



Accreditation no. 19898

## ALL TERRAIN CRANE *Annual Report*

<b>Company</b>	C & C Construction Services	<b>ABN</b>	82 780 055 822
<b>Address</b>	1 Sir Henry Parkes Avenue MEDOWIE	<b>Representative</b>	Mr Peter Ritters
<b>State</b>	NSW	<b>Phone</b>	02 4982 8257
<b>Postcode</b>	2318	<b>Email</b>	pritters@cccs.net.au

<b>Make</b>	Liebherr
<b>Model</b>	LTM 1060-3.1
<b>Serial Number</b>	058 221
<b>Plant Number</b>	6001
<b>Year of Manufacture</b>	2017
<b>Design Registration Number</b>	CR6-170773/13
<b>Plant Registration</b>	MC6-217990/17/0
<b>Road Registration</b>	CO94GY
<b>Max Load</b>	60000kg
<b>Number of Axles</b>	3
<b>Lower Hours</b>	1417
<b>Upper Hours</b>	2253
<b>Kilometers</b>	42359



<b>Country where assessed</b>	Australia	<b>State</b>	NSW
<b>Operators Manual in English</b>	OK		
<b>Log Book</b>	OK		
<b>Maintenance Records</b>	OK		
<b>Crane Safety Manual</b>	No		

<b>Assessed By</b>	Troy Kiem	<b>Company</b>	A1 Crane Inspections
<b>Reg. No.</b>	NSW1082	<b>Address</b>	P O Box 414 KURRI KURRI
<b>Phone</b>	0425 384 091	<b>State</b>	NSW
<b>Email</b>	a1craneinspections@gmail.com	<b>Postcode</b>	2327

<b>Initial Inspection Date</b>	05/08/2020	<b>Issued Date</b>	06/08/2020
		<b>Expiry Date</b>	06/08/2021

### Conforms to Checklist Yes

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.

### Actions Required - NA

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 use without The Crane Industry Council of Australia's prior written consent.

**BOOM AND ATTACHMENTS**

Base Section	OK
No. 1 Section	OK
No. 2 Section	OK
No. 3 Section	OK
No. 4 Section	OK
No. 5 Section	OK
Additional Sections	N/A
Head Sheaves and bearings	OK
Idler Sheave and Bearing	OK
Rooster Sheave and Bearing	N/A
Extension / Fly Jib Mounts	OK
Shimming and Alignment	OK
Boom Lift Cylinders	OK
Lock Valve(s)	OK
Extension Cylinders	OK
Lock Valve(s)	OK
Extend Ropes / Chains	N/A
Retract Ropes / Chains	N/A
Boom Length Recoil Drum(s)	OK
Mechanical Boom Angle Indicator	N/A
Fixed Jib	N/A
Luffing Jib(s)	N/A
Masts	N/A
Suspension Ropes	N/A
Suspension Straps / Tubes	N/A
Load Cell	N/A
Recoil Drums	N/A
Superlift	N/A
Superlift Winch	N/A
Superlift Winch Brakes	N/A
Boom / Attachments / Electrics	OK
Proximity Switches	OK
Boom Pinning System	OK
Extension / Fly Jib	OK
Sheaves and Bearings	OK
Anemometer	OK
<i>ANTI-TWO BLOCKS</i>	
Boom Head	OK
Rooster Sheave	N/A
Extension / Fly	N/A
<i>HOOK BLOCKS - WITH CRANE</i>	
Description	MAIN
Type	
Manufacturers Identification	OK - 910005208E
Branded WLL (kg)	OK 16000kg
Safety Latches	OK
Sheaves and Bearings	OK - 1
Swivel	OK
Branded with Tare Weight (kg)	OK 195kg

**REVOLVING FRAME AND CABIN**

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

**SLEW SYSTEM**

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

**MAIN WINCH**

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

**AUXILIARY WINCH - NA**

[[reportTextBelow]]

