



ALL TERRAIN CRANE

Annual Report

ATC A 216044-16



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: 07 Jul 2026

Conforms to Checklist: Yes

Issued Date: 08 Jul 2026

Next Inspection Date: 30 Aug 2027

INSPECTED FOR & OWNED BY

Metcalf Crane Services Pty Ltd

ABN 43 076 537 749

PO Box 54 SOMERTON

VIC 3062

REPRESENTATIVE

Mr. Tim Metcalf

03 9308 0044

workshop@metcalfcranes.com.au



Tadano AC7.450-1

CARRIER HOURS 2403	SUPERSTRUCTURE HOURS 2404	SLEW HOURS 270	TELE HOURS 119
LUFF HOURS 255	WINCH HOURS 418		KILOMETERS 10790

SERIAL NUMBER 79130	DESIGN REG. NO. Q31774	PLANT NUMBER UNIT 131	YOM 2023
PLANT REG. NO. NOT AVAILABLE AT THE TIME OF INSPECTION	MAX LOAD 450000 kg	ROAD REGISTRATION XW 34JE	NUMBER OF AXLES 7

Assessed By

Name	John Carroll	Reg No.	VIC1017
Phone	0418 508 870	Email	info@jatco.com.au
Company	Jatco Engineering VIC Pty Ltd	Address	PO Box 260 BALLARAT VIC 3353

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.

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

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.

© 2009-2026 The Crane Industry Council of Australia

Boom and Attachments

Base Section	OK	Luffing Jib(s)	N/A
No. 1 Section	OK	Masts	N/A
No. 2 Section	OK	Suspension Ropes	N/A
No. 3 Section	OK	Suspension Straps / Tubes	N/A
No. 4 Section	OK	Load Cell	OK
No. 5 Section	OK	Recoil Drums	OK
Additional Sections	OK	Superlift	N/A
Head Sheaves and bearings	OK	Superlift Winch	N/A
Idler Sheave and Bearing	OK	Superlift Winch Brakes	N/A
Rooster Sheave and Bearing	N/A	Boom / Attachments / Electrics	OK
Extension / Fly Jib Mounts	N/A	Proximity Switches	OK
Shimming and Alignment	OK	Boom Pinning System	OK
Boom Lift Cylinders	OK	Extension / Fly Jib	N/A
Lock Valve(s)	OK	Sheaves and Bearings	OK
Extension Cylinders	OK	Anemometer	OK
Lock Valve(s)	OK	Boom Hazard Striping	OK
Extend Ropes / Chains	N/A	Main Hoist Rope Socket and Pins	OK
Retract Ropes / Chains	N/A	Correct Assembly and Connection of Hoist Rope	OK
Boom Length Recoil Drum(s)	OK	Socket	
Mechanical Boom Angle Indicator	N/A	Auxiliary Hoist Rope Socket and Pins	N/A
Fixed Jib	N/A	Correct Assembly and Connection of Auxiliary Hoist Rope Socket	N/A

ANTI-TWO BLOCKS

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

HOOK BLOCKS - WITH CRANE

Description	3 sheaths	Hook Shank Retainer	OK
Manufacturer's Identification	OK	Branded WLL (kg)	OK
94766779212		80000kg	
Branded with Tare Weight (kg)	OK	Sheaves and Bearings	OK
200kg		3	
Swivel	OK	Hook	OK
Safety Latches	OK		

Revolving Frame and Cabin

Frame	OK	Heater	OK
Counterweight Attachment - Security	OK	Air Conditioner	OK
Counterweight Hazard Striping	OK	Gauges	OK
Boom Mounting Lugs	OK	Anti Two-Block Alarms	OK
Boom Mounting Pins	OK	Horn	OK
Lift Cylinder Lugs	OK	Access Steps	OK
Lift Cylinder Pins	OK	Doors and Locks	OK
Cab Glass and Mirrors	OK	Crane Level Indicator	OK
Sheet Metal / Guards	OK	Outrigger Controls	OK
Seat Assembly	OK	Cab Mounts	OK
Throttle	OK	Front Wiper	OK
Dead Man Controls	OK	Roof Wiper	OK
Free Fall Lockout	N/A	Windscreen Wiper / Washer	OK
Decals / Signs - In English	OK	Switches and Relays	OK
Load Charts in English as per AS1418	OK	Upper Steering	N/A
Control Levers - Clearly Marked	OK	Upper Braking	N/A
Control Cables / Pilot Hoses	OK		

