



Accreditation no. 19898

## ARTICULATED MOBILE 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>	Franna
<b>Model</b>	AT 20
<b>Serial Number</b>	4601
<b>Plant Number</b>	CCCS 003
<b>Year of Manufacture</b>	2011
<b>Design Registration Number</b>	Q19500
<b>Plant Registration</b>	MC6-154902/12/0
<b>Road Registration</b>	627 RXV
<b>Max Load</b>	20000kg
<b>Number of Axles</b>	2
<b>Lower Hours</b>	12069
<b>Kilometers</b>	24131



<b>Country where assessed</b>	Australia	<b>State</b>	ACT
<b>Operators Manual in English</b>	OK		
<b>Log Book</b>	OK		
<b>Maintenance Records</b>	OK - SERVICE CODES IN COMPUTER SHOULD BE CLEARED		
<b>Crane Safety Manual</b>	No		

<b>Assessed By</b>	Clint Johnston	<b>Company</b>	Crane Inspections WA
<b>Reg. No.</b>	WA1098	<b>Address</b>	3 Allen Court KARRATHA
<b>Phone</b>	0457 262 670	<b>State</b>	WA
<b>Email</b>	ciwa@bigpond.com	<b>Postcode</b>	6714

<b>Initial Inspection Date</b>	16/04/2020	<b>Issued Date</b>	04/05/2020
<b>Re-Inspection Date</b>	01/05/2020	<b>Expiry Date</b>	01/05/2021

### 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

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 - SLIGHT GOUGING RHS UNDERSIDE
No. 2 Section	OK
No. 3 Section	REMEDIED - RHS TIP DAMAGED
No. 4 Section	N/A
Length Markings	N/A
Rope Compensation System	OK
Hook Lift Lugs and Tonnage Decals	OK
Head Sheaves and bearings	OK
Idler Sheave and Bearing	REMEDIED -
Rooster Sheave and Bearing	N/A
Extension / Fly Jib Mounts	OK
Machinery Hook	OK
Boom Lift Cylinders	OK
Lock Valve(s)	OK
Extension Cylinders	OK
Lock Valve(s)	OK
Extend Ropes / Chains	OK
Retract Ropes / Chains	OK
Boom Length Recoil Drum(s)	OK
Boom Angle Indicator	OK
Extension / Fly Jib	N/A
Extension Sheaves and Bearings	N/A
<i>ANTI-TWO BLOCKS</i>	
Boom Head	N/A
Rooster Sheave	N/A
Extension / Fly	N/A
<i>HOOK BLOCKS - WITH CRANE</i>	
Description	2 SHEAVE BLOCK
Type	
Manufacturers Identification	OK - BBT07335
Branded WLL (kg)	OK 16800kg
Safety Latches	
Sheaves and Bearings	NOT OK - REM - 2
Swivel	
Branded with Tare Weight (kg)	OK 180kg
<i>HOOK BLOCKS - WITH CRANE No. 2</i>	
Description	SWIVEL HOOK
Type	
Manufacturers Identification	OK - BB06466
Branded WLL (kg)	OK 20000kg
Safety Latches	OK
Sheaves and Bearings	
Swivel	OK
Branded with Tare Weight (kg)	N/A kg
PUSH BAR	REMEDIED

**FRAME AND CABIN**

Frame	OK
Counterweight Attachment - Security	OK
Counterweight Hazard Striping	OK - FADING RECOMMEND TO REPLACE BEFORE NEXT INSPECTION
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 and Assembly including Seat Belts	OK
Decals / Signs - In English	REMEDIED -
Load Charts in English as per AS1418	OK
Side Slope Deration Chart	OK
Control Levers - Clearly Marked	OK
Control Cables / Pilot Hoses	OK
Heater	OK
Air Conditioner	OK
Gauges	REMEDIED -
Anti-Two block Alarms	N/A
Horn	OK
Access Steps	OK
Doors and Locks	OK
Crane Level Indicator	OK
Front Wiper	OK
Roof Wiper	N/A
Windscreen Wiper / Washer	OK
Switches and Relays	OK
Rotating Beacon(s)	OK

**DRIVE SYSTEMS**

Radiator & Coolant level	OK
Water Temperature Gauge	OK
Radiator Hoses / Heater Hoses	OK
Fan / Fan Shaft Assembly	OK
Fan Guard	OK
Oil Filter & Oil Level	OK
Water Pump and Conditioner	OK
Oil Cooler(s)	OK
Fuel Lines	OK
Throttle	OK
Engine Mounts	OK
Power Transmission Belts	OK
Exhaust Brake	OK
Muffler / Spark Arrestor	OK
Abnormal Engine Noises	OK
Fuel Tank & Diesel Level	OK
Drive Coupling	OK
Transmission Noise / Leaks	OK
Filter and Housing	OK
Pump Drives (PTO)	OK

**CHASSIS INSPECTION**

Frames	OK
Suspension System	OK
Axle Lock Outs (if fitted)	N/A
Steering Components - Lugs / Pins etc	OK
Front Axle(s)	OK
Rear Axle(s)	OK
Differentials / Planetary Drives	OK
Transfer Case	OK
Drive Lines	OK
ABS Brakes	N/A
Front Brake(s)	OK
Rear Brake(s)	OK
Holding / Parking Brake	OK
Emergency Brake Release	N/A
Front Wheels and Tyres	REMEDIED -
Rear Wheels and Tyres	REMEDIED
Spare Wheel	REMEDIED -
Engine Cowls	OK
Articulation Joint	OK - 0.4MM
Tackle Boxes	OK
Fire Extinguisher	OK - DUE 10/2020

