



ALL TERRAIN CRANE Report

ATC A 155456-10



ACCREDITED FOR
TECHNICAL
COMPETENCE
Accreditation no.
19898

CraneSafe®

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

PO Box 136
MOUNT WAVERLEY VIC 3149
Phone: +61 (03) 9501 0078
Email: assessments@cranesafe.com.au

Initial Inspection Date: 05/03/2021

Conforms to Checklist: Yes

Issued Date: 08/03/2021

Expiry Date: 05/03/2022

COMPANY

Andrew's Crane Hire Pty Ltd

ABN 93 601 434 002

PO Box 392 DOONSIDE NSW 2767

REPRESENTATIVE

Andrew Whyte Phone: 0407 246 665

Email: admin@andrewscranes.com



Liebherr LTM 1080/1

LOWER HOURS
721

UPPER HOURS
19951

KILOMETERS
216375

SERIAL NUMBER
0023 874

PLANT NUMBER
801

DESIGN REGISTRATION NUMBER
NOT SIGHTED AT TIME
OF INSPECTION

PLANT REGISTRATION NUMBER
MC6-112938/08

ROAD REGISTRATION
ACH 801

YOM
1999

MAX LOAD
80000 KG

NUMBER OF AXLES
4

ASSESSED BY

Steve Asher

Reg No: NSW1062

Phone: 0408 161 110

Email: ashaplantrepairs@hotmail.com

COMPANY

Asha Plant Repairs

P O Box 40 ST CLAIR

NSW 2759

Assessment

Country Where Assessed	Australia
State	NSW
Operators Manual in English	OK
Log Book	OK
Maintenance Records	OK
Crane Safety Manual	Yes
Major Inspection Report Sighted	Yes



Actions Required

N/A

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.

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

All CraneSafe forms, checklists, surveys, audits and reports together with the embedded methodology contained within are the intellectual property of The Crane Industry Council of Australia and may not be used without The Crane Industry Council of Australia's prior written consent.

© The Crane Industry Council of Australia 2021

Boom and Attachments

Base Section	OK	Mechanical Boom Angle Indicator	N/A
No. 1 Section	OK	Fixed Jib	N/A
No. 2 Section	OK	Luffing Jib(s)	N/A
No. 3 Section	OK	Masts	N/A
No. 4 Section	OK	Suspension Ropes	N/A
No. 5 Section	OK	Suspension Straps / Tubes	N/A
Additional Sections	N/A	Load Cell	N/A
Head Sheaves and bearings	OK	Recoil Drums	OK
Idler Sheave and Bearing	OK	Superlift	N/A
Rooster Sheave and Bearing	N/A	Superlift Winch	N/A
Extension / Fly Jib Mounts	OK	Superlift Winch Brakes	N/A
Shimming and Alignment	OK	Boom / Attachments / Electrics	OK
Boom Lift Cylinders	OK	Proximity Switches	OK
Lock Valve(s)	OK	Boom Pinning System	OK
Extension Cylinders	OK	Extension / Fly Jib	OK
Lock Valve(s)	OK	Sheaves and Bearings	OK
Extend Ropes / Chains	N/A	Anemometer	N/A
Retract Ropes / Chains	N/A		
Boom Length Recoil Drum(s)	OK		

ANTI-TWO BLOCKS

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

HOOK BLOCKS - WITH CRANE

Description	3 Sheave Hook	Manufacturers Identification 35758	OK
Branded WLL (kg) 40000kg	OK	Safety Latches Sheaves and Bearings 3	OK OK
Swivel	OK	Branded with Tare Weight (kg) 520kg	OK

HOOK BLOCKS - WITH CRANE No. 2

Description	Single Sheave Hook	Manufacturers Identification 24009	OK
Branded WLL (kg) 16000kg	OK	Safety Latches Sheaves and Bearings	OK OK
Swivel	OK	Branded with Tare Weight (kg) 325kg	OK