Slew System

Slew Transmission & Oil Level	OK	Base Weld	OK
No Leaks Present	OK	Smooth Operation	OK
Swing Brake	OK	Rotary Coupling	OK
Lock Valve(s)	OK	Slew Bolts	OK
House Lock	OK	Bearing Play Considered Acceptable	OK
Slew Pinion	OK	Backlash Considered Acceptable	OK
Slew Gear	OK	Electrical Swivel	OK
Slewing Ring	OK		

Main Winch

Winch Condition & Oil Level	OK	Brake Operation	OK
No Leaks Present	OK	Drum Turn Indicator	OK
Rope Spooling	OK	Main Wire Rope	OK
Winch Attachment, Pins / Bolts	OK	Correct Assembly and Connection of Hoist Rope	OK
		Anchor	

Auxiliary Winch

N/A

Comments

Not rigged

Hydraulic System

No Hydraulic Leaks Present	OK	Main Winch Motor	OK
Hydraulic Reservoir & Oil Level	OK	Auxiliary Winch Motor	OK
Return Filters and Housing	OK	Main Winch Valve	OK
Suction Lines and Hoses	OK	Auxiliary Winch Valve	OK
Oil Cooler(s)	OK	Boom Lift Valve	OK
Main Pump(s)	OK	Boom Extension Valve	OK
Slew Pump	OK	Pressure Lines and Hoses	OK
Steering Pump	OK	Power Steering Cylinders	OK
Pilot Pump	OK	Vertical Outrigger Cylinders	OK
Relief Valves	OK	Horizontal Outrigger Cylinders	OK
Pressure Filter and Housing	OK	Outrigger Control Valves	OK
Slew Motor(s)	OK	Outrigger Lock Valves	OK
Slew Valve	OK	Counterweight Lift Cylinder	OK

Air Systems

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

Chassis Inspection

Frame	OK	Markings For Alternate Outrigger Widths	OK
Suspension System	OK	Outrigger Hazard Striping	OK
Steering Components	OK	Sheet Metal / Guards	OK
Driving Axles	OK	Decals / Signs - In English	OK
Non Driving Axles	OK	Doors and Locks	OK
Differentials	OK	Outrigger Controls and Labeling	OK
Planetary Drives	OK	Axle Levelling for Road Travel	OK
Drive Lines	OK	Crane Levelling System	OK
Brake(s)	OK	Condition of Tyres	OK
Parking Brake	OK	Appropriate Earthing	OK
Outrigger Boxes	OK	Earth Strap	OK
Outrigger Beams	OK	Fire Extinguisher	OK
Outrigger Pads	OK		

Electrical Systems

Battery Box	OK	Directional indicators	OK
Battery Cables	OK	Hazard Lights	OK
Battery Isolator	OK	Clearance Lights	OK
Starter	OK	Switches and Relays	OK
Head Lights	OK	Rotating Beacon(s)	OK
Tail Lights	OK	Reverse Alarm	OK
Stop Lights	OK	Horn for Road Travel	OK

Drive Systems

Radiator & Coolant Level	OK	Fuel Tank & Diesel Level	OK
Radiator Hoses	OK	Power Shift / Range Shift	OK
Fan	OK	Drive Coupling	OK
Fan Guard	OK	Abnormal Transmission Noise	OK
Oil Cooler(s)	OK	No Leaks Present	OK
Fuel Lines	OK	Pump Drives	OK
Throttle	OK	Pump Disconnects (PTO)	OK
Engine Mounts	OK	Output Coupling	OK
Power Transmission Belts	OK	Engine Braking	OK
Muffler / Spark Arrestor	OK	Transmission Retarder	OK
Engine Oil Pressure & Oil Level	OK	Telma Brake	OK
No Abnormal Engine Noises Present	OK	ABS Brakes	OK

Superstructure Drive System

N/A

Carrier Cabin

Cab Glass and Mirrors	OK	Decals / Signs - In English	OK
Sheet Metal and Guarding	OK	Heater	OK
Seat and Assembly including Seat Belts	OK	Air Conditioner	OK
Throttle	OK	Gauges	OK
Foot Brake	OK	Indication and Warning Lights	OK
Clutch Pedal	N/A	Windscreen Wiper / Washer	OK
Steering Wheel Free Play	OK	Exhaust / Telma Brakes	OK