**HYDRAULIC SYSTEM**

Hydraulic Reservoir & Oil Level	OK
Return Filters and Housing	OK
Suction Lines and Hoses	OK
Oil Cooler(s)	OK
Main Pump(s)	OK
Slew Pump	OK
Steering Pump	OK
Pilot Pump	OK
Relief Valves	OK
Pressure Filter and Housing	OK
Slew Motor	OK
Slew Valve	OK
Main Winch Motor	OK
Auxiliary Winch Motor	N/A
Main Winch Valve	OK
Auxiliary Winch Valve	N/A
Boom Lift Valve	OK
Boom Extension Valve	OK
Pressure Lines and Hoses	OK
Power Steering Cylinders	OK
Vertical Outrigger Cylinders	OK
Horizontal Outrigger Cylinders	OK
Outrigger Control Valves	OK
Outrigger Lock Valves	OK
Counterweight Lift Cylinder	OK

**AIR SYSTEMS**

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

**CHASSIS INSPECTION**

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

---

**ELECTRICAL SYSTEMS**

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

---

**DRIVE SYSTEMS**

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

**SUPERSTRUCTURE DRIVE SYSTEM - NA**

[[reportTextBelow]]

**CARRIER CABIN**

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

**FUNCTIONAL TESTS - MAIN WINCH***Rated Capacity Indicator (RCI)*

Load Chart Reference Number CMN  
 Printed Chart - No Load OK

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	N/A°	N/A°
Boom Length, m	48.00m	48.00m
Radius, m	14.00m	14.00m
Load, kg	5400kg	5400kg

RCI Load Charts 75%

*Rated Capacity Limiter (RCL)*

Load Chart Reference Number CMN  
 Rated Load - Boom Fully Extended OK

	Rated Capacity Indicator	Measured
Radius, m	15.70m	15.90m
Load, kg	4200kg	4000kg

Rated Load in Stability N/A  
 Line Pull Test OK

	Rated Capacity Indicator	Measured
Load, kg	4200kg	4000kg

Winch Brake Test OK

	Rated Capacity Indicator	Measured
Load, kg	4200kg	4000kg

Overload Warning Lights and Alarms OK  
 Rated Capacity Limiter Fitted (Overload Limiter) OK

**FUNCTIONAL TESTS - AUXILIARY WINCH - NA**

[[reportTextBelow]]

**CRACK INSPECTION**

No Cracks Detected OK

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

**ADDITIONAL ANNUAL INSPECTIONS STIPULATED BY THE MANUFACTURER - NA****SITE REQUIREMENTS - NA**

© 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 use without The Crane Industry Council of Australia's prior written consent.

# APPENDICES

## CRANE

Model



Serial Number



Lower Hours



Upper Hours



© The Crane Industry Council of Australia 2009

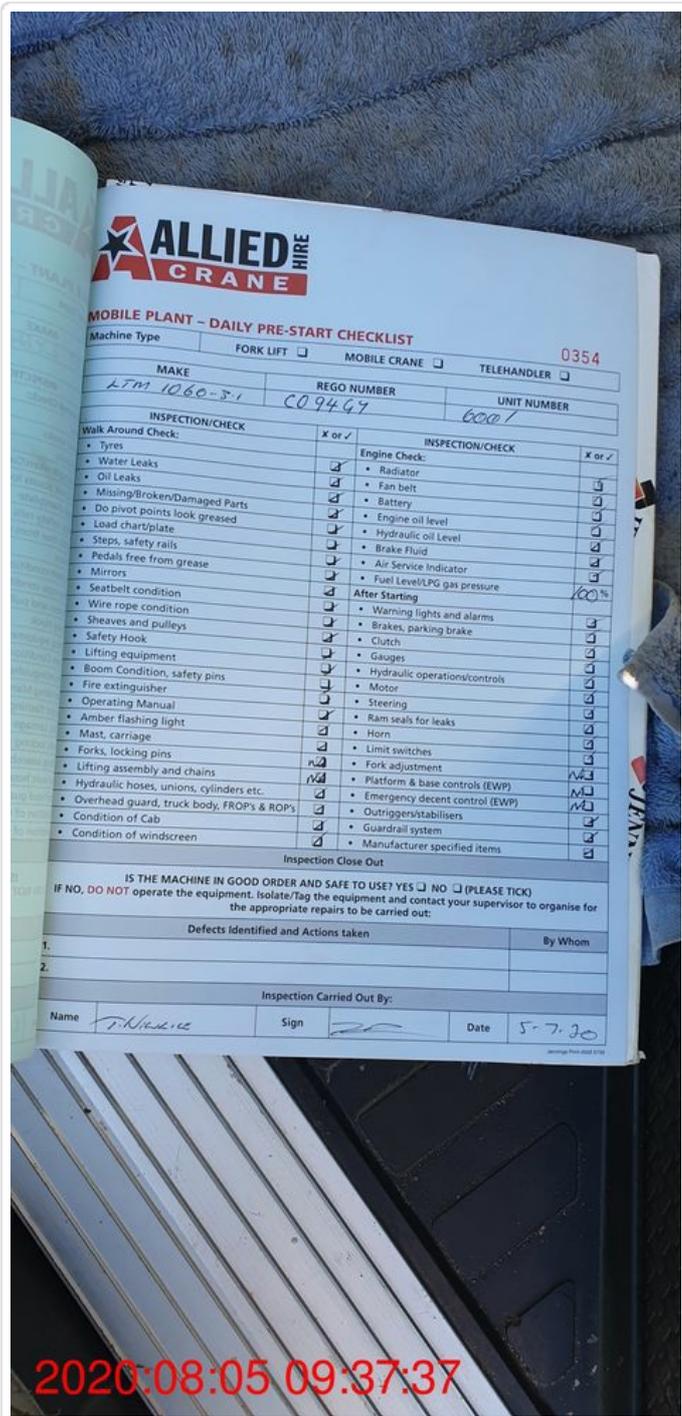
All CraneSafe forms, checklists, surveys, audits and reports together with the embedded methodology contained within are the intellectual property of The Crane Industry Council of Australia and may not be use without The Crane Industry Council of Australia's prior written consent.

