



# ARTICULATED MOBILE CRANE

## Report

AC A 153036-11



# 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: 20/11/2020

Reassessment Date: 30/03/2021

Conforms to Checklist: Yes

Issued Date: 31/03/2021

Expiry Date: 30/03/2022



### COMPANY

**RedLine Mechanical Pty Ltd**

ABN 68 070 729 983

PO BOX 3054 MIDLAND WA 6056

### REPRESENTATIVE

**Mr Michael Verhulst** Phone: 0450 695 239

Email: redlinemechanical@hotmail.com

### ASSESSED BY

**Sean Chinnery**

Reg No: WA1083

Phone: 0408 502 735

Email: sean@onsiteinspections.com.au

### COMPANY

**Onsite Inspection and Training**

PO Box 383 WILLETTON

WA 6955

## Franna 4WD-MAC14

**LOWER HOURS**  
**12779**

**KILOMETERS**  
**10313**

**YOM**  
**1996**

**SERIAL NUMBER**  
MC14015

**PLANT NUMBER**  
MC14015

**MAX LOAD**  
14000 KG

**NUMBER OF AXLES**  
2

**DESIGN REGISTRATION NUMBER**  
14/11/96

**PLANT REGISTRATION NUMBER**  
WC19810

**ROAD REGISTRATION**  
NOT ROAD REGISTERED

## Assessment

Country Where Assessed	Australia
State	WA
Operators Manual in English	OK
Log Book	OK
Maintenance Records	OK
Crane Safety Manual	No
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

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## Boom and Attachments

Base Section	OK	Machinery Hook	OK
No. 1 Section	OK	Boom Lift Cylinders	OK
No. 2 Section	OK	Lock Valve(s)	OK
No. 3 Section	REMEDIED	Extension Cylinders	OK
No. 4 Section	N/A	Lock Valve(s)	OK
Length Markings	N/A	Extend Ropes / Chains	OK
Rope Compensation System	OK	Retract Ropes / Chains	OK
Hook Lift Lugs and Tonnage Decals	OK	Boom Length Recoil Drum(s)	OK
Head Sheaves and bearings	OK	Boom Angle Indicator	OK
Idler Sheave and Bearing	OK	Extension / Fly Jib	N/A
Rooster Sheave and Bearing	N/A	Extension Sheaves and Bearings	N/A
Extension / Fly Jib Mounts	N/A		

### ANTI-TWO BLOCKS

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

### HOOK BLOCKS - WITH CRANE

Description	Block	Manufacturers Identification	OK
		<i>BP11060996</i>	
Branded WLL (kg)	OK	Safety Latches	N/A
<i>7500kg</i>		Sheaves and Bearings	OK
		<i>1</i>	
Swivel	N/A	Branded with Tare Weight (kg)	OK
		<i>71kg</i>	

### HOOK BLOCKS - WITH CRANE No. 2

Description	Swivel hook	Manufacturers Identification	OK
		<i>CCE 2071</i>	
Branded WLL (kg)	OK	Safety Latches	OK
<i>15000kg</i>		Sheaves and Bearings	N/A
		<i>0</i>	
Swivel	OK	Branded with Tare Weight (kg)	N/A
		<i>0kg</i>	

### HOOK BLOCKS - WITH CRANE No. 3

Description	Rhino hook	Manufacturers Identification	OK
		<i>175917</i>	
Branded WLL (kg)	OK	Safety Latches	OK
<i>10000kg</i>		Swivel	N/A
Branded with Tare Weight (kg)	N/A		
<i>0kg</i>			

## Frame and Cabin

Frame	OK	Control Cables / Pilot Hoses	OK
Counterweight Attachment - Security	OK	Heater	N/A
Counterweight Hazard Striping	REMEDIED	Air Conditioner	OK
Boom Mounting Lugs	OK	Gauges	OK
Boom Mounting Pins	REMEDIED	Anti-Two block Alarms	N/A
Lift Cylinder Lugs	OK	Horn	OK
Lift Cylinder Pins	OK	Access Steps	OK
Cab Glass and Mirrors	OK	Doors and Locks	OK
Sheet Metal / Guards	OK	Crane Level Indicator	OK
Seat and Assembly including Seat Belts	OK	Front Wiper	OK
Decals / Signs - In English	OK	Roof Wiper	N/A
Load Charts in English as per AS1418	OK	Windscreen Wiper / Washer	OK
Side Slope Deration Chart	REMEDIED	Switches and Relays	OK
Control Levers - Clearly Marked	OK	Rotating Beacon(s)	OK

## Drive Systems

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

## Chassis Inspection

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

## Hydraulic System

Hydraulic Reservoir & Oil Level	OK	Emergency Steering Pump	OK
Return Filters and Housing	OK	Steering Cylinder	OK
Suction Lines and Hoses	OK	Relief Valves	OK
Oil Cooler(s)	N/A	Flow Control Valves	REMEDIED
Main Pump(s)	OK	Pressure Filter and Housing	OK
Steering Pump	OK		

## ADDITIONAL ITEMS

Hoses **REMEDIED**

## Air Systems

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

## Electrical Systems

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

### ADDITIONAL ITEMS

Number plate light	REMEDIED
--------------------	----------

## Main Winch

Winch Condition & Oil Level	OK	Drum Turn Indicator	N/A
Leaks	OK	Wire Rope	OK
Rope Spooling	OK	Rope Anchor and Pin	OK
Winch Attachment, Pins / Bolts	OK	Correct Assembly and Connection of Hoist Rope Anchor	OK
Brake Operation	OK		