Crack Inspection

No Cracks Detected

OK

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

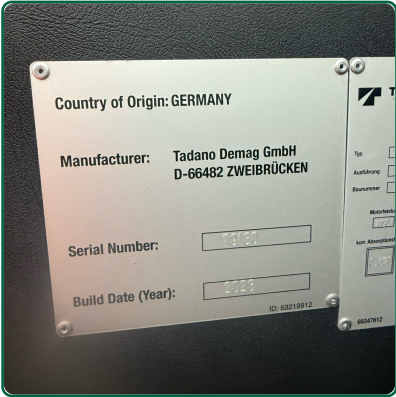
Manufacturer Additional

N/A

Site Requirements

N/A

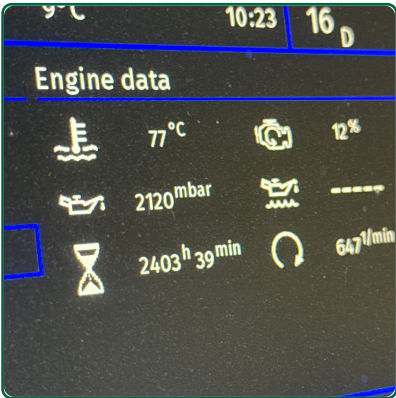
Crane



Serial Number



Model



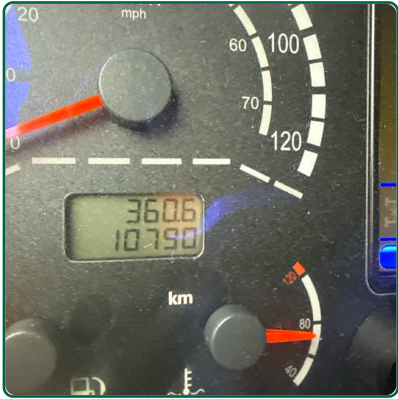
Carrier Hours



Superstructure Hours



Slew Hours



Kilometers

U131 service report 29.05.2026.pdf

Maintenance Records

Unit 131 - Pre-start 26.05.2026.pdf

Log Book

Unit 131 - Pre-start 27.05.2026.pdf

Log Book

Unit 131 - Pre-start 23.05.2026.pdf

Log Book



Shimming and Alignment



Base Section



Main Hoist Rope Socket and Pins



Correct Assembly and Connection of Hoist Rope Socket



Idler Sheave and Bearing



Hook Shank Retainer



Manufacturer's Identification



Description

Revolving Frame and Cabin



Outrigger Controls



Lift Cylinder Pins



Swing Brake



Base Weld



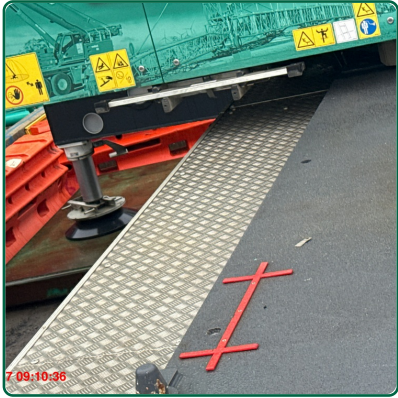
Winch Attachment, Pins / Bolts



Correct Assembly and
Connection of Hoist Rope
Anchor

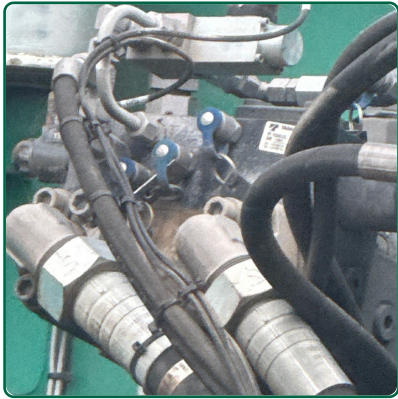


Horizontal Outrigger Cylinders

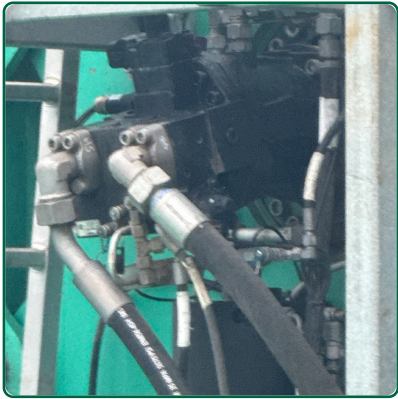


Horizontal Outrigger Cylinders

Working satisfactory at the time of inspection

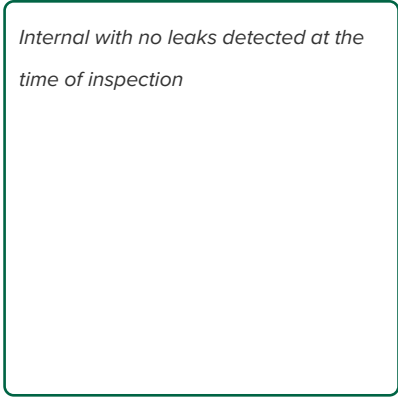


Main Winch Motor



Auxiliary Winch Motor

Air Systems



Air Cylinders

Internal with no leaks detected at the time of inspection



Outrigger Hazard Striping



Differentials