HOOK BLOCKS - WITH CRANE No. 3

Description	Auxiliary Hook	Manufacturers Identification 30220	OK
Branded WLL (kg) 6000kg	OK	Safety Latches Sheaves and Bearings	OK N/A
Swivel	OK	Branded with Tare Weight (kg) 110kg	OK

Revolving Frame and Cabin

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

Slew System

Slew Transmission & Oil Level	OK	Base Weld	OK
Leaks	OK	Smooth Operation	OK
Swing Brake	OK	Rotary Coupling	OK
Lock Valve(s)	OK	Slew Bolts	OK
House Lock	OK	<i>Visual Inspection</i>	
Slew Pinion	OK	Excessive Bearing Play	OK
Slew Gear	OK	Excessive Backlash	OK
Slewing Ring	OK	Electrical Swivel	OK

Main Winch

Winch Condition & Oil Level	OK	Drum Turn Indicator	OK
Leaks	OK	Main Wire Rope	OK
Rope Spooling	OK	<i>Requires lubricant</i>	
Winch Attachment, Pins / Bolts	OK	Rope Socket and Pins	OK
Brake Caliper and Disc	N/A	Correct Assembly and Connection of Hoist Rope Socket	OK
Friction Pads	N/A	Drum Locking Pawl Mechanism	N/A
Brake Operation	OK	Clutch Linings and Cylinder Protection	N/A

Auxiliary Winch

N/A

Hydraulic System

Hydraulic Reservoir & Oil Level	OK	Auxiliary Winch Motor	N/A
Return Filters and Housing	OK	<i>Not in use</i>	
Suction Lines and Hoses	OK	Main Winch Valve	OK
Oil Cooler(s)	OK	Auxiliary Winch Valve	N/A
Main Pump(s)	OK	Boom Lift Valve	OK
Slew Pump	OK	Boom Extension Valve	OK
Steering Pump	OK	Pressure Lines and Hoses	OK
Pilot Pump	OK	Power Steering Cylinders	OK
Relief Valves	OK	Vertical Outrigger Cylinders	OK
Pressure Filter and Housing	OK	Horizontal Outrigger Cylinders	OK
Slew Motor	OK	Outrigger Control Valves	OK
Slew Valve	OK	Outrigger Lock Valves	OK
Main Winch Motor	OK	Counterweight Lift Cylinder	OK

Air Systems

Compressor	OK	Brake Chambers	OK
Air Reservoirs	OK	Brake Valves	OK
Drain Valves	OK	Air Cylinders	OK
Air Lines	OK	Air Dryer	OK

Chassis Inspection

Frame	OK	Markings For Alternate Outrigger Widths	OK
Suspension System	OK	Outrigger Hazard Striping	OK
Steering Components	OK	Sheet Metal / Guards	OK
Driving Axles	OK	Decals / Signs - In English	OK
Non Driving Axles	OK	Doors and Locks	OK
Differentials	OK	Outrigger Controls and Labeling	OK
Planetary Drives	OK	Axle Levelling for Road Travel	OK
Drive Lines	OK	Crane Levelling System	OK
Brake(s)	OK	Condition of Tyres	OK
Parking Brake	OK	Appropriate Earthing	OK
Outrigger Boxes	OK	Earth Strap	OK
Outrigger Beams	OK	Anchor point	
Outrigger Pads	OK	Fire Extinguisher	OK

Electrical Systems

Battery Box	OK	Directional indicators	OK
Battery Cables	OK	Hazard Lights	OK
Battery Isolator	OK	Clearance Lights	OK
Starter	OK	Switches and Relays	OK
Head Lights	OK	Rotating Beacon(s)	OK
Tail Lights	OK	Reverse Alarm	OK
Stop Lights	OK	Horn for Road Travel	OK

