



ARTICULATED MOBILE CRANE

Annual Report

AC A 193053-14.2



CraneSafe®

Div of The Crane Industry Council of Australia
ABN 73 002 565 773

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Initial Inspection Date: 28/08/2024

Reassessment Date: 23/11/2024

Conforms to Checklist: Yes

Issued Date: 28/11/2024

Next Inspection Date: 23/11/2025

INSPECTED FOR

REPRESENTATIVE



Franna MAC 25

LOWER HOURS
25269

KILOMETERS
52

YOM
2006

SERIAL NUMBER
25180

PLANT NUMBER
CRX0962T

MAX LOAD
25000 KG

NUMBER OF AXLES
2

DESIGN REGISTRATION NO.
SD01148-1

PLANT REGISTRATION NO.
N/A

ROAD REGISTRATION
XV68HZ

Assessed By

Name Shayne Tronconi
Phone 0416 165 650
Company SLT Crane & Equipment

Reg No. VIC1120
Email shayne@sltcrane.com
Address PO Box 5795 WANTIRNA SOUTH VIC 3152

Assessment

Country Where Assessed	Australia	State	VIC
Operators Manual in English	OK	Log Book	OK
Maintenance Records	OK	Crane Safety Manual	No
Major Inspection Report Sighted	No		

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. This report is confirmation that the crane has undergone a visual inspection on the date(s) stated and meets the standards of the CraneSafe assessment program at the time of inspection. The CraneSafe annual inspection is in addition to and does not replace pre-operation and routine inspections, maintenance and repairs necessary to comply with work, health and safety laws and requirements. In no event shall either CraneSafe or CraneSafe Endorsed Assessors be liable for any direct, indirect, punitive, incidental, special or consequential damages, including but not limited to loss of income, revenue, opportunity, goodwill, profit, anticipated saving or value of equipment arising out of or in any way connected with the use of the services, whether based on contract, tort, strict liability or otherwise, even if advised of the possibility of any such damages. This report is provided solely for the benefit of the Company named on its face. No other person is entitled to rely on anything contained in this Report and must make and rely solely on their own inspection and assessment in all respects and for all purposes.

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Actions Required

Please ensure to maintain machine as per manufacturer’s recommendations. Please refer to this report for any items marked as “monitor”. These items will require further monitoring of their condition.

Boom and Attachments

Base Section	OK	Lock Valve(s)	OK
No. 1 Section	OK	Extension Cylinders	OK
No. 2 Section	OK	Lock Valve(s)	OK
No. 3 Section	OK	Extend Ropes / Chains	OK
No. 4 Section	N/A	Retract Ropes / Chains	OK
Length Markings	N/A	Boom Length Recoil Drum(s)	OK
Rope Compensation System	OK	Boom Angle Indicator	OK
Hook Lift Lugs and Tonnage Decals	OK	Extension / Fly Jib	N/A
Head Sheaves and bearings	OK	Extension Sheaves and Bearings	N/A
Idler Sheave and Bearing	REMEDIED	Boom Hazard Striping	OK
Please see attached pictures		Rotating Beacon(s)	OK
Rooster Sheave and Bearing	N/A	Main Hoist Rope Socket and Pins	OK
Extension / Fly Jib Mounts	OK	Correct Assembly and Connection of	OK
Machinery Hook	OK	Hoist Rope Socket	
Boom Lift Cylinders	OK		

ANTI-TWO BLOCKS

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

HOOK BLOCKS - WITH CRANE			
Description	Main Fall Block	Manufacturer's Identification	OK
		25180	
Branded WLL (kg)	OK	Safety Latches	
25000kg		Sheaves and Bearings	
		3	
Swivel	N/A	Branded WLL (t)	
		25000t	
Branded with Tare Weight (kg)	OK		
280kg			
HOOK BLOCKS - WITH CRANE No. 3			
Description	Rhino Hook	Manufacturer's Identification	OK
		L7012	
Branded WLL (kg)	OK	Safety Latches	OK
15000kg		Sheaves and Bearings	
Swivel	N/A	Hook Shank Retainer	N/A
Branded with Tare Weight (kg)	OK		
25kg			
HOOK BLOCKS - WITH CRANE No. 4			
Description	25t Swivel Hook	Manufacturer's Identification	OK
		BBT 03295	
Branded WLL (kg)	OK	Safety Latches	REMEDIED
25000kg		Please see attached pictures	
Swivel		Hook Shank Retainer	OK
Branded with Tare Weight (kg)	N/A		
kg			