**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
Steering Pump	OK
Emergency Steering Pump	OK
Steering Cylinder	OK
Relief Valves	OK
Flow Control Valves	OK
Pressure Filter and Housing	OK

**AIR SYSTEMS**

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

**ELECTRICAL SYSTEMS**

Battery Box	OK
Battery Cables	OK
Battery Isolator	OK
Head Lights	OK - CRACKS IN LENSES MONITOR
Tail Lights	REMEDIED -
Stop Lights	REMEDIED -
Directional Indicators	REMEDIED -
Hazard Lights	OK
Work Lights	OK
Clearance Lights	REMEDIED -
Switches and Relays	OK
Back-up Alarm	OK
Horn for Road Travel	OK

© 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**

Winch Condition & Oil Level	OK
Leaks	OK
Rope Spooling	OK
Mounts	OK
Brake Operation	OK
Drum Turn Indicator	N/A
Wire Rope	OK - WEAR IN AREAS OK, TWIST IN ROPE WHEN LOWERED
Rope Anchor and Pin	OK
Correct Assembly and Connection of Hoist Rope Anchor	OK

---

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

Load Chart Reference Number 03  
 Printed Chart - No Load OK

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	48.00°	48.10°
Boom Length, m	13.85m	13.80m
Radius, m	7.00m	7.00m
Load, kg	3950kg	3900kg