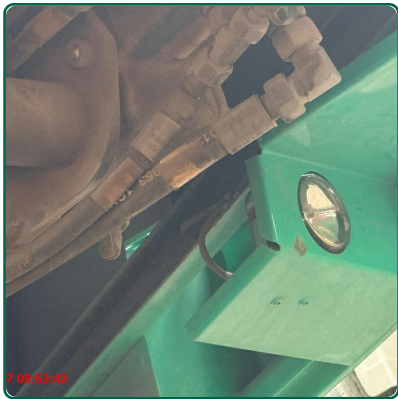
Electrical Systems



Head Lights



Head Lights



Head Lights



Head Lights

Working satisfactory at the time of inspection

Engine Braking



Muffler / Spark Arrestor

Carrier Cabin

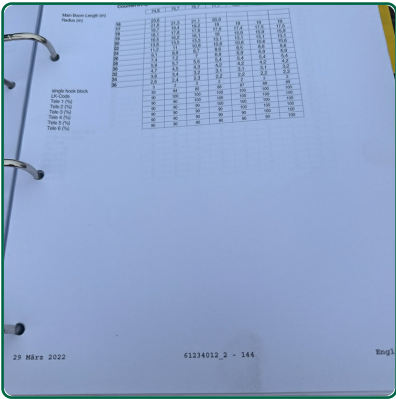


Cab Glass and Mirrors

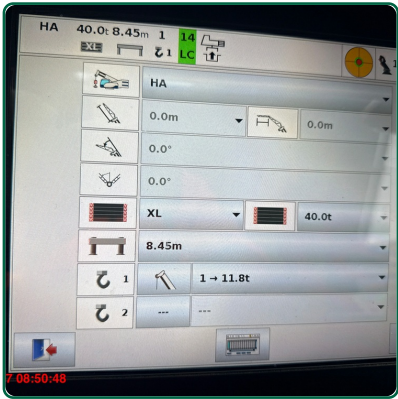


Seat and Assembly including
Seat Belts

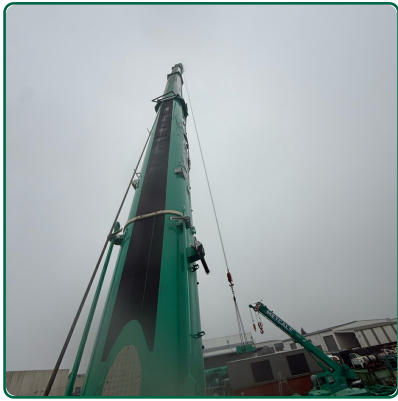
Functional Tests - Main Winch



Load Chart Reference Number



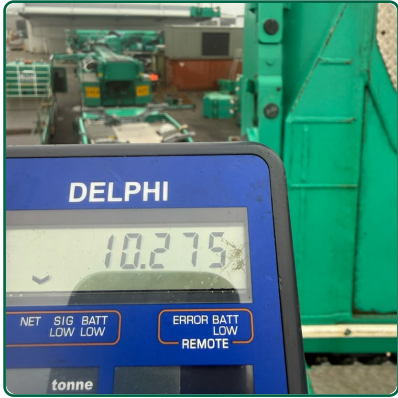
Line Pull Test



Rated Load - Boom Fully
Extended



Load



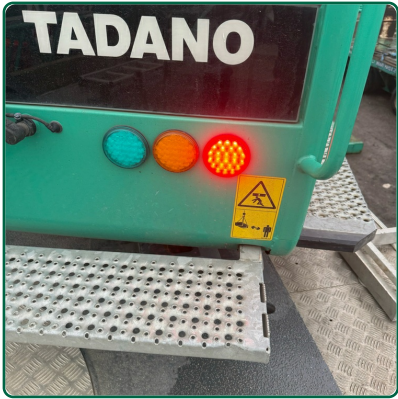
Load



Load



Load



RCL Warning Lights and Alarms

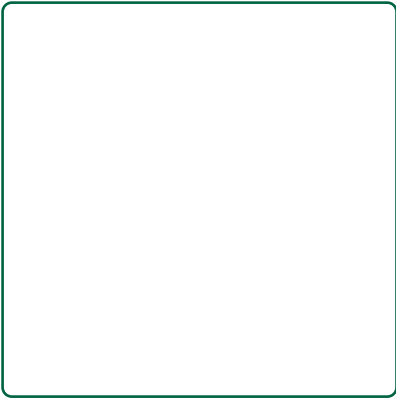


Line Pull Test

10275kg+hook block and rigging
motion cut as per the load chart

Rated Capacity Limiter Fitted

Crack Inspection

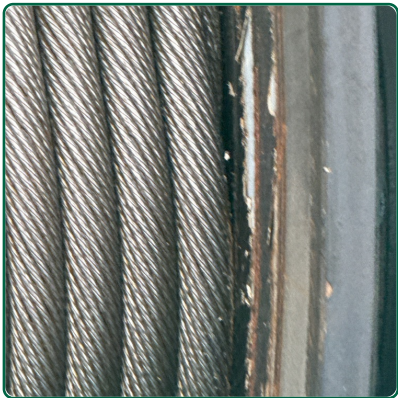


No Cracks Detected

Wire Rope Certificate



Rope Termination (End 1)



Rope Termination (End 2)

CraneSafe®

Wire Rope Certificate

Certificate No:
ATC R.1 216044-16.1

Company Name: Metcalf Crane Services Pty Ltd
Crane Make & Model: Tadano AC7.450-1
Length of Rope: 240.00m
Rope Construction: CASAR Eurolift
Surface Finish: Uncoated
Direction of Rope Lay: Ordinary Right Hand Lay
Decision: Pass

Crane Serial No.: 79130
Year of Manufacture: 2023
Wire Rope Application: Main Hoist
Rope Termination (End 1): Poured Socket
Rope Termination (End 2): Wedge Type Socket