Frame and Cabin

Frame	OK	Side Slope Deration Chart	OK
Counterweight Attachment - Security	OK	Electronic	
Counterweight Hazard Striping	OK	Control Levers - Clearly Marked	OK
80km/h Maximum Speed Sign (mounted on rear of crane)	OK	Control Cables / Pilot Hoses	OK
No 80 Km/h maximum speed limit sign fitted. Suggest fitting by next inspection.		Heater	OK
Boom Mounting Lugs	OK	Air Conditioner	OK
Boom Mounting Pins	OK	Gauges	OK
Lift Cylinder Lugs	OK	Anti-Two block Alarms	OK
Lift Cylinder Pins	OK	Horn	OK
Cab Glass and Mirrors	OK	Access Steps	OK
Sheet Metal / Guards	OK	Doors and Locks	OK
Seat and Assembly including Seat Belts	OK	Crane Level Indicator	OK
Decals / Signs - In English	OK	Front Wiper	OK
80km/h Maximum Speed Sticker (mounted in cab of crane)	OK	Roof Wiper	N/A
No 80 Km/h maximum speed limit sign fitted. Suggest fitting by next inspection.		Windscreen Wiper / Washer	OK
Load Charts in English as per AS1418	OK		

Drive Systems

Radiator & Coolant level	OK	Engine Mounts	OK
Water Temperature Gauge	OK	Power Transmission Belts	OK
Radiator Hoses / Heater Hoses	OK	Exhaust Brake	OK
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
Unable to ascertain oil level due to no sight gauge present. Please see service reports and daily check records.		Drive Coupling	OK
Water Pump and Conditioner	OK	No Transmission Noise / Leaks Present	OK
Oil Cooler(s)	N/A	Filter and Housing	OK
Fuel Lines	OK	Pump Drives (PTO)	OK
Throttle	OK		

Chassis Inspection

Frames	OK	Rear Brake(s)	OK
Suspension System	OK	Holding / Parking Brake	OK
Axle Lock Outs (if fitted)	OK	Emergency Brake Release	OK
Steering Components - Lugs / Pins etc	OK	Front Wheels and Tyres	REMEDIED
Front Axle(s)	OK	Please see attached pictures	
Rear Axle(s)	OK	Rear Wheels and Tyres	REMEDIED
Differentials / Planetary Drives	OK	Please see attached pictures	
Transfer Case	OK	Spare Wheel	N/A
Drive Lines	OK	Engine Cows	OK
ABS Brakes	N/A	Articulation Joint	OK
Front Brake(s)	OK	.17mm measured as per Terex procedure. Allowable limit is .1mm. Suggest tightening articulation at next service.	
		Tackle Boxes	OK
		Fire Extinguisher	OK
		Please see attached pictures	

Hydraulic System

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

Air Systems

Compressor	OK	Brake Valves	OK
Air Reservoirs	OK	Air Cylinders	OK
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	OK
Head Lights	OK	Rotating Beacon(s)	OK
Tail Lights	OK	Switches and Relays	OK
Stop Lights	OK	Please see attached picture.	
Directional Indicators	REMEDIED	Back-up Alarm	OK
Please see attached pictures		Horn for Road Travel	OK

Main Winch

Winch Condition & Oil Level	OK	Brake Operation	OK
Unable to ascertain oil level due to no sight gauge present. Please see service reports and daily check records.		Drum Turn Indicator	OK
No Leaks Present	OK	Wire Rope	OK
Rope Spooling	OK	Please see attached pictures.	
Winch Attachment, Pins / Bolts	OK	Correct Assembly and Connection of	OK
		Hoist Rope Anchor	

Functional Tests - Main Winch

Rated Capacity Indicator (RCI)

Load Chart Reference Number

201

Printed Chart - No Load

OK

If RCI & Printed Load Charts are confirmed, RCI to be used for Load Testing

	Printed Chart	RCI
Boom Angle, deg	N/A°	N/A°
Boom Length, m	18.42m	18.40m
Radius, m	12.00m	12.00m
Load, kg	2800kg	2800kg