*Rated Capacity Limiter (RCL)*

Load Chart Reference Number 03  
 Rated Load - Boom Fully Extended REMEDIED

	Rated Capacity Indicator	Measured
Radius, m	9.20m	9.20m
Load, kg	3200kg	2714kg

Rated Load in Stability OK

	Rated Capacity Indicator	Measured
Radius, m	9.20m	9.20m
Load, kg	3200kg	2714kg

Line Pull Test OK

	Rated Capacity Indicator	Measured
Load, kg	4300kg	4300kg

Winch Brake Test OK

	Rated Capacity Indicator	Measured
Load, kg	4300kg	4300kg

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

**Additional Comments on Functional Tests - Main Winch**

LINE PULL AND STABILITY LOAD TEST TO BE COMPLETED AFTER REAIRS CARRIED OUT

**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**

TEREX BULLETINS

OK  
OK - NIL OUTSTANDING

---

**SITE REQUIREMENTS - NA**

---

# APPENDICES

## CRANE

Model

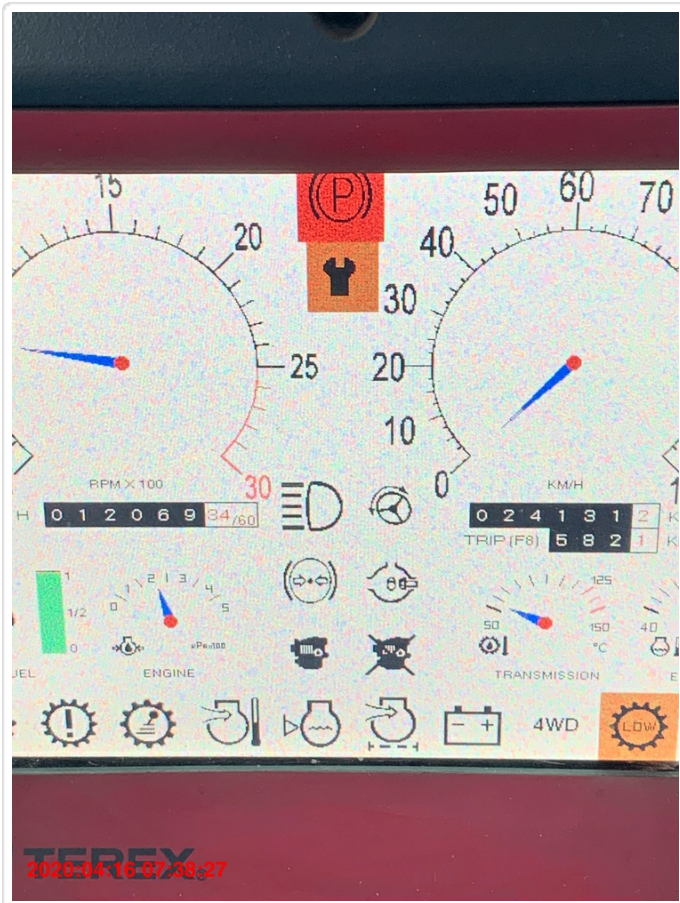


Serial Number

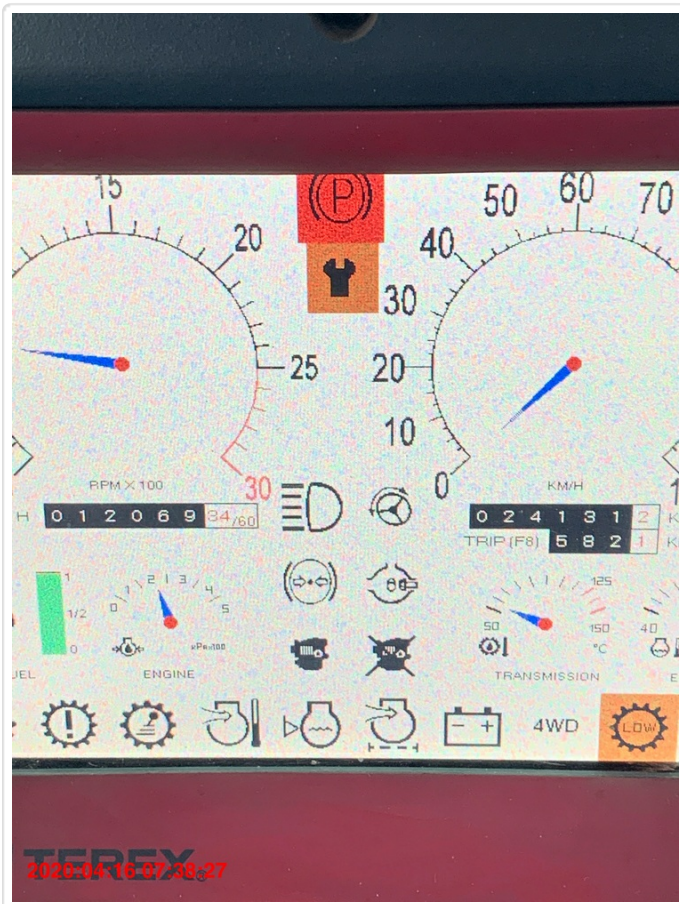




Lower Hours



Kilometers

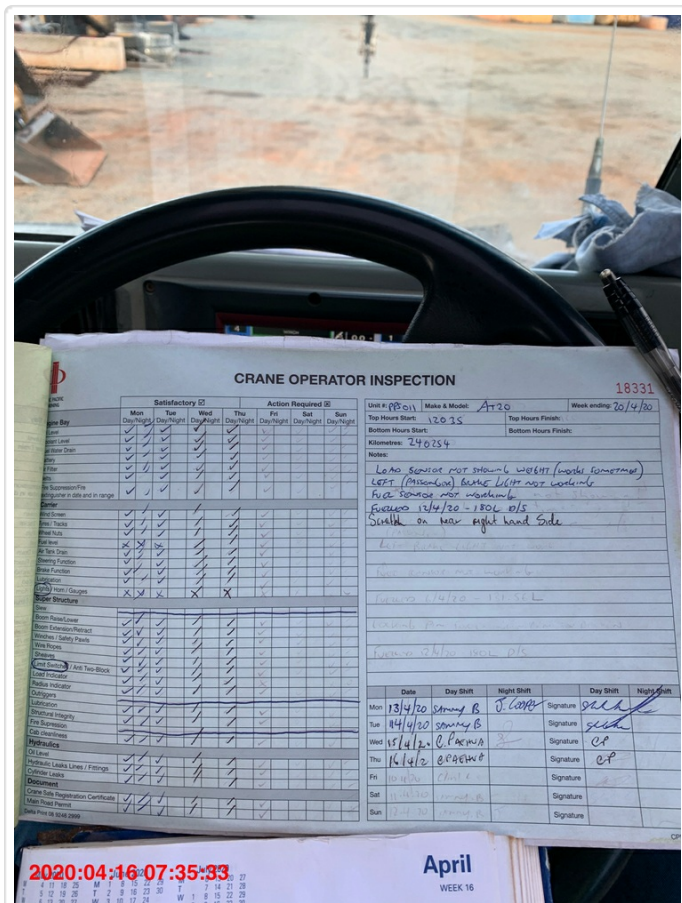


© The Crane Industry Council of Australia 2009

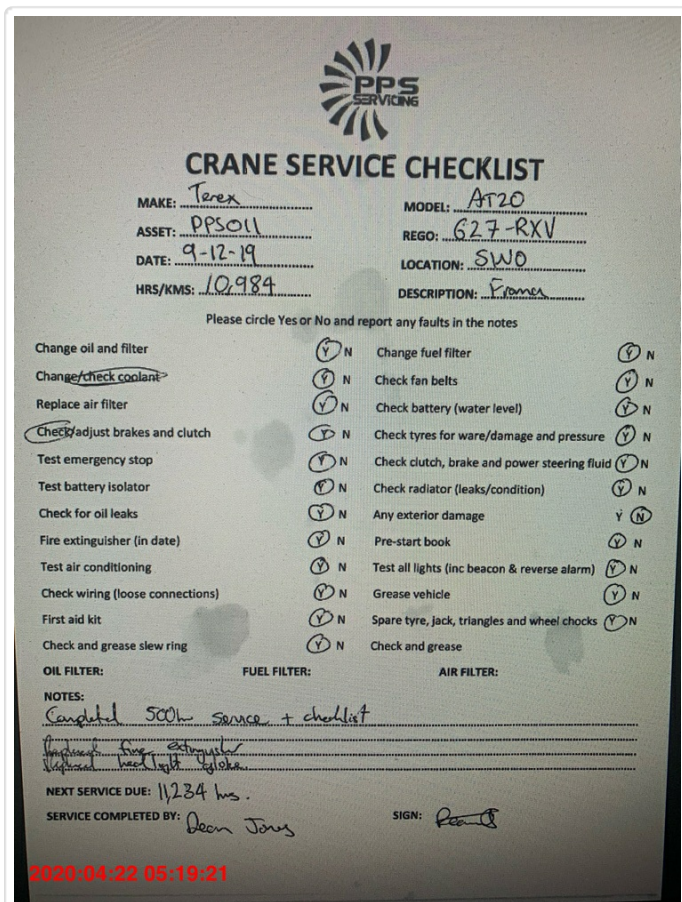
All CraneSafe forms, checklists, surveys, audits and reports together with the embedded methodology contained within are the intellectual property of The Crane Industry Council of Australia and may not be use without The Crane Industry Council of Australia's prior written consent.