## Functional Tests - Main Winch

### Rated Capacity Indicator (RCI)

Load Chart Reference Number

MCC1087AA

Printed Chart - No Load

OK

	Printed Chart	RCI
Boom Angle, deg	30.00°	30.00°
Boom Length, m	10.00m	10.00m
Radius, m	6.61m	6.60m
Load, kg	3200kg	3100kg

### Rated Capacity Limiter (RCL)

Load Chart Reference Number

MCC1087A

Rated Load - Boom Fully Extended

OK

	RCI	Measured
Radius, m	5.30m	5.30m
Load, kg	3600kg	3510kg

Rated Load in Stability

OK

	RCI	Measured
Radius, m	5.30m	5.30m
Load, kg	3600kg	3510kg

Line Pull Test

OK

	RCI	Measured
Load, kg	2700kg	2700kg

Winch Brake Test

OK

	RCI	Measured
Load, kg	2700kg	2700kg

Overload Warning Lights and Alarms

OK

Rated Capacity Limiter Fitted (Overload Limiter)

OK

## Crack Inspection

No Cracks Detected

OK

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

## Manufacturer Additional

N/A

## Site Requirements

N/A

## Crane



Serial Number



Lower Hours



Kilometers



Model

## Assessment



Log Book



Maintenance Records





Description



Manufacturers Identification



Description



Manufacturers Identification



Description



Manufacturers Identification



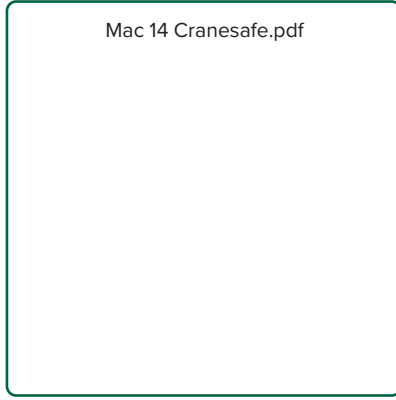
Retract Ropes / Chains



No. 3 Section



Lift Cylinder Pins

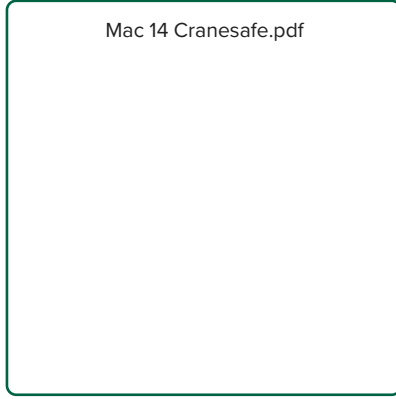


Mac 14 Cranesafe.pdf

Counterweight Hazard Striping



Boom Mounting Pins



Mac 14 Cranesafe.pdf

Side Slope Deration Chart



Transmission Noise / Leaks



*repaired*

Power Transmission Belts

## Chassis Inspection



Rear Wheels and Tyres



Articulation Joint  
No movement

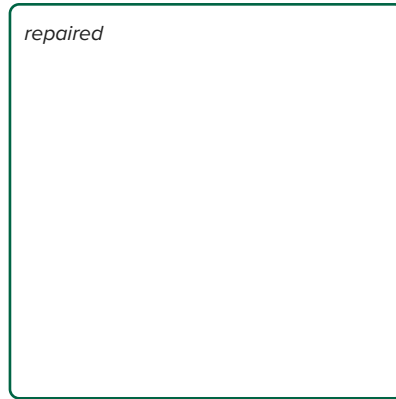


Front Wheels and Tyres

## Hydraulic System



Return Filters and Housing



Flow Control Valves



Additional

## Air Systems



**Gauges**

## Electrical Systems



**Battery Isolator**



**Clearance Lights**

Mac 14 Cranesafe.pdf

**Additional**



Brake Operation



Correct Assembly and Connection of Hoist Rope Anchor

Functional Tests - Main Winch



Load Chart Reference Number



Rated Load - Boom Fully Extended - Load Measured



Rated Load - Boom Fully Extended



Rated Load - Boom Fully Extended - Load RCI



Line Pull Test - Load Measured



Line Pull Test - Load RCI



Y - Y Measurement



Accreditation no. 19898

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## ARTICULATED MOBILE CRANE *Maintenance List*

<b>Company</b>	RedLine Mechanical Pty Ltd	<b>ABN</b>	68 070 729 983
<b>Address</b>	P O Box 3054 MIDLAND	<b>Representative</b>	Mr Michael Verhulst
<b>State</b>	WA	<b>Phone</b>	0450 695 239
<b>Postcode</b>	6056	<b>Email</b>	redlinemechanical@hotmail.com

<b>Make</b>	Franna
<b>Model</b>	4WD Mac 14
<b>Serial Number</b>	MC14015
<b>Plant Number</b>	MC14015
<b>Year of Manufacture</b>	1996
<b>Design Registration Number</b>	14/11/96
<b>Plant Registration</b>	WC19810
<b>Road Registration</b>	NOT ROAD
<b>REGISTERED Max. Load</b>	14000kg
<b>Number of Axles</b>	2
<b>Lower Hours</b>	12779
<b>Kilometers</b>	10313



