



Accreditation no. 19898

## ARTICULATED MOBILE CRANE *Annual Report*

**Company** C & C Construction Services  
**Address** 1 Sir Henry Parkes Avenue MEDOWIE  
**State** NSW  
**Postcode** 2318

**ABN** 82 780 055 822  
**Representative** Mr Peter Ritters  
**Phone** 02 4982 8257  
**Email** pritters@cccs.net.au

**Make** Franna  
**Model** AT 20  
**Serial Number** 4531  
**Plant Number** FCS059  
**Year of Manufacture** 2011  
**Design Registration Number** Q19500  
**Plant Registration** TBA  
**Road Registration** 215 VAW  
**Max Load** 20000kg  
**Number of Axles** 2  
**Lower Hours** 8039  
**Kilometers** 19073



**Country where assessed** Australia  
**Operators Manual in English** OK  
**Log Book** OK  
**Maintenance Records** REMEDIED  
**Crane Safety Manual** No

**State** NSW

**Assessed By** Troy Kiem  
**Reg. No.** NSW1082  
**Phone** 0425 384 091  
**Email** a1craneinspections@gmail.com

**Company** A1 Crane Inspections  
**Address** P O Box 414 KURRI KURRI  
**State** NSW  
**Postcode** 2327

**Initial Inspection Date** 05/09/2019

**Issued Date** 01/10/2019

**Re-Inspection Date** 27/09/2019

**Expiry Date** 27/09/2020

### 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

**BOOM AND ATTACHMENTS**

Base Section	OK
No. 1 Section	OK
No. 2 Section	OK
No. 3 Section	OK
No. 4 Section	N/A
Length Markings	N/A
Rope Compensation System	OK
Hook Lift Lugs and Tonnage Decals	OK - Faded.
Head Sheaves and bearings	OK
Idler Sheave and Bearing	OK
Rooster Sheave and Bearing	N/A
Extension / Fly Jib Mounts	N/A
Machinery Hook	OK
Boom Lift Cylinders	OK
Lock Valve(s)	OK
Extension Cylinders	OK
Lock Valve(s)	OK
Extend Ropes / Chains	OK - Not all visible
Retract Ropes / Chains	OK - Not all visible
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	Block
Branded WLL (kg)	OK 16800kg
Manufacturers Identification	OK - BBT05605
Safety Latches	N/A
Sheaves and Bearings	OK - 2
Swivel	N/A
Branded with Tare Weight (kg)	OK 180kg
<i>HOOK BLOCKS - WITH CRANE No. 2</i>	
Description	Hook
Branded WLL (kg)	OK 20000kg
Manufacturers Identification	OK - BBT11441
Safety Latches	OK
Sheaves and Bearings	N/A
Swivel	OK
Branded with Tare Weight (kg)	N/A kg

**FRAME AND CABIN**

Frame	OK
Counterweight Attachment - Security	OK - Intergrated
Counterweight Hazard Striping	REMEDIED
Boom Mounting Lugs	OK
Boom Mounting Pins	OK - New
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	OK
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	OK
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 - Light on boom not fitted at time of inspection.

**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 - Electronic
Engine Mounts	OK
Power Transmission Belts	N/A
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	OK
Front Wheels and Tyres	OK - Pick and carry creep speed certificates not found.
Rear Wheels and Tyres	OK
Spare Wheel	OK
Engine Cowls	OK
Articulation Joint	OK - 0.01mm measured
Tackle Boxes	OK
Fire Extinguisher	OK - Current

**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
Tail Lights	OK
Stop Lights	OK
Directional Indicators	OK
Hazard Lights	OK
Work Lights	OK
Clearance Lights	OK
Switches and Relays	OK
Back-up Alarm	OK
Horn for Road Travel	OK

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**MAIN WINCH**

Winch Condition & Oil Level	OK - Oil level internal.
Leaks	OK
Rope Spooling	OK
Mounts	OK
Brake Operation	OK
Drum Turn Indicator	N/A
Wire Rope	OK - 14.3mm measured.
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	CMN
Printed Chart - No Load	OK