Kilometers



**ASSESSMENT**

Log Book



© 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 use without The Crane Industry Council of Australia's prior written consent.

## BOOM AND ATTACHMENTS

Boom / Attachments / Electrics



© 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 use without The Crane Industry Council of Australia's prior written consent.

Description



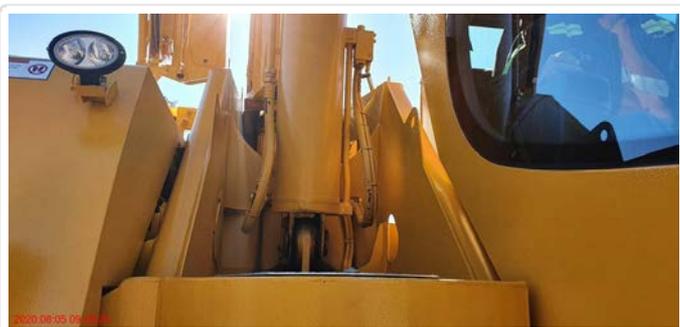
© The Crane Industry Council of Australia 2009

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 use without The Crane Industry Council of Australia's prior written consent.

Manufacturers Identification



**REVOLVING FRAME AND CABIN**



Lift Cylinder Lugs

© 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 use without The Crane Industry Council of Australia's prior written consent.

**SLEW SYSTEM**

Slew Gear



© 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 use without The Crane Industry Council of Australia's prior written consent.