<b>Assessed By</b>	Sean Chinnery	<b>Company</b>	Onsite Inspection and Training
<b>Reg. No.</b>	WA1083	<b>Address</b>	PO Box 383 WILLETTON
<b>Phone</b>	0408 502 735	<b>State</b>	WA
<b>Email</b>	seanonsite@amnet.net.au	<b>Postcode</b>	6955
<b>Country where assessed</b>	Australia	<b>State</b>	WA
<b>Crane Safety Manual</b>	No		

Accredited for compliance with ISO/IEC 17020

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20/11/2020

**Initial Inspection Date**  
**Maximum Period Allowed Before Re-**  
**assessment**  
**Conforms to Checklist**

**No**



**CRANE**

**ASSESSMENT**

- Operators Manual in English      OK
- Log Book                                      OK
- Maintenance Records                OK

**BOOM AND ATTACHMENTS**

Item

No. 3 Section

NOT OK -

Remedied By 

No. 3 Section  
Push bar is bent



**FRAME AND CABIN**

Item

Counterweight Hazard Striping




NOT OK - ✓

Boom Mounting Pins

NOT OK - ✓

Side Slope Deration Chart

NOT OK - Not in the crane ✓

Remedied By   
  


Counterweight Hazard Stripping  
Faded



Boom Mounting Pins  
Noisy when booming up



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**DRIVE SYSTEMS**

Item

Power Transmission Belts

NOT OK -

Remedied By



Power Transmission Belts ✓  
Alternator is loose

**CHASSIS INSPECTION**

Item

Front Wheels and Tyres

NOT OK -

Remedied By



Front Wheels and Tyres  
Low pressures

**HYDRAULIC SYSTEM**

**Item**

Flow Control Valves

NOT OK - ✓

Hoses

NOT OK - ✓

Remedied By



Flow Control Valves  
Oil leak from valve bank under cabin



Additional



**ELECTRICAL SYSTEMS**

Item	NOT OK -	✓
Clearance Lights	NOT OK -	✓
Number plate light	NOT OK -	✓

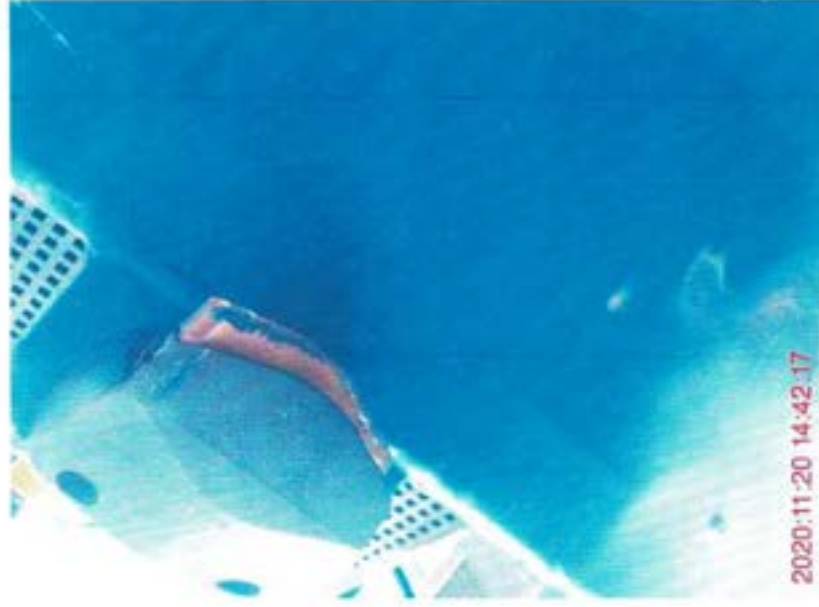
Remedied By




Clearance Lights



Additional



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<b>Plant Registration</b>	WC19810
<b>Road Registration</b>	NOT ROAD
<b>REGISTERED</b>	
<b>Max. Load</b>	14000kg
<b>Number of Axles</b>	2
<b>Lower Hours</b>	12779
<b>Kilometers</b>	10313



<b>Assessed By</b>	Sean Chinnery	<b>Company</b>	Onsite Inspection and Training
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20/11/2020

**Initial Inspection Date**  
**Maximum Period Allowed Before Re-**  
**assessment**  
**Conforms to Checklist**

**No**



**CRANE**

**ASSESSMENT**

- Operators Manual in English      OK
- Log Book                                      OK
- Maintenance Records                OK