# ASSESSMENT

Log Book  
VARIOUS NOTES IN PRE STARTS, RECOMMEND TO INVESTIGATE



Maintenance Records

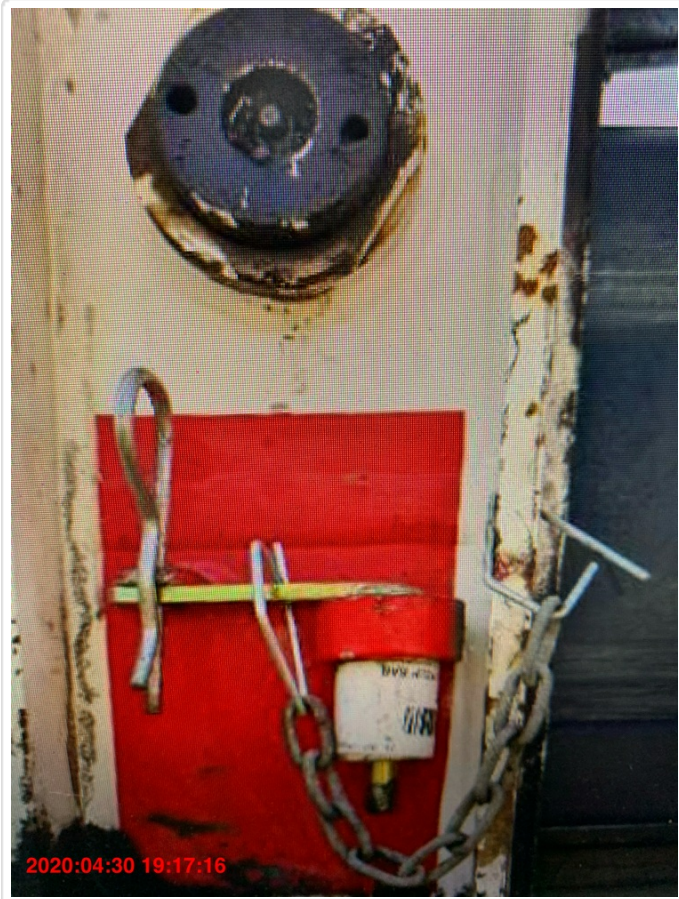


## BOOM AND ATTACHMENTS



No. 1 Section  
RECOMMEND TO INVESTIGATE GOUGING ON UNDERSIDE  
1ST EXTENSION WEAR PADS

No. 3 Section



Idler Sheave and Bearing



© 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 Lift Cylinders



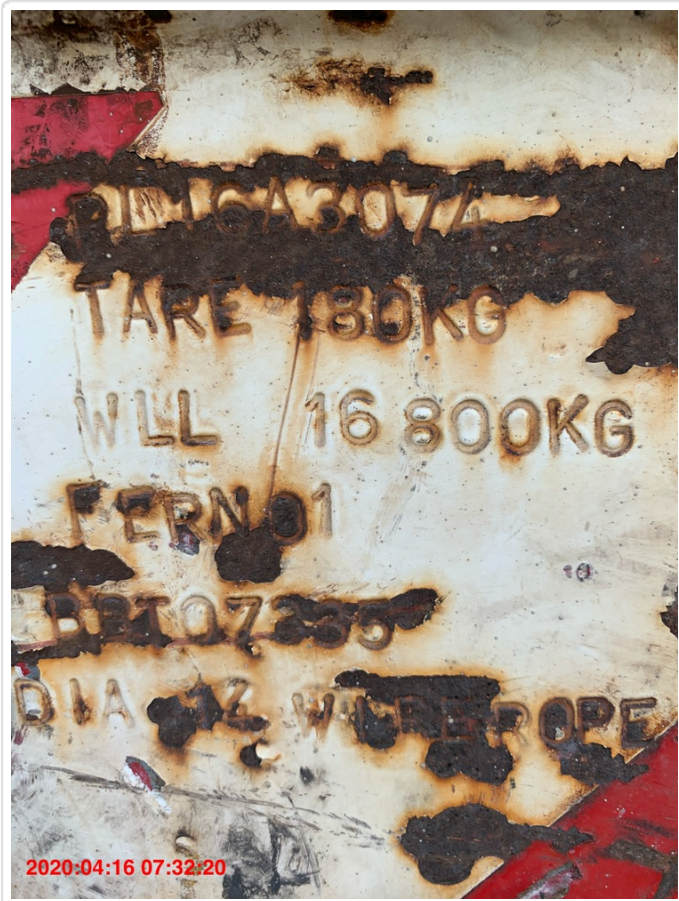
Description



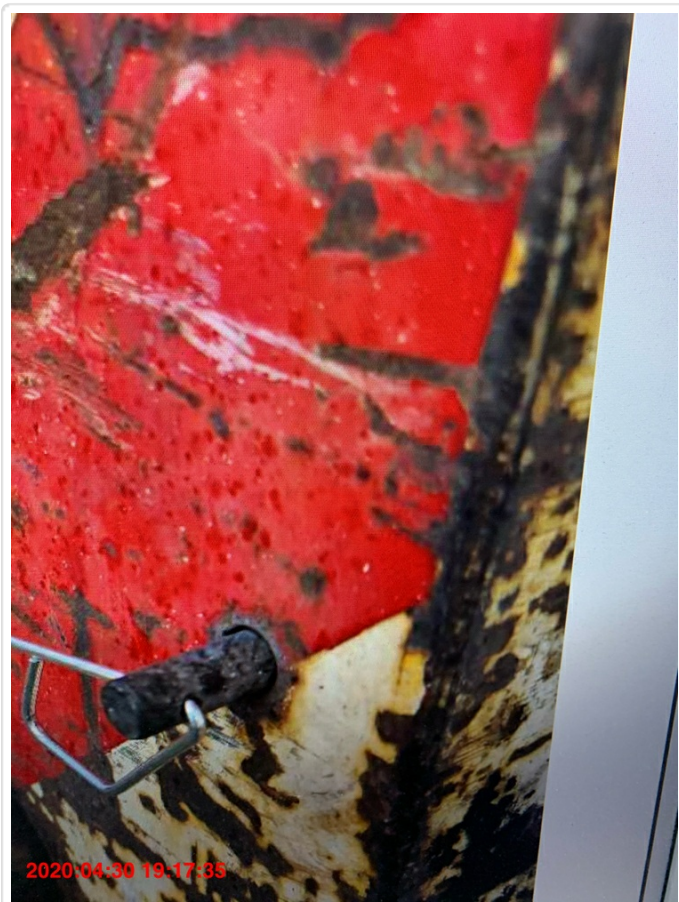
© The Crane Industry Council of Australia 2009

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



Sheaves and Bearings



© 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