Rated Capacity Limiter (RCL)

Load Chart Reference Number

201

Rated Load - Boom Fully Extended

OK

Rated Load in Stability

OK

Line Pull Test

OK

Winch Brake Test

OK

Overload Warning Lights and Alarms

OK

Rated Capacity Limiter Fitted (Overload Limiter)

OK

	RCI	Measured
Radius, m	13.90m	13.90m
Load, kg	2300kg	2034kg

	RCI	Measured
Radius, m	13.90m	13.90m
Load, kg	2300kg	2034kg

	RCI	Measured
Load, kg	4200kg	4300kg

	RCI	Measured
Load, kg	4200kg	4300kg

Crack Inspection

No Cracks Detected

REMEDIED

No NDT Reports supplied.

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

Manufacturer Additional

N/A

Site Requirements

N/A

Crane



Serial Number



Model



Lower Hours at last inspection:
24936



Kilometers at last inspection:
14174



Log Book



Maintenance Records



Maintenance Records



Maintenance Records



Maintenance Records

Boom and Attachments



Boom Lift Cylinders



Base Section



Boom Lift Cylinders



Boom Hazard Striping



Correct Assembly and Connection of Hoist Rope Socket



Correct Assembly and Connection of Hoist Rope Socket



Correct Assembly and Connection of Hoist Rope Socket



Description



Manufacturer's Identification



Description



Manufacturer's Identification



Description



Manufacturer's Identification



Hook Shank Retainer



Lock Valve(s)



Extension Cylinders



Retract Ropes / Chains



Retract Ropes / Chains



Extension Cylinders



Extend Ropes / Chains



Idler Sheave and Bearing



No. 1 Section



Retract Ropes / Chains



Rope Compensation System



Idler Sheave and Bearing



No. 2 Section



No. 3 Section



Head Sheaves and bearings



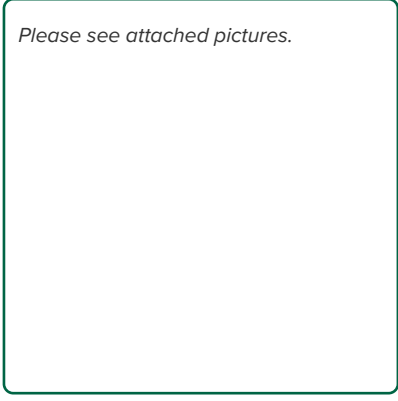
Idler Sheave and Bearing



Idler Sheave and Bearing



Idler Sheave and Bearing



Lock Valve(s)



Safety Latches



Safety Latches

Frame and Cabin



Counterweight Attachment - Security



Counterweight Attachment - Security



Counterweight Attachment - Security



Counterweight Attachment - Security



Counterweight Attachment - Security



Counterweight Hazard Striping



Frame



Frame



Boom Mounting Pins



Lift Cylinder Pins



Cab Glass and Mirrors



Seat and Assembly including
Seat Belts



Load Charts in English as per
AS1418



Lift Cylinder Lugs



Lift Cylinder Lugs



Lift Cylinder Lugs



Crane Level Indicator

Drive Systems



Radiator & Coolant level



Fan Guard



Fuel Lines



Exhaust Brake



Fan / Fan Shaft Assembly



No Transmission Noise / Leaks Present



Power Transmission Belts



Muffler / Spark Arrestor



Drive Coupling



Drive Coupling

Chassis Inspection



Transfer Case



Front Wheels and Tyres



Front Wheels and Tyres



Rear Wheels and Tyres



Rear Wheels and Tyres



Steering Components - Lugs / Pins etc



Articulation Joint
.17mm measured as per Terex procedure. Allowable limit is .1mm. Suggest tightening articulation at next service.



Articulation Joint
.17mm measured as per Terex procedure. Allowable limit is .1mm. Suggest tightening articulation at next service.