**BOOM AND ATTACHMENTS**

Item

No. 3 Section

NOT OK -

Remedied By 

No. 3 Section  
Push bar is bent



**FRAME AND CABIN**

Item

Counterweight Hazard Striping




NOT OK - ✓

Boom Mounting Pins

NOT OK - ✓

Side Slope Deration Chart

NOT OK - Not in the crane ✓

Remedied By   
  




Boom Mounting Pins  
Noisy when booming up



**DRIVE SYSTEMS**

Item

Power Transmission Belts

NOT OK -

Remedied By



Power Transmission Belts ✓  
Alternator is loose

**CHASSIS INSPECTION**

Item

Front Wheels and Tyres

NOT OK -

Remedied By



Front Wheels and Tyres  
Low pressures

**HYDRAULIC SYSTEM**

**Item**

Flow Control Valves

NOT OK - ✓

Hoses

NOT OK - ✓

Remedied By



Flow Control Valves  
Oil leak from valve bank under cabin



Additional



**ELECTRICAL SYSTEMS**

Item	NOT OK -	✓
Clearance Lights	NOT OK -	✓
Number plate light	NOT OK -	✓

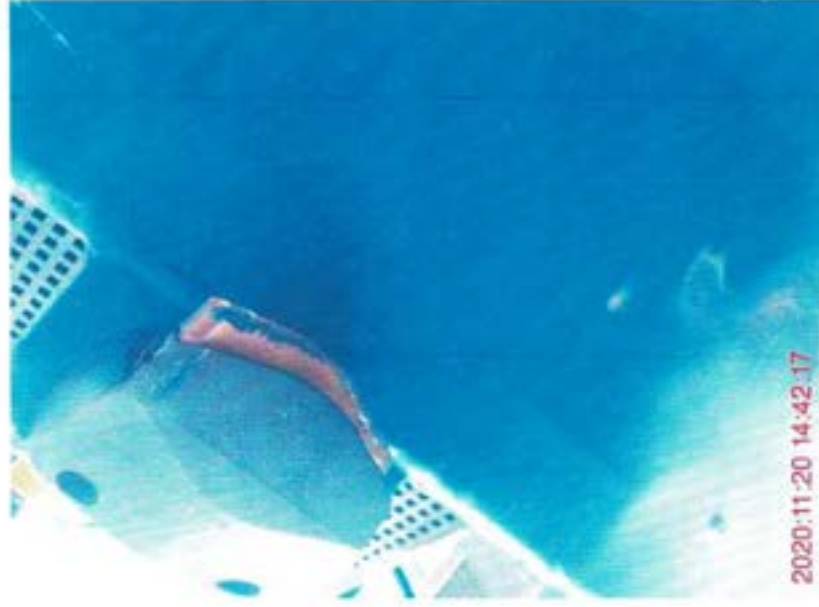
Remedied By




Clearance Lights



Additional



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20/11/2020

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**Maximum Period Allowed Before Re-**  
**assessment**  
**Conforms to Checklist**

**No**



**CRANE**

**ASSESSMENT**

- Operators Manual in English      OK
- Log Book                                      OK
- Maintenance Records                OK

**BOOM AND ATTACHMENTS**

Item

No. 3 Section

NOT OK -

Remedied By 

No. 3 Section  
Push bar is bent



**FRAME AND CABIN**

Item

Counterweight Hazard Striping




NOT OK - ✓

Boom Mounting Pins

NOT OK - ✓

Side Slope Deration Chart

NOT OK - Not in the crane ✓

Remedied By   
  




Boom Mounting Pins  
Noisy when booming up



### DRIVE SYSTEMS

Item

Power Transmission Belts

NOT OK -

Remedied By



Power Transmission Belts ✓  
Alternator is loose

### CHASSIS INSPECTION

Item

Front Wheels and Tyres

NOT OK -

Remedied By



Front Wheels and Tyres  
Low pressures

**HYDRAULIC SYSTEM**

**Item**

Flow Control Valves

NOT OK - ✓

Hoses

NOT OK - ✓

Remedied By



Flow Control Valves  
Oil leak from valve bank under cabin



Additional



**ELECTRICAL SYSTEMS**

Item	NOT OK -	✓
Clearance Lights	NOT OK -	✓
Number plate light	NOT OK -	✓

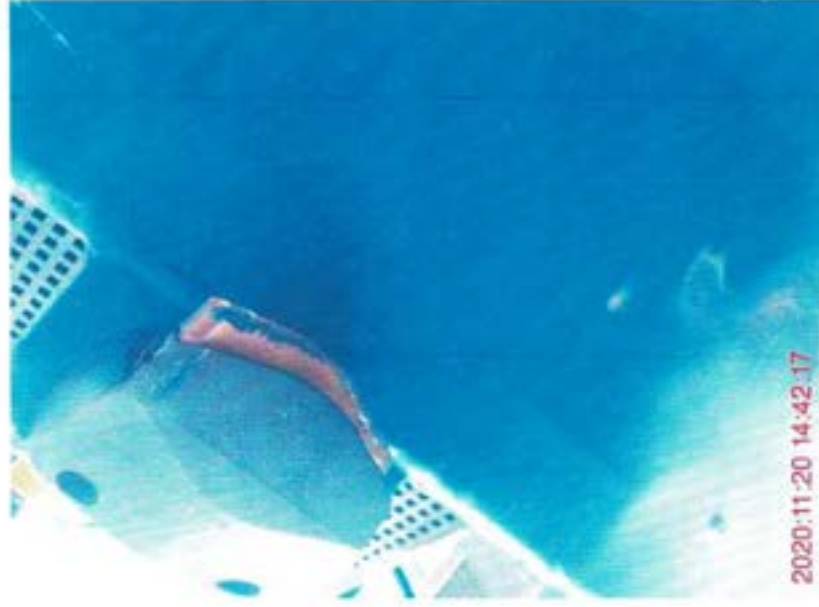
Remedied By



Clearance Lights



Additional



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## Wire Rope Certificate

Accreditation no. 19898

<b>Company Name:</b>	RedLine Mechanical Pty Ltd	<b>Crane Serial No.:</b>	MC14015
<b>Crane Make &amp; Model:</b>	Franna 4WD-MAC14	<b>Year of Manufacture:</b>	1996
<b>Length of Rope:</b>	60.00m	<b>Wire Rope Application:</b>	Main Hoist
<b>Rope Construction:</b>	35 × 7 non rotating	<b>Rope Termination (End 1):</b>	Swaged End Fitting
<b>Wire Finish:</b>	Uncoated	<b>Rope Termination (End 2):</b>	Wire Rope Clamps
<b>Direction of Rope Lay:</b>	Lang Right Hand Lay	<b>Rope Diameter:</b>	13.00mm
<b>Sheave Wear:</b>	Pass	<b>Minimum Diameter Wear:</b>	12.4mm