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	43.00°	42.80°
Boom Length, m	13.85m	13.80m
Radius, m	8.00m	8.00m
Load, kg	3600kg	3600kg

*Rated Capacity Limiter (RCL)*

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

	Rated Capacity Indicator	Measured
Radius, m	6.80m	6.70m
Load, kg	4000kg	3460kg

Rated Load in Stability OK

	Rated Capacity Indicator	Measured
Radius, m	6.80m	6.70m
Load, kg	4000kg	3460kg

Line Pull Test OK

	Rated Capacity Indicator	Measured
Load, kg	4600kg	3830kg

Winch Brake Test OK

	Rated Capacity Indicator	Measured
Load, kg	4600kg	3830kg

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

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**CRACK INSPECTION**

No Cracks Detected

OK

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

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

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**SITE REQUIREMENTS - NA**

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# APPENDICES

## CRANE

Lower Hours



Model



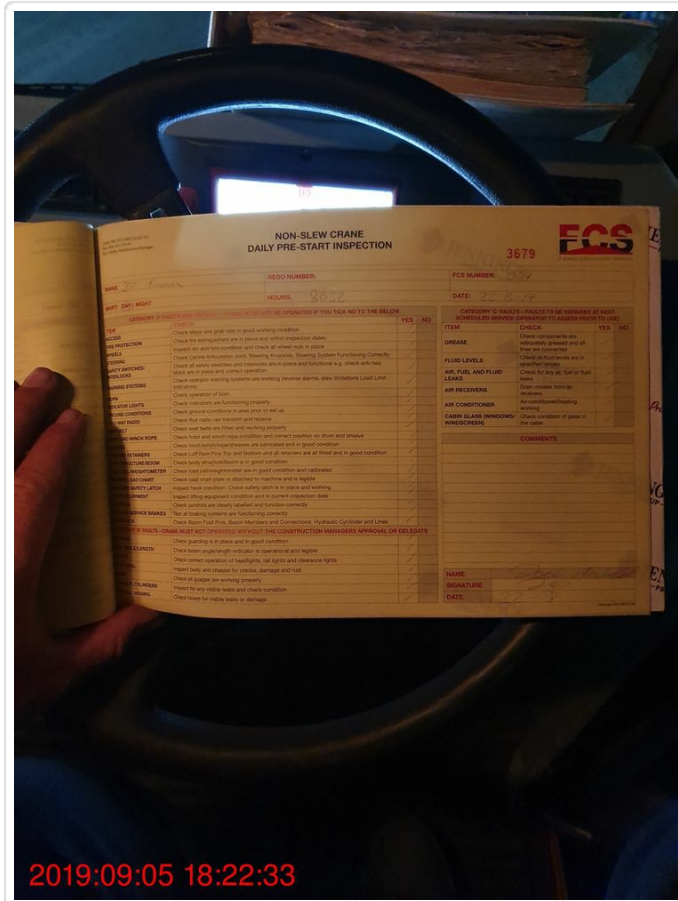
Serial Number





**ASSESSMENT**

Log Book



**BOOM AND ATTACHMENTS**

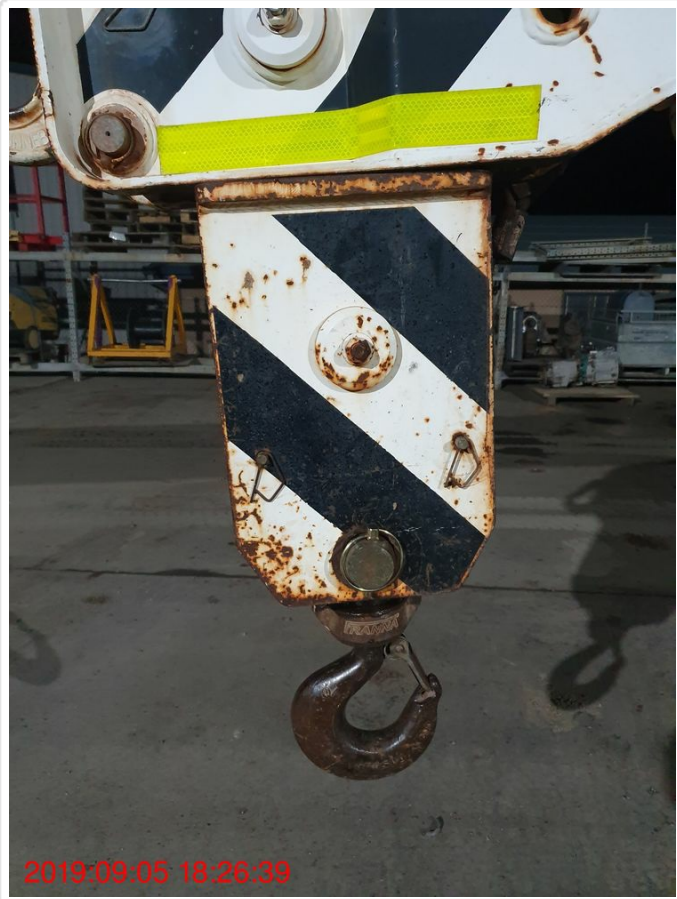
No. 1 Section



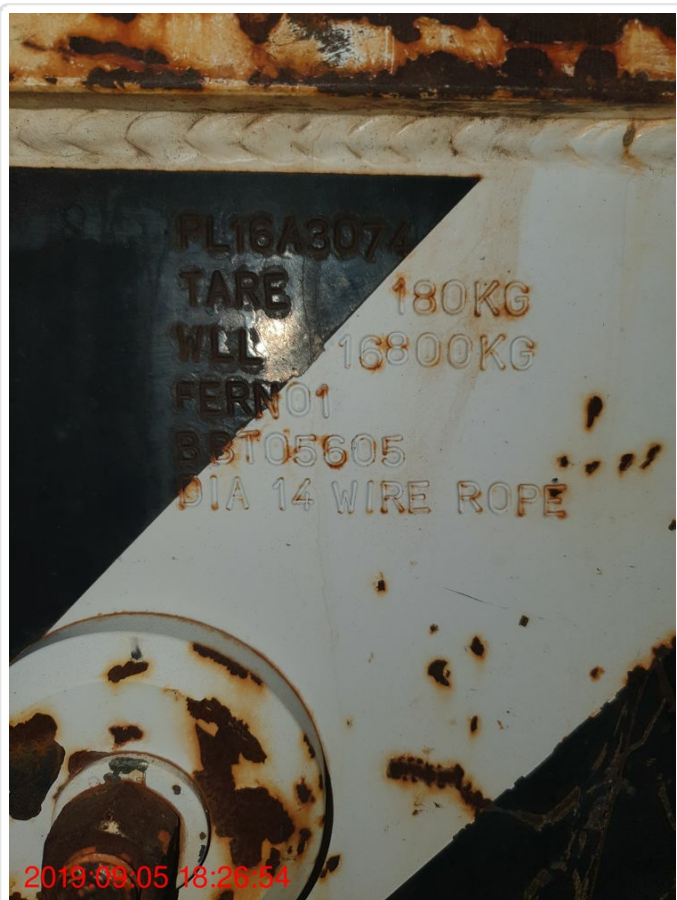
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Description



Manufacturers Identification



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Description

Manufacturers Identification



**FRAME AND CABIN**

Counterweight Hazard Striping  
HVPM INSTALLED NEW DECAL

## DRIVE SYSTEMS

Throttle



## CHASSIS INSPECTION

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Spare Wheel



Articulation Joint



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## HYDRAULIC SYSTEM

Relief Valves

Under floor. Not visible.