Drive Systems

Radiator & Coolant Level	OK	Fuel Tank & Diesel Level	OK
Radiator Hoses	OK	Power Shift / Range Shift	OK
Fan	OK	Drive Coupling	OK
Fan Guard	OK	Transmission Noise	OK
Oil Cooler(s)	OK	Leaks	OK
Fuel Lines	OK	Pump Drives	OK
Throttle	OK	Pump Disconnects (PTO)	OK
Engine Mounts	OK	Output Coupling	OK
Power Transmission Belts	OK	Engine Braking	OK
Muffler / Spark Arrestor	OK	Transmission Retarder	OK
Engine Oil Pressure & Oil Level	OK	Telma Brake	OK
Abnormal Engine Noises	OK	ABS Brakes	OK

Superstructure Drive System

N/A

Carrier Cabin

Cab Glass and Mirrors	OK	Decals / Signs - In English	OK
Sheet Metal and Guarding	OK	Heater	OK
Seat and Assembly including Seat Belts	OK	Air Conditioner	OK
Throttle	OK	Gauges	OK
Foot Brake	OK	Indication and Warning Lights	OK
Clutch Pedal	N/A	Windscreen Wiper / Washer	OK
Steering Wheel Free Play	OK	Exhaust / Telma Brakes	OK

Functional Tests - Main Winch

Rated Capacity Indicator (RCI)																	
Load Chart Reference Number	Code 0018																
Printed Chart - No Load	OK	<table><tr><th></th><th>Printed Chart</th><th>RCI</th></tr><tr><td>Boom Angle, deg</td><td>64.80°</td><td>64.80°</td></tr><tr><td>Boom Length, m</td><td>48.00m</td><td>48.00m</td></tr><tr><td>Radius, m</td><td>20.00m</td><td>20.00m</td></tr><tr><td>Load, kg</td><td>4900kg</td><td>4900kg</td></tr></table>		Printed Chart	RCI	Boom Angle, deg	64.80°	64.80°	Boom Length, m	48.00m	48.00m	Radius, m	20.00m	20.00m	Load, kg	4900kg	4900kg
	Printed Chart	RCI															
Boom Angle, deg	64.80°	64.80°															
Boom Length, m	48.00m	48.00m															
Radius, m	20.00m	20.00m															
Load, kg	4900kg	4900kg															
RCI Load Charts	75%																

Rated Capacity Limiter (RCL)											
Load Chart Reference Number	Code 0018										
Rated Load - Boom Fully Extended	OK	<table><tr><th></th><th>RCI</th><th>Measured</th></tr><tr><td>Radius, m</td><td>29.10m</td><td>29.20m</td></tr><tr><td>Load, kg</td><td>2200kg</td><td>1840kg</td></tr></table>		RCI	Measured	Radius, m	29.10m	29.20m	Load, kg	2200kg	1840kg
	RCI	Measured									
Radius, m	29.10m	29.20m									
Load, kg	2200kg	1840kg									
Rated Load in Stability	OK	<table><tr><th></th><th>RCI</th><th>Measured</th></tr><tr><td>Radius, m</td><td>29.10m</td><td>29.20m</td></tr><tr><td>Load, kg</td><td>2200kg</td><td>1840kg</td></tr></table>		RCI	Measured	Radius, m	29.10m	29.20m	Load, kg	2200kg	1840kg
	RCI	Measured									
Radius, m	29.10m	29.20m									
Load, kg	2200kg	1840kg									
Line Pull Test	OK	<table><tr><th></th><th>RCI</th><th>Measured</th></tr><tr><td>Load, kg</td><td>5700kg</td><td>6000kg</td></tr></table>		RCI	Measured	Load, kg	5700kg	6000kg			
	RCI	Measured									
Load, kg	5700kg	6000kg									
Winch Brake Test	OK	<table><tr><th></th><th>RCI</th><th>Measured</th></tr><tr><td>Load, kg</td><td>5700kg</td><td>6000kg</td></tr></table>		RCI	Measured	Load, kg	5700kg	6000kg			
	RCI	Measured									
Load, kg	5700kg	6000kg									
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