Position Inspected (approx. metres)		10	20	30	40	50	60	8
Number of Visible Wire Breaks (over a length of 6x the rope's dia) AS2759-2004 Clause 14.4		0	0	0	0	0	0	0
Degree of Damage and Deformation of Rope AS2759-2004 Clause 14.13		0	0	0	0	0	0	0
Abrasion of Outer Wires AS2759-2004 Clause 14.9	Degree of Deterioration	0	0	0	0	0	0	0
Corrosion AS2759-2004 Clause 14.8	Degree of Deterioration	0	0	0	0	0	0	0
Reduction of Rope Diameter AS2759-2004 Clause 14.9	Measurement (mm)	13.00	13.00	13.00	13.00	13.00	13.00	13.00
	Measurement 90° (mm)	13.00	13.00	13.00	13.00	13.00	13.00	13.00
Additional Comments								

*Degree of Deterioration:*

*1 = slight, 2 = medium, 3 = high, 4 = very high, 5 = discard*

At time of inspection, the rope measurements and construction was in accordance with the requirements of AS2759 - 2004 Section 13 and the operators manual supplied with the crane.

Date Inspected: 30/03/21  
Date Issued: 31/03/2021

Sean Chinnery  
CraneSafe Assessor No: WA1083



# Supporting Documents



Original Rope Certificate

Accredited for compliance with ISO/IEC 17020

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**Company Name:** RedLine Mechanical Pty Ltd  
**Crane Make & Model:** Franna 4WD-MAC14

**Crane Serial No.:** MC14015  
**Year of Manufacture:** 1996

<b>Item Inspected</b>		
<b>AS1418.5-2013 Annex K.1</b>		
<b>Fall Block</b>	MANUFACTURERS ID no.	BP11060996
	NOMINAL LIFTING LOAD	7500kg
	MASS	71kg
<b>AS1418.5-2013 Annex K.3</b>		
<b>Sheave</b>	NUMBER OF SHEAVES	1
	ROPE DIAMETER	13mm
	KIND OF MATERIAL	Metal
	GROOVE WEAR	<input checked="" type="checkbox"/>
	BRUISING	<input checked="" type="checkbox"/>
	ROTATING / BEARING	<input checked="" type="checkbox"/>
	CRACKS	<input checked="" type="checkbox"/>
	CHIPS	<input checked="" type="checkbox"/>



At time of Inspection, the hook block was in accordance with the requirements of AS1418 Part 5 2013 and the load charts supplied with the crane.

Date Inspected: 30/03/21  
Date Issued: 31/03/2021

Sean Chinnery  
CraneSafe Assessor No: WA1083





## Hook Block Certificate

Accreditation no. 19898

**Company Name:** RedLine Mechanical Pty Ltd  
**Crane Make & Model:** Franna 4WD-MAC14

**Crane Serial No.:** MC14015  
**Year of Manufacture:** 1996

<b>Item Inspected</b>		
<b>AS1418.5-2013 Annex K.1</b>		
<b>Hook Block</b>	MANUFACTURERS ID no.	CCE 2071
	FORM OF HOOK	Single
	NOMINAL LIFTING LOAD	15000kg
	MASS	0kg
<b>AS1418.5-2013 Annex K.2</b>		
<b>Lifting Hook</b>	WEAR	<input checked="" type="checkbox"/>
	CRACKS	<input checked="" type="checkbox"/>
	DEFORMATION	<input checked="" type="checkbox"/>
	SAFETY LATCH	<input checked="" type="checkbox"/>
	SWIVEL	<input checked="" type="checkbox"/>
	BEARING	<input checked="" type="checkbox"/>
	HOOK BRUISING	<input checked="" type="checkbox"/>
	Y - Y MEASUREMENT	100mm
<b>AS1418.5-2013 Clause 4.2.13</b>		



At time of Inspection, the hook block was in accordance with the requirements of AS1418 Part 5 2013 and the load charts supplied with the crane.

Date Inspected: 30/03/21  
Date Issued: 31/03/2021

Sean Chinnery  
CraneSafe Assessor No: WA1083





Accreditation no. 19898

**Certificate No: WA153036**

**CraneSafe®**

**CERTIFICATE OF ANNUAL INSPECTION AND TESTING**

**Articulated Mobile Crane**

**Inspection Date:** 30/03/21

**Renewal Date:** 30/03/2022

**Issued Date:** 31/03/2021

**Location of Inspection:** Redline mechanical

**Crane Owner:** RedLine Mechanical Pty Ltd

**Address:** PO BOX 3054 MIDLAND, 6056, WA, Australia

**Crane Make:** Franna

**Crane Model:** 4WD-MAC14

**Crane Serial Number:** MC14015

**YOM:** 1996

**Hours:** 12779



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

Codes of Practice  Manufacturer's Instructions.