Rear Wheels and Tyres



Rear Wheels and Tyres



Rear Wheels and Tyres



Rear Wheels and Tyres



Front Wheels and Tyres



Front Wheels and Tyres



Front Wheels and Tyres



Front Wheels and Tyres



Flow Control Valves



Steering Cylinder



Steering Cylinder



Steering Pump



Hydraulic Reservoir & Oil Level



Hydraulic Reservoir & Oil Level



Emergency Steering Pump



Main Pump(s)



Air Cylinders



Brake Chambers



Brake Chambers



Battery Box



Head Lights



Clearance Lights



Clearance Lights



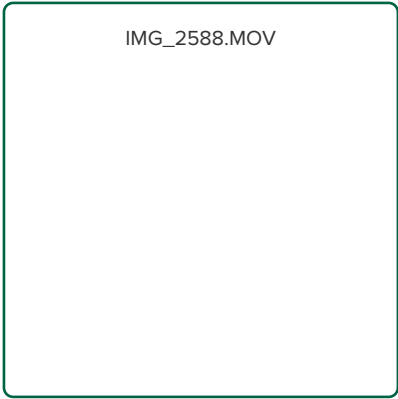
Hazard Lights



Switches and Relays



Stop Lights



Directional Indicators

Main Winch



Winch Condition & Oil Level



Rope Spooling



Winch Attachment, Pins / Bolts



Winch Attachment, Pins / Bolts



Wire Rope



Wire Rope



Wire Rope



Wire Rope



Drum Turn Indicator



Correct Assembly and
Connection of Hoist Rope
Anchor



Wire Rope



Wire Rope



Wire Rope



Wire Rope



Wire Rope



Wire Rope



Wire Rope



Wire Rope



Wire Rope



Wire Rope



Wire Rope



Load Chart Reference Number



Line Pull Test



Load



Load



Rated Load - Boom Fully
Extended



Load



Load

Crack Inspection

24-J294.pdf

No Cracks Detected









TEST INSPECTION REPORT



Client:		Report No:	24-J294
Address:		Inspection Date:	01/10/2024
		Test Site:	

Equipment Details			
Manufacturer:	Terex Franna	Model:	MAC 25
Vehicle Registration:	XV 68HZ	Serial No:	25180
Manufacture Date:	2006	Unit No:	CRX0962T

1. FINDINGS SUMMARY

NDT crack testing was performed on the equipment listed above using eddy current testing in accordance with The Crane Industry Council of Australia's Guide to Major Inspections.

No cracks or other reportable discontinuities were detected.

Authorised by:

Luke Machell
AINDT/ISO 9712
UT, ET, RT, MT, PT Level 2



01 November 2024

2. LOCATIONS INSPECTED

An eddy current testing inspection was performed in accordance with ISO 17643-2015 to detect surface breaking cracks on the following locations;

100% of accessible;

- Boom collar, sheave mount, stiffener & pinning hole welds
- Boom pivot mount welds
- Luffing cylinder welds and mount welds
- Turret welds
- Winch mount welds
- Telescoping cylinder mount welds
- Steering cylinder welds and mount welds
- Steering articulation welds
- Front & rear counterweight lugs
- Lifting/tiedown/towing lug welds
- 25t hook internal radius, S/N: BBT03295
- Small hook internal radius, S/N: None evident
- Rhino hook mount welds & inner radius, S/N: PLMXF8915 BBT08601
- Sheave block, welds and around pinning holes, S/N: 25180
- Spreader bar welds, S/N: 1500083

3. RESULTS

No cracks or other reportable discontinuities were detected.

4. INSPECTION DETAILS

Eddy Current Test Settings				
Test Standard:	AS ISO 17643-2020	Equipment:	IWel-001 #508451/02	
Acceptance Spec:	Nil cracks	Calibration:	28/01/2024	
Procedure No:	ET-01	Probe Serial #:	W02845	922898
Material:	Carbon steel	Probe Type:	Orth	Abs
Material Thickness:	Not Specified	Frequency:	100 kHz	50 kHz
Surface Prep:	Cleaned	Gain:	50 dB	19 dB
Coating Type, Thick:	Non-conductive, <0.5mm	Phase Angle:	182°	95°
Welding Process:	Not Specified	Cal Block:	EDM block s/n: Y08415	
Heat Treatment:	Not Specified	Sensitivity:	0.5mm EDM @50% FSH,	
Type of Joint:	Fillet & Butt Welds		1.0mm EDM @80% FSH	
Test Personnel:	Luke Machell	Shim Thickness:	0.5mm	

5. TEST RESTRICTIONS

Limited access to some welds due to component geometry and items not being disassembled.