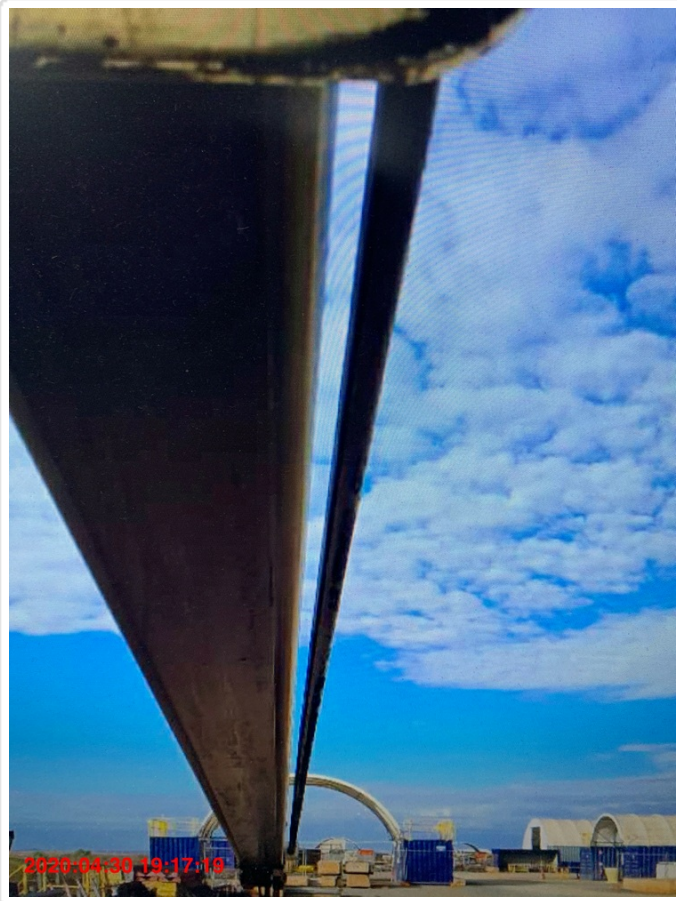
Manufacturers Identification



© 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.

Additional



**FRAME AND CABIN**



Counterweight Hazard Striping  
COUNTERWEIGHT HAZARD STRIPING FADING, REPLACE  
BEFORE NEXT INSPECTION

© 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 Mounting Pins



Decals / Signs - In English



© 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.

Gauges



## DRIVE SYSTEMS

Drive Coupling



## CHASSIS INSPECTION

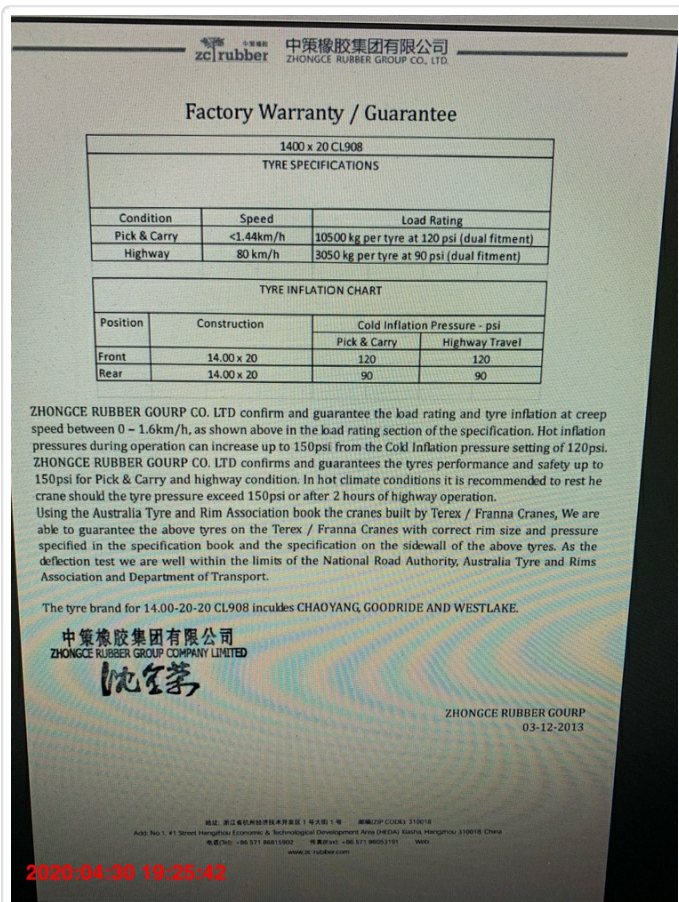
© The Crane Industry Council of Australia 2009

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.