**Inspection Comments:**

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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:** Sean Chinnery

**CraneSafe Assessor No.:** WA1083

**CraneSafe Assessment No:** AC A 153036-11

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

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Certificate No: WA153036



Accreditation no. 19898

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

**Annual Inspection Date:** 31/03/2021

**Crane Owner:** RedLine Mechanical Pty Ltd

**Address:** PO BOX 3054 MIDLAND, 6056, WA, Australia

**Crane Make:** Franna

**Crane Model:** 4WD-MAC14

**Crane Serial Number:** MC14015

**YOM:** 1996 **Hours:** 12779

**Rated Capacity Indicator (RCI)**

**Load Chart Reference Number**

MCC1087AA

**Printed Chart - No Load**

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	30.00	30.00
Boom Length, m	10.00	10.00
Radius, m	6.61	6.60
Load, kg	3,200.00	3,100.00

**Rated Capacity Limiter (RCL)**

**Load Chart Reference Number**

MCC1087A

**Rated Load - Boom Fully Extended**

**Rated Load in Stability**

	Rated Capacity Indicator	Measured
Radius, m	5.30	5.30
Load, kg	3,600.00	3,510.00

	Rated Capacity Indicator	Measured
Radius, m	5.30	5.30
Load, kg	3,600.00	3,510.00

**Line Pull Test**

	Rated Capacity Indicator	Measured
Load, kg	2,700.00	2,700.00

**Winch Brake Test**

	Rated Capacity Indicator	Measured
Load, kg	2,700.00	2,700.00

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:** Sean Chinnery

**CraneSafe Assessor No.:** WA1083

**CraneSafe Assessment No.:** AC A 153036-11

**Issued Date.:** 31/03/2021

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

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## SUPPORTING INFORMATION

**10 YEAR ASSESMENT**  
**REPAIR INSPECTION REPORT**  
**ARTICULATE MOBILE CRANE**

REPORT No AML – 42984-16

**Section 1.0 Crane Particulars****Owner:** Cvmec**Location:** Perth Workshop**Contact:** Mark Cockshott**Plant ID:** CR4**Make:** Terex**Model:** MAC 14**Year of Manufacture:** 1996**Machine Hours:** 12066**Worksafe No:** WC19810**Serial No:** 14015**Design Code:****Max SWL:** 14t**Machine Kms:** 10313**Section 1.1 Paperwork & Accurate Records****Operators Manual:** Located in Cab**Log Book:** Located in Cab**Last Entry:****Service Repair History:****Inspections History:** 14/07/2016

*The following inspection was carried out under the guidelines on AS1418/ 2550 and CICA Major Inspection Guidelines.*

**Inspection Date:** 14/07/2016**Repair Date:** 14/07/2016**INSPECTOR SIGNATURE:** \_\_\_\_\_**DATE:** 14/7/16**CUSTOMER SIGNATURE:** \_\_\_\_\_**DATE:****10 YEAR INSPECTION REPORT**

**Section 1.2 Appearance & Damage**

**General Appearance:**

Machine in good condition

**Damage:**

**Section 1.3 Engine**

	Satisfactory	Unsatisfactory	N/A	Notes:
Oil Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Changed
Oil Pressure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Exhaust System	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Exhaust Smoke	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Air Intake System	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Engine Mountings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Radiator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Radiator cap replaced
Radiator Mounts/ Guards/ Hoses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Correct Coolant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Engine Fan/ Mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
V Belt	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Fuel Line/ Security	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Engine Breather	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Fuel Tank	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Throttle Linkages	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Exhaust Brake	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Loose/ Broken Bolts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Unusual Noises	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

Engine oil and filters changed , engine front crankshaft seal replaced , Radiator removed and flush and cleaned , replace exhaust flex

**Section 1.4 Transmission**

	Satisfactory	Unsatisfactory	N/A	Notes:
Oil Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- see notes
Oil Pressure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Oil Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Oil Cooler	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Hoses/ Security	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Play in shift mechanism	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Clutch & Operation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
Shift/ Kick Down	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Stall Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Cables & Controls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Mountings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Shift Inhibitors	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-

Torque Converter Operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Transfer case (T/C) Oil Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
T/C Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
T/C Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
T/C Cooler/ Hoses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
T/C Bearing Movement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
T/C Mountings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Unusual Noises	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

Oil and filter changed

### Section 1.5 Driveline/ Differentials

	Satisfactory	Unsatisfactory	N/A	Notes:
Uni-Joints	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Centre Bearing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Movement in splines	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Propeller shaft run out	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Differential Oil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- changed
Oil Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Backlash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Loose/ Broken Bolts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Unusual Noises	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

Wheel bearings replaced and hub seals replaced , axle quills NDT as per attached report 16P14008/003, rear drive shaft universal joint replaced , reseal rear diff pinion seal , diff oils changed

### Section 1.6 Steering Group

	Satisfactory	Unsatisfactory	N/A	Notes:
Steering Wheel Play/ Backlash	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Steering Wheel Operation/Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Turning Force	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Orbital Oil Leak	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Orbital Mounting End Play	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Oil leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Hose Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- changed as required
Joint Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Correct Pressures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Priority Valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Steering Cylinder Oil Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Steering Cylinder Mountings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Emergency Steer Function	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Operation repaired
Steering Lock/ Stops	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Function Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				



Steer pins and bearings inspected all with in spec ,Steering pressure checked , relief pressure reset , emergency steer pressure switch replaced , reset main block relief

**Section 1.7 Brake Systems**

	Satisfactory	Unsatisfactory	N/A	Notes:
Brake Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Park Brake Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Air Leakage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Treadle Valve Function	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Control Valve Function	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Dump Valve Function	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Low Air Alarms	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Mounting Booster/ Function	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Compressor Cycle Time	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- checked with in spec
Pressure Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Brake Shoes/ Pads	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Brake Drums/ Disks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- see notes
Hose/ Mounting Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Emergency Brake Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

Brake drums and shoes visual inspection , all with in spec , emergency brake knob replaced

