

ARTICULATED MOBILE CRANE Annual Report

Company	Boom Logistics Ltd (WA)	ABN	28 095 466 961
Address	PO Box 254 CLOVERDALE	Representative	Mr Scott Priddis
State	ACT	Phone	08 9410 8521
Postcode	6985	Email	spriddis@boomlogistics.com.au

Make	Franna
Model	AT 22
Serial Number	22002
Plant Number	9062
Year of Manufacture	2013
Design Registration Number	Q27576
Plant Registration	MC6-174659/13/0
Road Registration	826TIN
Max Load	22000
Number of Axles	2
Lower Hours	4105
Kilometers	1908



Country where assessed	Australia	State	WA
Operators Manual in English	Yes	Log Book	Yes
Crane Safety Manual	No		

Assessed By	Mitchell White	Company	AllPlant Inspections Pty Ltd
Reg. No.	WA1119	Address	3 Hamilton Way SILVER SANDS
Phone	0414 815 189	State	WA
Email	mitchwhite379@hotmail.com	Postcode	6210

Initial Inspection Date	02/11/2016	Re-Inspection Date	02/11/2016
Conforms to Checklist	Yes		

Actions Required - NA

This is a thorough visual inspection of the mechanical components, this inspection does not cover the suitability of the electrical components.

BOOM AND ATTACHMENTS

Base Section	OK
No. 1 Section	OK - inner rear wear pads require tightening
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
Head Sheaves and bearings	OK
Idler Sheave and Bearing	OK
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 - unseen
Retract Ropes / Chains	OK - Some distortion in LH retract rope possibly due to stretching/excessive pulling (sheave bosses ok) monitor
Boom Length Recoil Drum(s)	OK
Boom Angle Indicator	OK
Extension / Fly Jib	N/A
Extension Sheaves and Bearings	N/A
Boom Head	N/A
Rooster Sheave	N/A
Extension / Fly	N/A
HOOK BLOCKS - WITH CRANE	
Description	16.8t Fall block
Manufacturers Identification	OK - BBT15349
Safety Latches	N/A
Sheaves and Bearings	OK - 2 sheave
Swivel	N/A
Branded WLL	OK - 16.8t
Branded with Weight (Tare)	OK - 180kg
HOOK BLOCKS - WITH CRANE No. 2	
Description	25t swivel hook
Manufacturers Identification	OK - BBT15372
Safety Latches	NOT OK - REM - missing nut fitted to safety latch
Sheaves and Bearings	N/A
Swivel	OK
Branded WLL	OK - 25t
Branded with Weight (Tare)	N/A - (20kg)
HOOK BLOCKS - WITH CRANE No. 3	
Description	10t Rhino hook
Manufacturers Identification	OK - BBT14823
Safety Latches	OK
Sheaves and Bearings	N/A
Swivel	N/A
Branded WLL	OK - 10t
Branded with Weight (Tare)	OK - 15kg
Pin Retainers	REMEDIED -

FRAME AND CABIN

Frame	OK
Counterweight Attachment - Security	N/A
Boom Mounting Lugs	OK
Boom Mounting Pins	OK
Lift Cylinder Lugs	OK
Lift Cylinder Pins	OK
Cab Glass and Mirrors	OK - Fit rubber stopper at base of window to prevent window latch fouling/breaking off
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	N/A - deration info in charts
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

Additional Comments on Frame and Cabin

Stamp Plant Reg number on boom pivot lug

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 - Some wear evident in steering cyl pins/bearings
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	OK
Rear Wheels and Tyres	OK
Spare Wheel	OK
Engine Cowl	OK
Tackle Boxes	OK
Slewing Ring / Articulation Joints	OK - 0.02mm measured
Fire Extinguisher	OK - 9/2016

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	N/A

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
Clearance Lights	OK
Back-up Alarm	OK
Switches and Relays	OK
Work Lights	OK
Horn for Road Travel	OK

FUNCTIONAL TESTS - MAIN WINCH

Load Chart Reference Number T133750B Duty#01
 Printed Chart - No Load OK

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	31.00	34.00
Boom Length, m	13.50	13.60
Radius, m	9.00	9.00
Load, kg	3,400.00	3,300.00

Load Chart Reference Number T133750B Duty#01
 Rated Load - Boom Fully Extended OK - limiter operation satisfactory

	Rated Capacity Indicator	Measured
Radius, m	9.50	9.90
Load, kg	3,100.00	3,093.00

Rated Load in Stability OK

	Rated Capacity Indicator	Measured
Radius, m	9.50	9.90
Load, kg	3,100.00	3,093.00

Line Pull Test OK

	Rated Capacity Indicator	Measured
Load, kg	4,200.00	4,212.00

Winch Brake Test OK

	Rated Capacity Indicator	Measured
Load, kg	4,200.00	4,212.00

Winch Condition & Oil Level OK
 Winch Rope Condition / Anchors REMEDIED - Rope S/n 4038194.1
 Overload Warning Lights and Alarms OK
 Calibration OK - Boom length and angle calibrated after inspection

FUNCTIONAL TESTS - AUXILIARY WINCH - NA

CRACK INSPECTION

No Cracks Detected	OK - None evident at time
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ADDITIONAL ANNUAL INSPECTIONS STIPULATED BY THE MANUFACTURER

Paperwork with crane	OK
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APPENDICES CRANE



Serial Number



Model

BOOM AND ATTACHMENTS

Safety Latches



Remarks

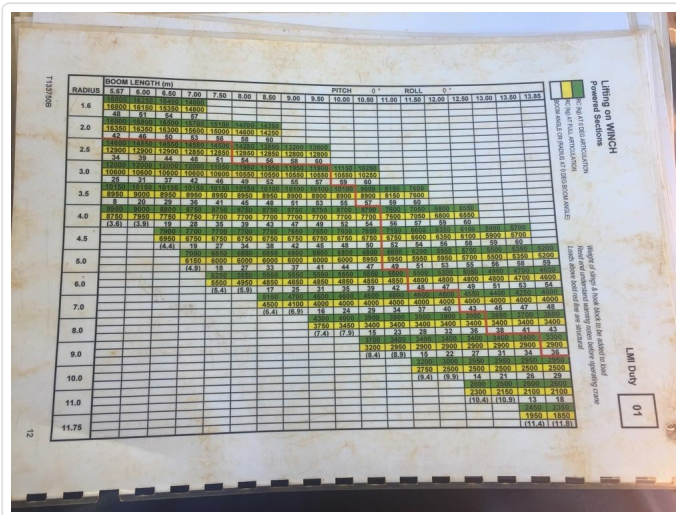


CHASSIS INSPECTION



Slewing Ring / Articulation Joints

FUNCTIONAL TESTS - MAIN WINCH



Load Chart Reference Number



Rated Load - Boom Fully Extended - Load RCI



Rated Load - Boom Fully Extended - Load Measured



Rated Load - Boom Fully Extended - Load Measured
Full boom / stability



Line Pull Test - Load Measured



Winch Rope Condition / Anchors



Winch Rope Condition / Anchors