Compensator on pump is functioning correctly

## AIR SYSTEMS

Air Dryer



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## ELECTRICAL SYSTEMS

Tail Lights



## MAIN WINCH

Correct Assembly and Connection of Hoist Rope Anchor



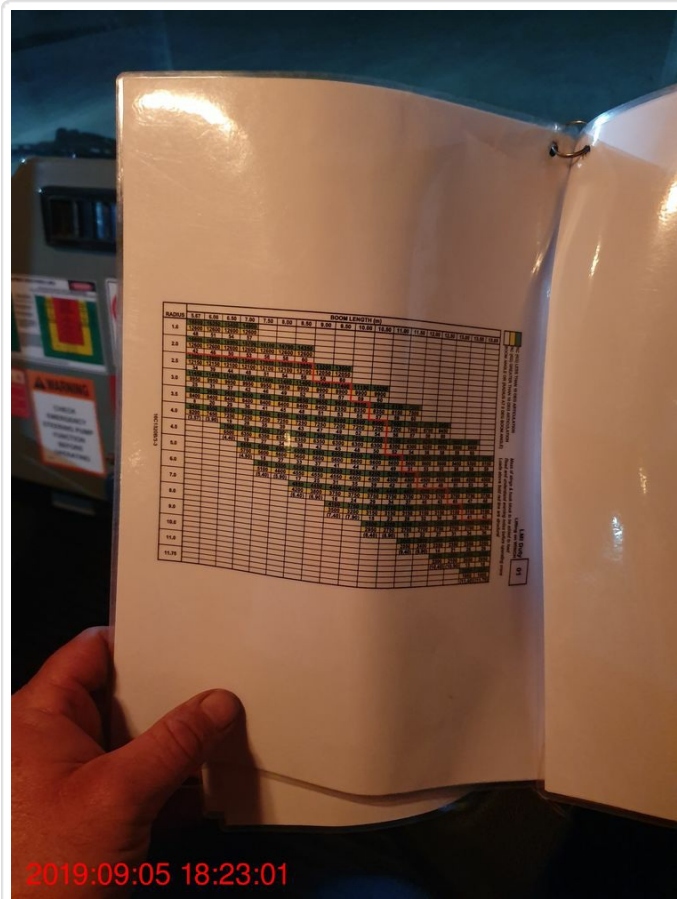
## FUNCTIONAL TESTS - MAIN WINCH

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Load Chart Reference Number



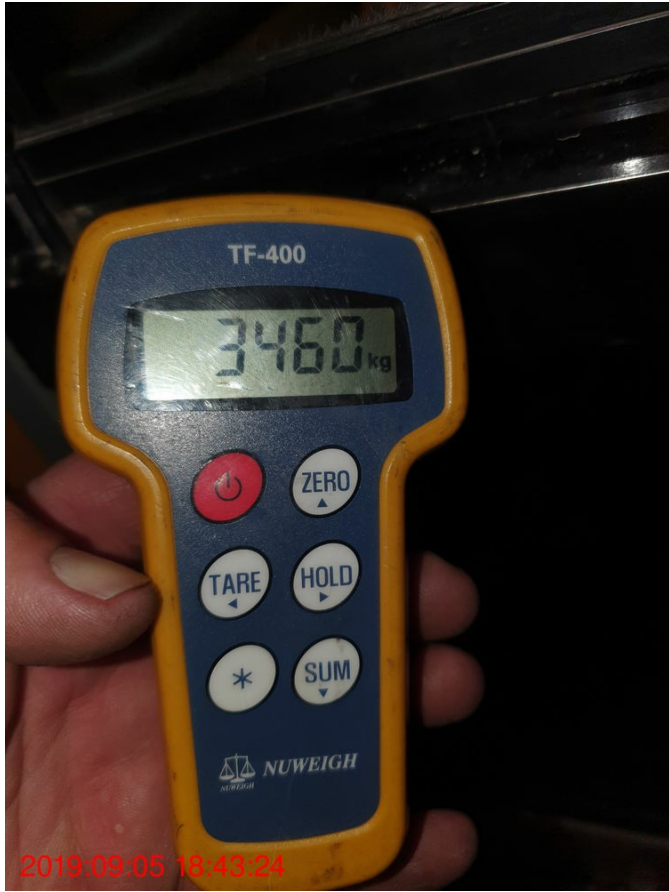
Rated Load - Boom Fully Extended - Load RCI