**Section 1.8 Wheel Group**

	Satisfactory	Unsatisfactory	N/A	Notes:
Tyre Pressure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- see notes
Tyre Crack/ Pressure	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Tyre Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- see notes
Loose/ Broken Bolts/ Studs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Wheel Spacers	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Spare Tyre	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Tyre Ratings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

4 x front tyres replaced , all wheel spacers replaced

**Section 1.9 Suspension Group**

	Satisfactory	Unsatisfactory	N/A	Notes:
Leaf Spring Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Misalignment among leaves	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Looseness/ Damage to Harness	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Torque Arm Bush Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Spring Lock Out Condition	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
Spring Lock Out Switching	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
Spring Lock Out Cylinder Leaks	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
4WD Operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Axle Lock Operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

**Section 2.0 Hydraulic Group**

	Satisfactory	Unsatisfactory	N/A	Notes:
Oil Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Oil Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Hydraulic Tank Mounting/ Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Hydraulic Tank Sight Glass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Filter/ Housing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Pressure Hoses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Return Hoses	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Hydraulic Pump Condition/ Mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Steer Pump Condition/ Mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Emergency Steer Motor/ Mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Hydraulic Oil Cooler	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Pump Flow Efficiency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Control Valve Condition/ Mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Control Lever Operation/ Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Correct Pressures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Dash Gauge Operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

Hydraulic pump flow test completed as per Report C5326 , Efficiency 92.8 % , reseal hydraulic tank filter housing ,

**Section 2.1 Frame/ Panel Group**

	Satisfactory	Unsatisfactory	N/A	Notes:
Centre Pivot Movement	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Door Seals	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Door Locks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Panel Rust	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Panel Damage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

Centre pivot measured with in spec, .012mm, Safety decals replaced as required carrier NDT as per Report 16P14008/002

## Section 2.2 Boom Group

	Satisfactory	Unsatisfactory	N/A	Notes:
Base Section	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
No. 1 Section	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
No. 2 Section	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
No. 3 Section	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
No. 4 Section	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	- N/A
Lift Cylinder Pivot Pins/Bushes	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Inspected
Hose Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Changed as required
Lift Cylinder Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Rear boom Pivots	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Pins and bearings replaced
Lock Valve Operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Over centre valves replaced
Wear Pad Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- with in spec, reshim
Wear Pad Lubrication	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Regreased on assembly
Telescopic Cylinder Mountings	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Telescopic Cylinder Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Telescopic Cylinder Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Resealed
Telescopic Cylinder Counterbalance Valve	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Rear Guide Sheave	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Rear Guide Motor	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Length Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Recalibrate 3B6
Angle Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Recalibrate 3B6
Guide Sheaves	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Head Sheaves	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Winch Rope Roller/ Guide	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Extend/ Retract Rope Sheaves	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Boom Extension/ Retraction Ropes:				
a) Breakage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
b) Wear	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
c) Kinks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
d) Corrosion	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
e) Lubrication	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
f) Adjustment	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- see notes
Comments:				

NDT completed as per report 16P14008/001, Boom Survey as per report CR0386, 3B6 Recalibrated, motion cut system installed, transducers replaced, new decal install on manual for pin location holes, compensator sheave boss replaced NDT as per report 16P14057/001, deflector shave replaced, retract rope replaced cert attached D8961, retract sheave bearings replaced, extension ropes replaced, as per cert D8630, Manual push bar replaced, lower boom roller on head section replaced, hook pin replaced, Winch mounts replaced NDT as per report 16P14008/004, Hook Block recertified as per attached BP11060995.2, Hook recertified as per report BP11060995.1, Rhino Rectified BV111060995.3,

## Section 2.3 Winch Group

	Satisfactory	Unsatisfactory	N/A	Notes:
Hose/ Fitting Security	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Replaced
Hose/ Fitting Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Winch Mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Oil Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Changed
Oil Leaks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Brake Function	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- New
Brake Efficiency	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- New
Drum Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Rope Anchors/ Points	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Hook Block	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Hook Rotation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Hook Deformation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Rope Guards	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Sheave Condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Manufacturer Identification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Branded SWL/ Tare Weights	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Winch Rope:				
a) Correct Diameter	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Replaced
b) Deformation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
c) Wear	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
d) Kinks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
e) Broken Wires	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
f) Bull Dog Grips	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
g) Eyelet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
h) Lubrication	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
i) Correct Length	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

Winch assembly replaced see attached serial number , winch rope replaced asper certificate

## Section 2.4 Electrical

	Satisfactory	Unsatisfactory	N/A	Notes:
Battery Box	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Battery Security	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Battery Isolator/ Lock Out	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Repaired as required
Hazard Lights	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Reverse Alarm	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Reverse Light/s	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Switches/ Relays	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Horn	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Dash Gauges	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- replaced globes
Neutral Start Operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Interior Light	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Warning Light	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Harness Condition/ Security	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-

Air Conditioner Operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- Serviced
Compressor Condition/ Mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Condenser Condition/ Mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Evaporator Condition/ Mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Hose/ Fitting Security	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Heater Operation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	- cable reconnected
Core Condition/ Mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Heater Hose Condition/ Mounting	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

Air con compressor replaced, system pressure tested and receiver dryer replaced, condenser replaced, system re gassed and tested operation .Brake pressure switch replaced, Beacon replaced , replace headlight switch , replace indicator alarm , repair wiring in battery box

**Section 2.5 Crack Inspection**

NDT Test carried out to 10% on high stress areas as per attached report. If faults have been identified the repair procedure will be carried out as per AS 1554.5