**MAIN WINCH**

Leaks



Correct Assembly and Connection of Hoist Rope Socket

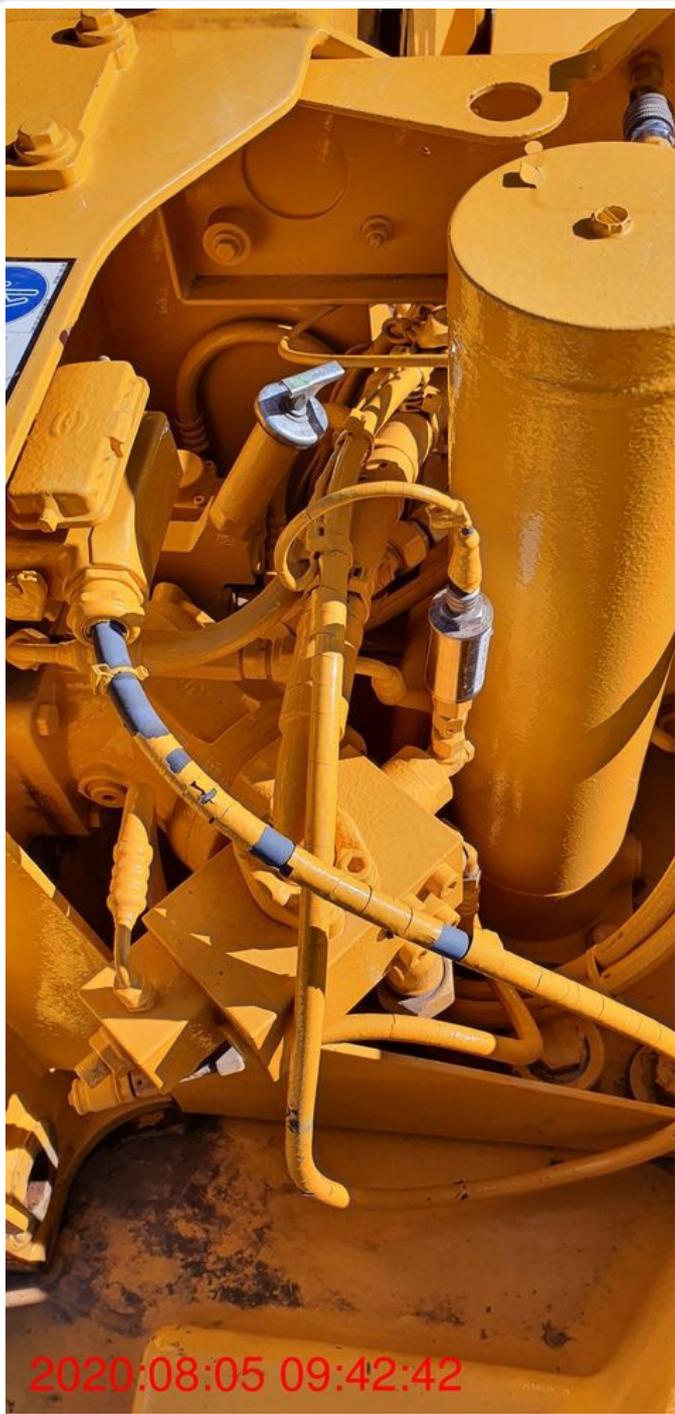


© The Crane Industry Council of Australia 2009

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 use without The Crane Industry Council of Australia's prior written consent.

## HYDRAULIC SYSTEM

Counterweight Lift Cylinder



## AIR SYSTEMS

Air Dryer

© 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 use without The Crane Industry Council of Australia's prior written consent.

**CHASSIS INSPECTION**

Outrigger Pads



## ELECTRICAL SYSTEMS



Tail Lights

## DRIVE SYSTEMS



Engine Mounts

## CARRIER CABIN



Decals / Signs - In English

## FUNCTIONAL TESTS - MAIN WINCH

© 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 use without The Crane Industry Council of Australia's prior written consent.







Line Pull Test - Load RCI

Line Pull Test - Load Measured





# Quarterly Inspection Report

## CUSTOMER DETAILS

Customer: Allied Cranes	Contact: Scott Lantry
Address: 24 Martin St, Tomago, NSW 2322	Number: 0437 609 486

## CRANE DETAILS

Make: LIEBHERR	Model: LTM1060-3.1	Equipment No:	Serial No: 58221
Upper Hours: 1669	Lower Hours: 1224	Kilometers: 37,640	Date: 10 Feb 2020
Last Service Completed: Unknown	Next Service Due: 10 May 2020 or 2000 upper/1500 lower hrs		

## SERVICE DETAILS

CARRIER	OK	Action Required	REMARKS
Engine oil level / leaks / filter	Y		Replaced engine oil & filters
Coolant level / hoses / radiator	Y		
Tension and condition of Belts	Y		
Fuel filter / water separator / leaks	Y		Replaced fuel filters and separator
Drain water/sediment from fuel tank	Y		
Fuel governor	Y		
Starter Motor	Y		
Air intake / filter	Y		