Visual 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



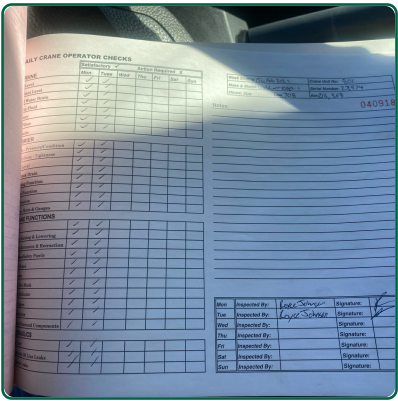
Lower Hours



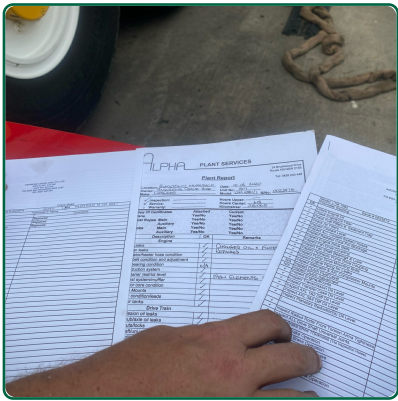
Upper Hours



Kilometers



Log Book

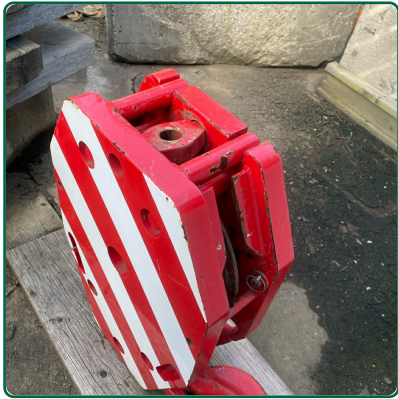




Description



Manufacturers Identification



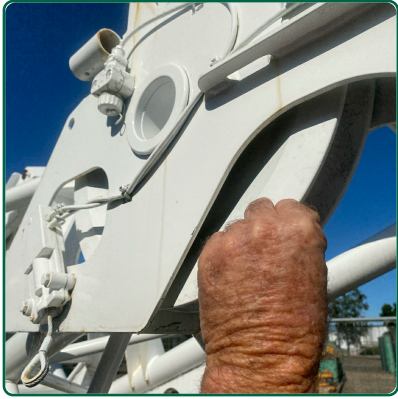
Description



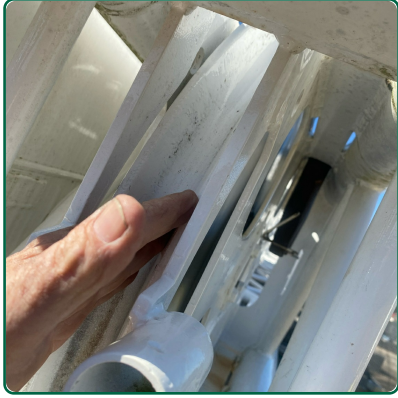
Manufacturers Identification



Description



Sheaves and Bearings



Sheaves and Bearings



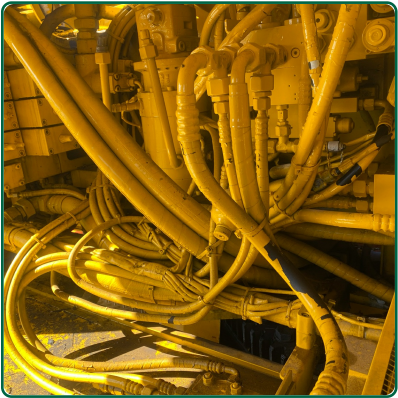
Manufacturers Identification

Revolving Frame and Cabin



Doors and Locks

Slew System



Smooth Operation

Main Winch



Winch Condition & Oil Level



Correct Assembly and Connection of Hoist Rope Socket

Hydraulic System



Horizontal Outrigger Cylinders

Air Systems



Drain Valves

Chassis Inspection



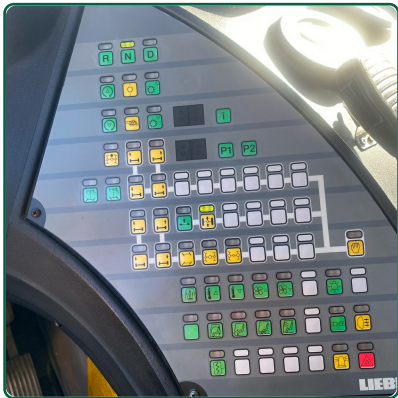
Outrigger Beams

Electrical Systems



Horn for Road Travel

Drive Systems



Transmission Retarder

Carrier Cabin



Windscreen Wiper / Washer

Functional Tests - Main Winch



Load Chart Reference Number



Rated Load - Boom Fully Extended



Load



Load



Load



Load



Load



Load



Accreditation no. 19898

Certificate No: NSW155456

CraneSafe®

**CERTIFICATE OF ANNUAL
INSPECTION AND TESTING**

All Terrain Crane

Inspection Date: 05/03/21

Renewal Date: 05/03/2022

Issued Date: 08/03/2021

Location of Inspection: Rosehill depot

Crane Owner: Andrew's Crane Hire Pty Ltd

Address: PO Box 392 DOONSIDE, 2767, NSW, Australia

Crane Make: Liebherr

Crane Model: LTM 1080/1

Crane Serial Number: 0023 874

YOM: 1999

Hours: 19951



Inspection in accordance with: ☒ AS2550.1 & AS2550.5 ☒ EN (FEM&ISO) ☐ JIS

☐ Codes of Practice ☐ Manufacturer's Instructions.

Inspection Comments:

This certificate 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.

Signed: 

Printed Name: Steve Asher

CraneSafe Assessor No.: NSW1062

CraneSafe Assessment No: ATC A 155456-10

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

© The Crane Industry Council of Australia 2009