Comments:

As per reports attached

**Section 2.6 Safety Documentation**

	Satisfactory	Unsatisfactory	N/A	Notes:
Load Chart to AS 1418.5	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Anti Two Block Warning & Operation	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-
Bubble Level Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Slew Angle Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Load Indicator	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Electrical Hazard Decal	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Log Book Current/ Updated Regularly	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Decal Security/ Non Wearing	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

Crane Safe inspection carried out as per Report AC A 067128-2

**Section 2.7 Operational Testing**

	Satisfactory	Unsatisfactory	N/A	Notes:
Winch Hoisting/ Lowering	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Boom Raising/ Lowering	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Boom Telescoping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Slewing Under Load	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Road Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Lights/ Indicators	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Rated Load at Full Extension	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Rated Load Stability	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Line Pull Test at 110%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Winch Brake Test	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Overall Performance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-
Comments:				

All systems tested and operated, full 110% SWL structural, stability and line pull tests completed

**Overall Additional Comments:**

- Machine has had a full major 10 year mechanical inspection completed, all main systems were tested, repaired and replaced as required, this machine is considered safe for use and complies to AS1418/2550

# INSPECTION CERTIFICATE

## 10 YEAR MAJOR INSPECTION


CLIENT CIVMEC  
CONTACT MARK COCKSHOTT  
INSPECTOR ANTHONY GROSSER  
TEST LOCATION PERTH WORKSHOP

Plant Number		Road Registration	NA
Plant Registration	WC19810	Serial Number	14015
Make	Terex Franna	Model	MAC14
Year of Manufacture	1996		
Axles	2	Maximum Load (Tonne)	14t
Hours	12066 hrs	Kilometres	10313 km

CraneSafe Report Number AC A 067128-2 *Refer to attached report*

Inspection Date July 16

THIS MACHINE HAS COMPLETED ITS STATUTORY INSPECTION REQUIREMENTS AND AT THE TIME OF INSPECTION WAS FOUND TO BE IN A SAFE WORKING CONDITION AND COMPLIES WITH AS1418/ AS2550 MAJOR INSPECTION GUIDELINES AND INDUSTRY STANDARDS.

ANTHONY GROSSER : 

MACHINE IS CONSIDERED SAFE FOR USE AT THE TIME OF INSPECTION AND IS TO BE OPERATED AS PER THE MANUFACTURERS SPECIFICATIONS.



## EVIDENCE OF PLANT REGISTRATION

The item of the plant described below has been registered to: Plant Registration Number

CIVMEC CONSTRUCTION & ENG. PTY LTD  
PO BOX 202  
BELMONT WA 6104

WC19810

Date Registered

14/11/96

### LOCATION OF PLANT

ITINERANT FROM 85 ABERNETHY ROAD, BELMONT WA 6104

### DESCRIPTION OF PLANT

FRANNA MOBILE CRANE MODEL MAC14

CAPACITY

14 TONNES

HAZARD LEVEL

(as per AS3920.1)

N/A

and pursuant to Regulation 4.17 of the *Occupational Safety and Health Regulations 1996*, is subject to compliance with the following conditions :

LIFT AND CARRY LOADS AS PER MANUFACTURERS LOAD CHART  
MCC1087A MAXIMUM SAFE WORKING LOAD 14.0 TONNES.  
INCLUDING OPERATING INSTRUCTIONS PAGES 1 - 13

Issued by the WorkSafe Western Australia Commissioner

This Evidence shall be exhibited in a conspicuous place on or near the Plant.

This Registration remains valid until :

1. There is a change to the plant such that it no longer complies with the registered design;
2. For normally fixed plant, there is a change in location; or
3. There is a change of ownership of the plant.

It is the responsibility of the owner to ensure that the plant is inspected and that documents / records are kept in accordance with the requirements of the *Occupational Safety and Health Regulations 1996*.

(crane/evida)







# INSPECTION CERTIFICATE

## ANNUAL STATUTORY INSPECTION

**CLIENT CONTACT** CIVMEC CONSTRUCTION & ENGINEERING  
MARK COCKSHOTT

**INSPECTOR** ROB CLARKE WA1073

**TEST LOCATION** MADDINGTON J.W.A

### MACHINE SPECIFIC DETAILS

Plant Number	CR4	Road Registration	036-KK1
Plant Registration	WC 19810	Serial Number	MC14015
Make	Franna	Model	4WD MAC 14
Year of Manufacture	1996		
Axles	2	Maximum Capacity (Kg)	14,000Kg
Hours	12066	Km	10313
Australian Design Compliance (If Applicable)	Q15419		


### INSPECTION SPECIFIC DETAILS

**Report Number** ACa 067128-2 *Refer to attached report*

**Inspection Date** 14<sup>th</sup> July 2016

**Re-inspection Date** 13<sup>th</sup> July 2017

THIS MACHINE HAS COMPLETED ITS STATUTORY INSPECTION REQUIREMENTS AND AT THE TIME OF INSPECTION WAS FOUND TO BE IN A SAFE WORKING CONDITION AND COMPLIES WITH AS1418/ AS2550 REQUIREMENTS.

**ROB CLARKE:**  **WA1073**  
SIGNED ON BEHALF OF EQUIPMENT LOGISTICS & CONSULTANCY PTY LTD

MACHINE IS CONSIDERED SAFE FOR USE AT THE TIME OF INSPECTION AND IS TO BE OPERATED AS PER THE MANUFACTURERS SPECIFICATIONS.