m	16.00m	16.00m															
Load, kg	210kg	200kg															
RCI Load Charts	75%																

Rated Capacity Limiter (RCL)											
Load Chart Reference Number	MC-405										
Rated Load - Boom Fully Extended	OK	<table><tr><th></th><th>RCI</th><th>Measured</th></tr><tr><td>Radius, m</td><td>13.10m</td><td>13.20m</td></tr><tr><td>Load, kg</td><td>400kg</td><td>354kg</td></tr></table>		RCI	Measured	Radius, m	13.10m	13.20m	Load, kg	400kg	354kg
	RCI	Measured									
Radius, m	13.10m	13.20m									
Load, kg	400kg	354kg									
Rated Load in Stability	OK	<table><tr><th></th><th>RCI</th><th>Measured</th></tr><tr><td>Radius, m</td><td>13.10m</td><td>13.20m</td></tr><tr><td>Load, kg</td><td>400kg</td><td>354kg</td></tr></table>		RCI	Measured	Radius, m	13.10m	13.20m	Load, kg	400kg	354kg
	RCI	Measured									
Radius, m	13.10m	13.20m									
Load, kg	400kg	354kg									
Line Pull Test	OK	<table><tr><th></th><th>RCI</th><th>Measured</th></tr><tr><td>Load, kg</td><td>3830kg</td><td>3720kg</td></tr></table>		RCI	Measured	Load, kg	3830kg	3720kg			
	RCI	Measured									
Load, kg	3830kg	3720kg									
Winch Brake Test	OK	<table><tr><th></th><th>RCI</th><th>Measured</th></tr><tr><td>Load, kg</td><td>3830kg</td><td>3720kg</td></tr></table>		RCI	Measured	Load, kg	3830kg	3720kg			
	RCI	Measured									
Load, kg	3830kg	3720kg									
Overload Warning Lights and Alarms	OK	Rated Capacity Limiter Fitted (Overload Limiter) OK									

Functional Tests - Auxiliary Winch

N/A

Crack Inspection

No Cracks Detected

OK

Any third party testing is not included in the Crane**Safe** NATA accreditation.

Manufacturer Additional

N/A

Site Requirements

N/A

Crane



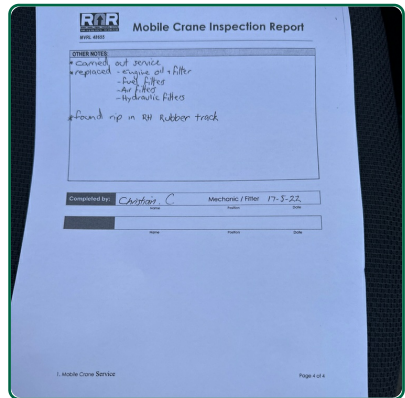
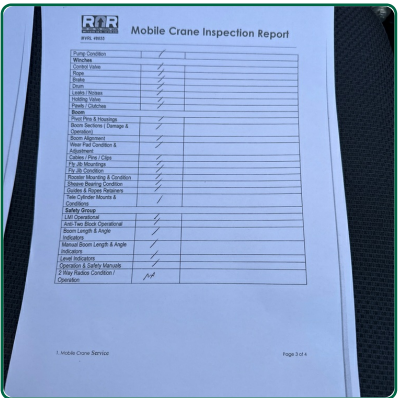
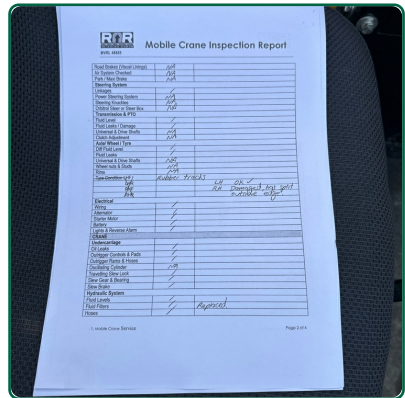
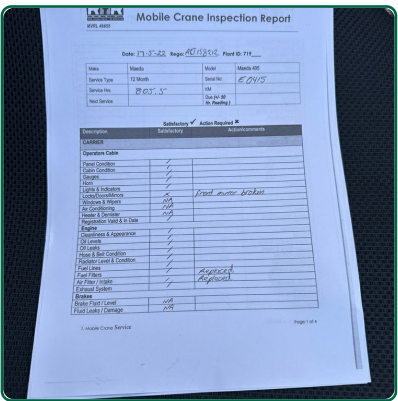
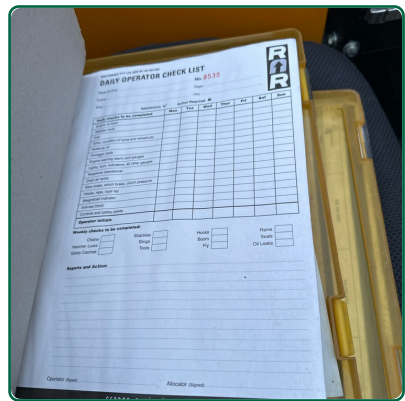
Model



Serial Number



Upper Hours at last inspection:
680





Head Sheaves and Bearings



Idler Sheave and Bearing



Description



Manufacturers Identification

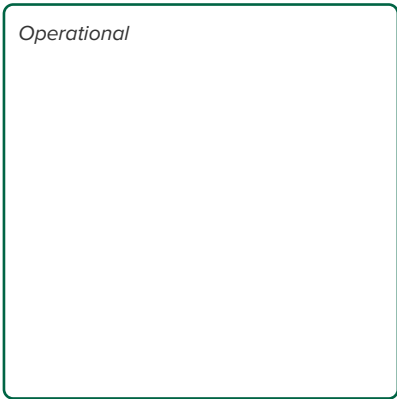
Revolving Frame and Cabin



Boom Mounting Lugs



Lock Valve(s)



Lock Valve(s)

Main Winch



Rope Spooling



Correct Assembly and Connection of Hoist Rope Socket



Winch Condition & Oil Level

Hydraulic System



Vertical Cylinders

Electrical Systems



Rotating Beacon(s)

Drive System



Radiator & Coolant Level



Engine Mounts

Crawler Inspection



Lifting Point Decals



Carbody

Functional Tests - Main Winch



Load Chart Reference Number



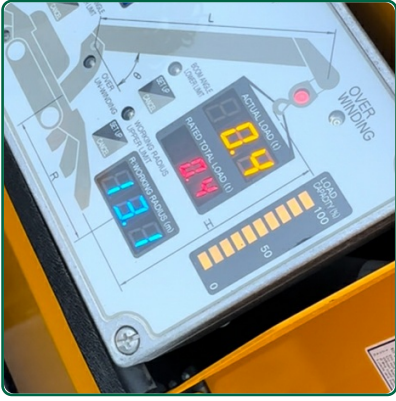
Load Chart Reference Number



Load Chart Reference Number



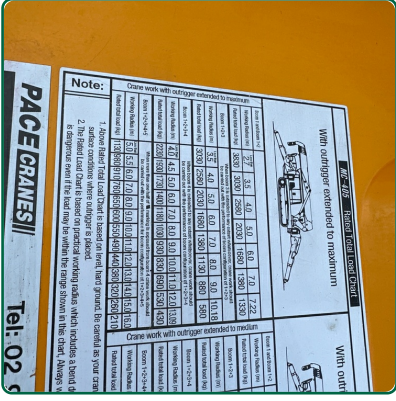
Rated Load - Boom Fully Extended



Load



Load



Load



Load



Radius