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Rated Load - Boom Fully Extended - Load Measured



Line Pull Test - Load RCI



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Line Pull Test - Load Measured





Farrelly Construction Services

Farrelly Construction Services  
 ABN 19 136 719 394  
 PO BOX 284  
 RUTHERFORD, NSW, 2320  
 Phone: 02 4932 4771  
 Email: admin@fpcs.com.au  
 Website: www.fpcs.com.au

**FCS SERVICE REPORT**

Service No. 0056

CUSTOMER: CTC

ADDRESS:

CONTACT PHONE:

MACHINE MAKE: TEREX

MODEL: AT 20-3

SERIAL NUMBER: 4531

HOUR METER: 7859

		OK	POTENTIAL	URGENT	
A. General Maintenance - Visual Inspection		1	2	3	Comments
1	Oil Leaks	/			
2	ROPS Protection	/			
3	Main Frame	/			
4	Boom Arms	/			
5	Bob Tach (wedges & linkage)		—		
6	Tyre/Track Condition	/			
7	Axles (Leaks)	/			

B. Operational Checks		1	2	3	Comments
8	Throttle	/			
9	Pedal Linkage & Auxillary	/			
10	Steering Creep (return to Neutral)	/			
11	Exhaust Smoke	/			
12	Check Preheaters	/			
13	Indicator Lights	/			
a	Hydro Filter	/			
b	Engine Oil Pressure	/			
c	Engine Temperature	/			
d	Alternator Charge	/			
e	Hourmeter	/			
14	Check Ignition Switch	/			
15	Fuel Gauge	/			
16	Lights	/			

C. General Maintenance		1	2	3	Comments
17	Check Engine Oil Level	/			
18	Check Engine Oil Leaks	/			
19	Alternator (check mount)	/			
20	Check Alternator Belt	/			
21	Check Angle Drive Belt		—		
22	Check Pump Drive Belt		—		
23	Inspect Engine Mounts	/			
24	Starter Mount Bolts	/			
25	Empty Water Trap (if applic)	/			
26	Battery (water & terminals)	/			
27	Inspect Bob Tach Lever Operation		—		
28	Check Chaincase Oil Level		—		
29	Check Hydraulic Fluid Level	/			

D. Last Filter Change Date		1	2	3	Comments
30	Engine	/			
31	Fuel	/			
32	Hydrostatic	/			
33	Air Primary	/			
34	Air Secondary	/			

E. Cooling System		1	2	3	Comments
35	Check Coolant Level	/			
36	Fan Blade Condition (if applic)	/			
37	Hose Connections	/			
38	Water Pump (leaks)	/			

F. Roll Up Cab		1	2	3	Comments
39	Check Pump Mount		—		
40	Check Steer Bolts		—		
41	Check for Leaks		—		

G. Cylinder Check		1	2	3	Comments
42	Check Lift/Tilt Cylinders For Leaks	/			
43	Check Bucket Cylinder For Leaks	/			
44	Check Hoses For Wear	/			

H. Safety Check		1	2	3	Comments
45	Seat Bar Operation		—		
46	Lift & Tilt Pedal Locks	/			
47	Parking Brake	/			
48	Lift Override Valve	/			
49	Seat Belts (damage/latch operation)	/			
50	ROPS Fasteners Secure		—		
51	Decals	/			

Comments  
250HR SERVICE  
REPLACE STARTER MOTOR

INSPECTED BY: [Signature] DATE: 11-4-19

CUSTOMER SIGNATURE: \_\_\_\_\_ DATE: \_\_\_\_\_