Front Wheels and Tyres



Front Wheels and Tyres  
 CERTIFICATE SUPPLIED BY TURE MANUFACTURER  
 STATING COMPLIANCE WITH TETEX LOAD CHARTS

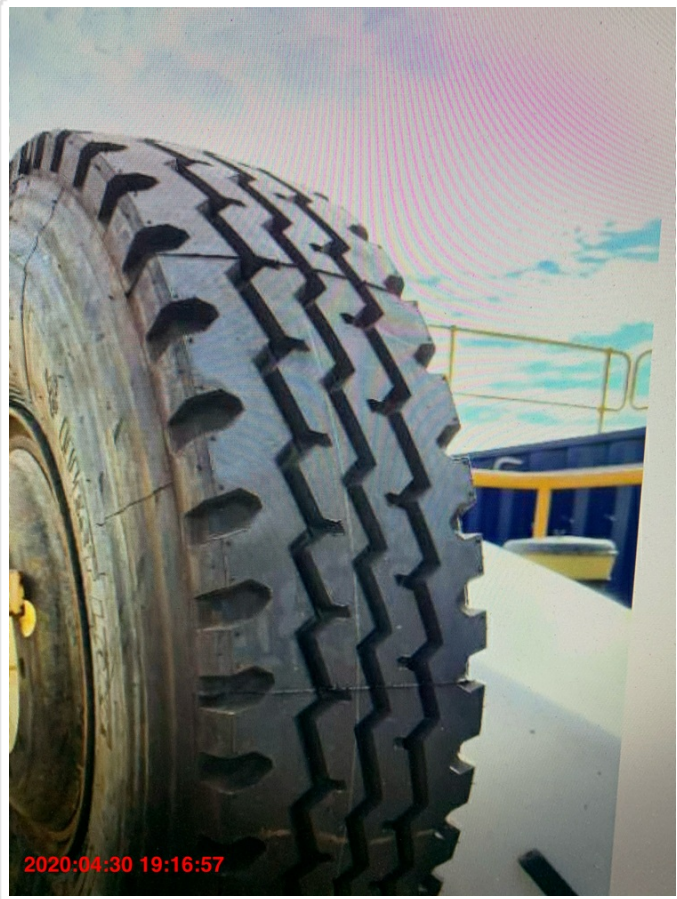


© The Crane Industry Council of Australia 2009

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.

Rear Wheels and Tyres  
VALVE EXTENSIONS FITTED AND PRESSURES CORRECT

Spare Wheel



© 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.