6. PHOTOGRAPHS



Photo 1: Crane identification plate



Photo 2: Registration plate



Photo 3: Plant number



Photo 4: Boom articulation welds



Photo 5: Steering cylinder weld & mount



Photo 6: Turret & luffing cylinder mount



Photo 7: Luff luffing cylinder mount



Photo 8: Boom pivot welds



Photo 9: Winch mount



Photo 10: Telescoping cylinder mount



Photo 11: Boom stiffener



Photo 12: Boom collar and sheave mount



Photo 13: Boom tip & rhino hook



Photo 14: Boom lifting lug



Photo 15: Lifting lug



Photo 16: Front lug



Photo 17: Front counterweight lug



Photo 18: Rear counterweight lug



Photo 19: 25t hook



Photo 20: Small hook



Photo 21: Sheave block



Photo 22: Spreader bar



ARTICULATED MOBILE CRANE

CERTIFICATE OF ANNUAL INSPECTION AND TESTING

Certificate Number: VIC193053 CraneSafe Assessment Number: AC A 193053-14



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COMPANY

REPRESENTATIVE

ASSESSED BY
Shayne Tronconi
Reg No: VIC1120
Phone: 0416 165 650
Email: shayne@sltcrane.com

COMPANY
SLT Crane & Equipment
PO Box 5795 WANTIRNA SOUTH
VIC 3152



Franna MAC 25

LOWER HOURS
25269

SERIAL NUMBER
25180

YEAR OF MANUFACTURE
2006

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.

Shayne Tronconi

Inspection

Inspection in Accordance With

☒ AS2550.1 & AS2550.5 ☐ EN (FEM&ISO) ☐ JIS ☐ Codes of Practice ☐ Manufacturer's Instructions.

Comments



ARTICULATED MOBILE CRANE LOAD INDICATOR CERTIFICATION

Certificate Number: VIC193053 CraneSafe Assessment Number: AC A 193053-14



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YEAR OF MANUFACTURE
2006

COMPANY

REPRESENTATIVE

ASSESSED BY

Shayne Tronconi

Reg No: VIC1120

Phone: 0416 165 650

Email: shayne@sltcrane.com

COMPANY

SLT Crane & Equipment

PO Box 5795 WANTIRNA SOUTH
VIC 3152

RATED CAPACITY INDICATOR (RCI)

Load Chart Reference Number 201

PRINTED CHART - NO LOAD

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	N/A	N/A
Boom Length, m	18.42	18.40
Radius, m	12.00	12.00
Load, kg	2,800.00	2,800.00

RATED CAPACITY LIMITER (RCL)

Load Chart Reference Number 201

RATED LOAD - BOOM FULLY EXTENDED

	Rated Capacity Indicator	Measured
Radius, m	13.90	13.90
Load, kg	2,300.00	2,034.00

RATED LOAD IN STABILITY

	Rated Capacity Indicator	Measured
Radius, m	13.90	13.90
Load, kg	2,300.00	2,034.00

LINE PULL TEST

	Rated Capacity Indicator	Measured
Load, kg	4,200.00	4,300.00

WINCH BRAKE TEST

	Rated Capacity Indicator	Measured
Load, kg	4,200.00	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

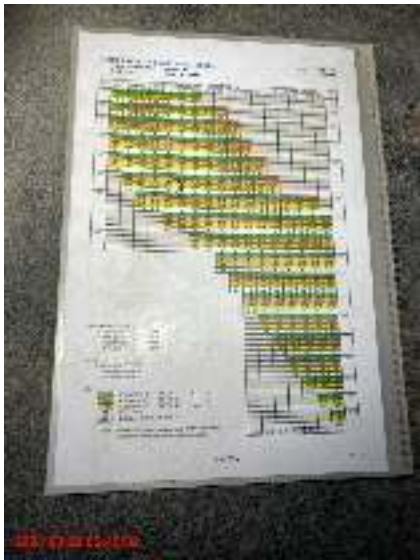
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Load Chart Reference Number



Line Pull Test



Load



Load



Rated Load - Boom Fully Extended



Load



Load