### SERVICE DETAILS

CARRIER	OK	Action Required	REMARKS
Air compressor / dryer / governor	Y		
Air tanks condition / drain water	Y		
Glow plugs / pre heater	Y		
Turbo / intercooler	Y		
Exhaust system security / condition	Y		
Transmission oil level / leaks / filter	Y		
Driveline / universal joints	Y		
Differential level / leaks / breather	Y		
Drive hub planetary level / leaks	Y		Order oil to top up
Battery level / condition	Y		
Alternator / charge	Y		
Wiring / electrical	Y		
Lighting	Y		
Brake system inspect / adjust	Y		
Park brake inspect / adjust	Y		
Steering operation / leaks / damage	Y		
Suspension operation / leaks / damage	Y		
Hydraulic tank level / leaks / filter	Y		Replaced hydraulic filters and breathers
Hydraulic pump	Y		
Chassis / structure / welds	Y		
Body panels	Y		
Carrier grease points	Y		Greased
Track / Tyre condition	Y		
Wheel nuts	Y		
Outrigger beams / pads	Y		
Outrigger extension / grounding cylinders	Y		



SUPERSTRUCTURE	YES	Action Required	REMARKS
Main winch reduction gearbox level / leaks	Y		
Auxiliary winch reduction gearbox level / leaks	NA		
Main winch motor	Y		
Auxiliary winch motor	NA		
Main winch rope and terminations	Y		
Aux winch rope and terminations	NA		
Extension ropes	NA		
Retraction ropes	NA		
Rotary coupling	Y		
Slew reduction gearbox level / leaks	Y		Order oil to top up
Slew bearing play / lubrication	Y		
Slew motor	Y		
Luffing cylinders	Y		
Boom telescoping cylinder	Y		
Boom adjustment / lubrication	Y		
Boom butt section	Y		
1 <sup>st</sup> Section	Y		
2 <sup>nd</sup> Section	Y		
3 <sup>rd</sup> Section	Y		
Tip Section / Manual	Y		
Fly jib/Rooster sheave or attachments	Y		Fly visual in stowed position
Hydraulic hoses - fixed & flexible	Y		
Control valves	Y		
Superstructure grease points	Y		Auto greaser
Structure condition / rust / welds	Y		
Sheaves	Y		
LMI / AML	Y		
Anti 2 block	Y		
Main hook block	Y		



SUPERSTRUCTURE	YES	Action Required	REMARKS
Aux hook block	NA		
Operators cabin	Y		
Counter weight handler	Y		

CRANE FUNCTIONS / OPERATION	YES	Action Required	REMARKS
Decals / Warning Labels	Y		
Load chart	Y		
Bubble levels	Y		
Angle indicator	Y		
Steering function	Y		
Drive function	Y		
Slew function	Y		
Luffing function	Y		
Hoist function	Y		
Boom telescoping function	Y		
Outrigger function	Y		
LMI / AML reading correctly	Y		
Safety warnings / cut outs operating	Y		
Electricals / lights / horn etc	Y		
AirCon filter in cab	Y		
Operators Seat and Seat belt	Y		
Mirrors	Y		
Operators Manual	Y		
Daily Log Book	Y		
Fire Extinguisher		X	Out of date
Plant Safety File	NA		



**HQ Consulting**  
Achieving Compliance

56 Lawes Street  
East Maitland NSW 2323

Phone: 0434 932 393  
Email: [ray@hqconsulting.com.au](mailto:ray@hqconsulting.com.au)  
Web: [www.hqconsulting.com.au](http://www.hqconsulting.com.au)

ABN: 35 742 928 591

COMMENTS

Service completed in accordance with manufacturers recommendations.

I confirm that the above information is correct at the time of inspection.

HQC Representative Signature:

Printed Name: Ray Studdert

Date: 10 Feb 2020



Certificate No: NSW150430

CraneSafe®

Accreditation no. 19898

**CERTIFICATE OF ANNUAL INSPECTION AND TESTING**

**All Terrain Crane**

**Inspection Date:** 05/08/20

**Renewal Date:** 06/08/2021

**Issued Date:** 06/08/2020

**Location of Inspection:** TOMAGO

**Crane Owner:** C & C Construction Services

**Address:** 1 Sir Henry Parkes Avenue MEDOWIE, 2318, NSW, Australia

**Crane Make:** Liebherr

**Crane Model:** LTM 1060-3.1

**Crane Serial Number:** 058 221

**YOM:** 2017

**Hours:** 2253



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:** Troy Kiem

**CraneSafe Assessor No.:** NSW1082

**CraneSafe Assessment No:** ATC A 150430-10

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.