Articulation Joint



**HYDRAULIC SYSTEM**

Steering Cylinder



## AIR SYSTEMS

Drain Valves



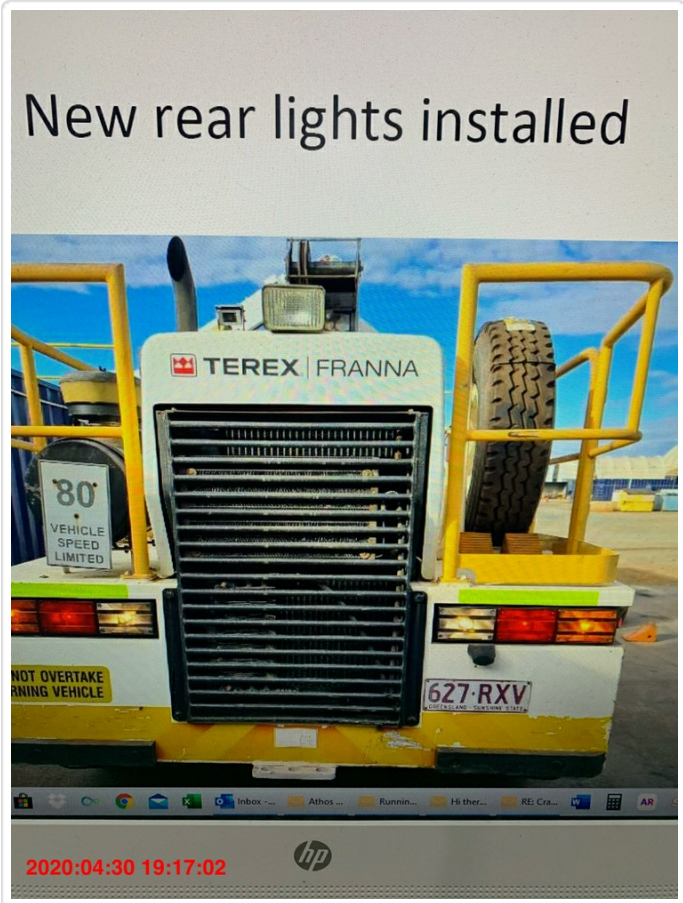
## ELECTRICAL SYSTEMS

Head Lights

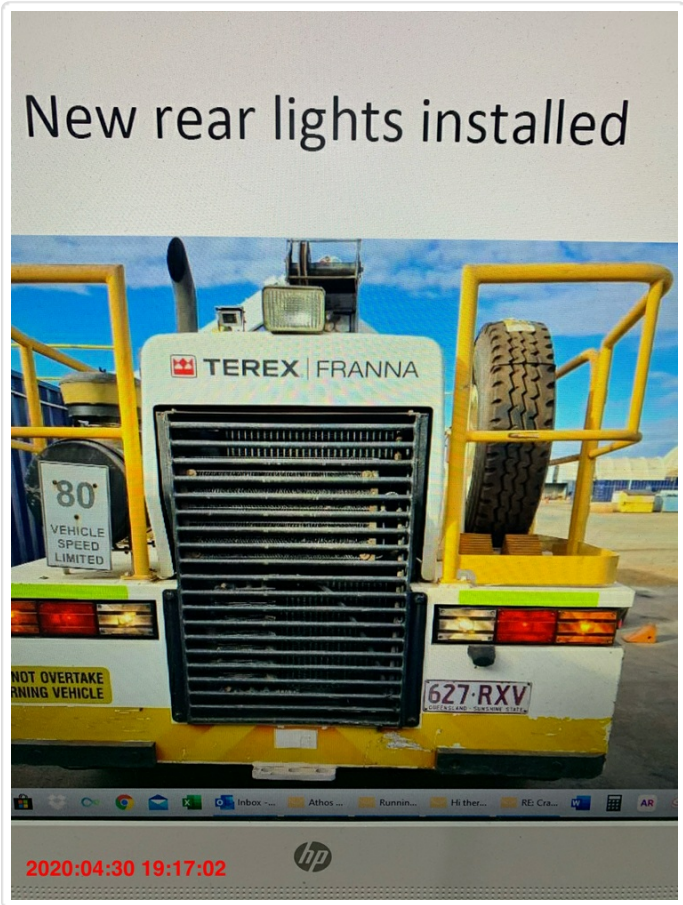




Tail Lights



Stop Lights



© 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.

Directional Indicators



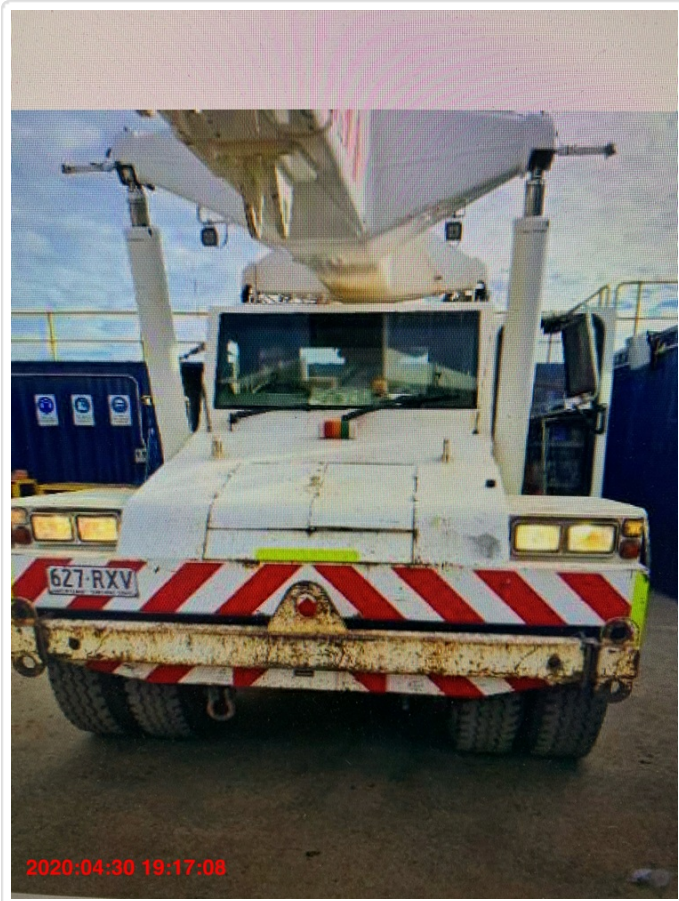
Work Lights



© 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.