All CraneSafe forms, checklists, surveys, audits and reports together with the embedded methodology contained within are the intellectual property of The Crane Industry Council of Australia and may not be used without The Crane Industry Council of Australia's prior written consent.



Certificate No: NSW155456

CraneSafe®

Accreditation no. 19898

LOAD INDICATOR CERTIFICATION

All Terrain Crane

Annual Inspection Date: 08/03/2021

Crane Owner: Andrew's Crane Hire Pty Ltd

Address: PO Box 392 DOONSIDE, 2767, NSW, Australia

Crane Make: Liebherr

Crane Model: LTM 1080/1

Crane Serial Number: 0023 874

YOM: 1999 **Hours:** 19951

Rated Capacity Indicator (RCI)

Load Chart Reference Number

Code 0018

Printed Chart - No Load

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	64.80	64.80
Boom Length, m	48.00	48.00
Radius, m	20.00	20.00
Load, kg	4,900.00	4,900.00

Rated Capacity Limiter (RCL)

Load Chart Reference Number

Code 0018

Rated Load - Boom Fully Extended

Rated Load in Stability

	Rated Capacity Indicator	Measured
Radius, m	29.10	29.20
Load, kg	2,200.00	1,840.00

	Rated Capacity Indicator	Measured
Radius, m	29.10	29.20
Load, kg	2,200.00	1,840.00

Line Pull Test

	Rated Capacity Indicator	Measured
Load, kg	5,700.00	6,000.00

Winch Brake Test

	Rated Capacity Indicator	Measured
Load, kg	5,700.00	6,000.00

At the time of test, the load indicator was reading in accordance with the requirements of AS1418.1 & AS1418.5 and the load charts supplied with the crane

Signed: 

Printed Name: Steve Asher

CraneSafe Assessor No.: NSW1062

CraneSafe Assessment No: ATC A 155456-10

Issued Date: 08/03/2021

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

© The Crane Industry Council of Australia 2009

All CraneSafe forms, checklists, surveys, audits and reports together with the embedded methodology contained within are the intellectual property of The Crane Industry Council of Australia and may not be used without The Crane Industry Council of Australia's prior written consent.

SUPPORTING INFORMATION