Clearance Lights



## MAIN WINCH

Correct Assembly and Connection of Hoist Rope Anchor

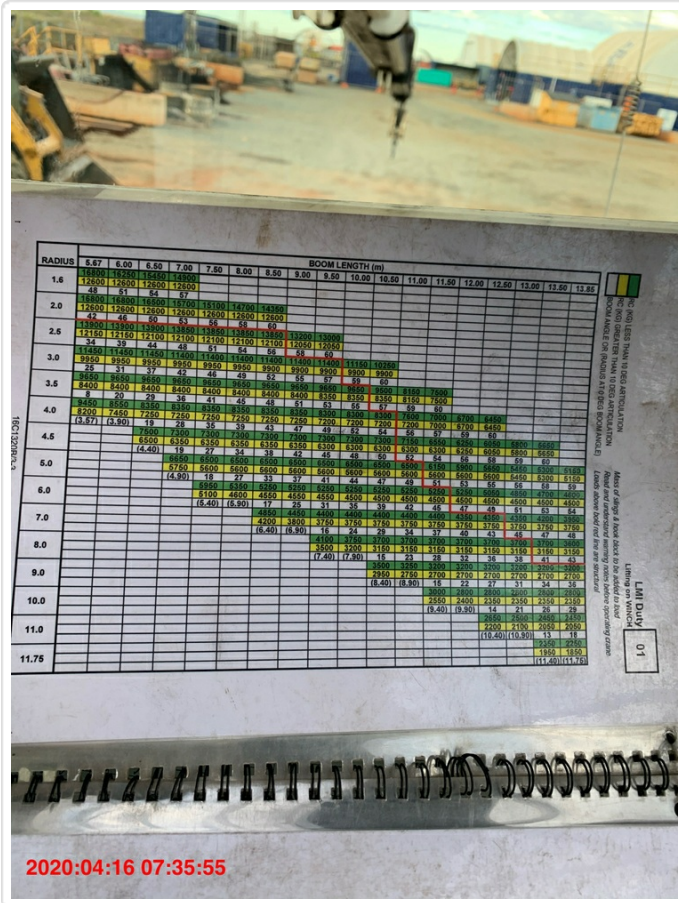


## FUNCTIONAL TESTS - MAIN WINCH

© 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.

Load Chart Reference Number



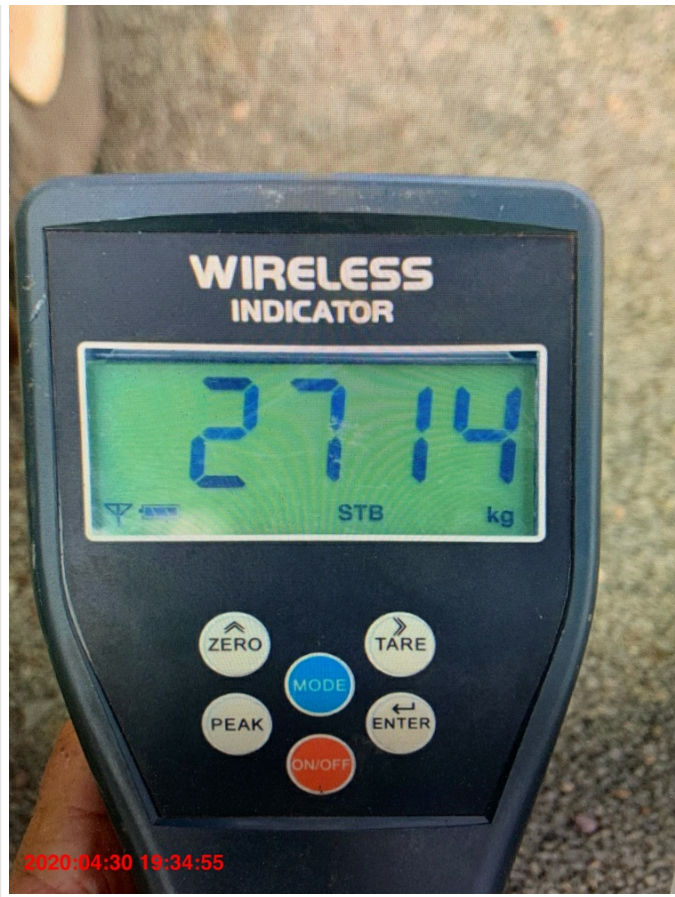
Rated Load - Boom Fully Extended - Load Measured  
LOAD EXCESS OF RCI



© 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.

Rated Load - Boom Fully Extended - Load Measured



Line Pull Test - Load RCI



© 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 Measured







Accreditation no. 19898

Certificate No: NSW147500

CraneSafe®

**CERTIFICATE OF ANNUAL INSPECTION AND TESTING**

**Articulated Mobile Crane**

**Inspection Date:** 01/05/20

**Renewal Date:** 01/05/2021

**Issued Date:** 04/05/2020

**Location of Inspection:** CAPE PRESTON

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

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

**Crane Make:** Franna

**Crane Model:** AT 20

**Crane Serial Number:** 4601

**YOM:** 2011

**Hours:** 12069



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:** Clint Johnston

**CraneSafe Assessor No.:** WA1098

**CraneSafe Assessment No:** AC A 147500-11

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: NSW147500

CraneSafe®

Accreditation no. 19898

**LOAD INDICATOR CERTIFICATION**  
**Articulated Mobile Crane**

**Annual Inspection Date:** 04/05/2020

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

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

**Crane Make:** Franna

**Crane Model:** AT 20

**Crane Serial Number:** 4601

**YOM:** 2011 **Hours:** 12069

**Rated Capacity Indicator (RCI)**

**Load Chart Reference Number** 03

**Printed Chart - No Load**

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	48.00	48.10
Boom Length, m	13.85	13.80
Radius, m	7.00	7.00
Load, kg	3,950.00	3,900.00

**Rated Capacity Limiter (RCL)**

**Load Chart Reference Number** 03

**Rated Load - Boom Fully Extended**

**Rated Load in Stability**

	Rated Capacity Indicator	Measured
Radius, m	9.20	9.20
Load, kg	3,200.00	2,714.00

	Rated Capacity Indicator	Measured
Radius, m	9.20	9.20
Load, kg	3,200.00	2,714.00

**Line Pull Test**

	Rated Capacity Indicator	Measured
Load, kg	4,300.00	4,300.00

**Winch Brake Test**

	Rated Capacity Indicator	Measured
Load, kg	4,300.00	4,300.00

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:** Clint Johnston

**CraneSafe Assessor No.:** WA1098

**CraneSafe Assessment No.:** AC A 147500-11

**Issued Date.:** 04/05/2020

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