Rope Diameter: 23.00mm



Position Inspected (approx. metres)		10	41	72	103	134	165	230
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)	23.50	23.50	23.60	23.50	23.50	23.50	23.50
	Measurement 90° (mm)	23.60	23.50	23.50	23.60	23.50	23.50	23.50
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: 07 Jul 2026
Date Issued: 08/07/2026

John Carroll
Assessor No: VIC1017

CraneSafe®



Hook Block Certificate

Certificate No:
ATC HB.1 216044-16.1

Accreditation no. 19898

Company Name: Metcalf Crane Services Pty Ltd
Crane Make & Model: Tadano AC7.450-1

Crane Serial No.: 79130
Year of Manufacture: 2023

Item Inspected		
AS1418.5-2013 Annex K.1		
Hook Block	MANUFACTURERS ID no.	94766779212
	FORM OF HOOK	Ramshorn
	NOMINAL LIFTING LOAD	80000kg
	MASS	200kg
AS1418.5-2013 Annex K.3		
Sheave	NUMBER OF SHEAVES	3
	ROPE DIAMETER	24mm
	KIND OF MATERIAL	Metal
	GROOVE WEAR	☒
	ROTATING / BEARING	☒
	BRUISING	☒
	CRACKS	☒
	CHIPS	☒
AS1418.5-2013 Annex K.2		
Lifting Hook	WEAR	☒
	CRACKS	☒
	DEFORMATION	☒
	SAFETY LATCH	☒
	SWIVEL	☒
	BEARING	☒
	HOOK BRUISING	☒
	Y - Y MEASUREMENT	200mm
AS1418.5-2013 Clause 4.2.13		



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: 07 Jul 2026
Date Issued: 08/07/2026

John Carroll
Assessor No: VIC1017



ALL TERRAIN CRANE CERTIFICATE OF ANNUAL INSPECTION AND TESTING

Certificate Number: VIC216044 Green Sticker by CraneSafe Assessment Number: ATC A 216044-16



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

Inspection Date: 07 Jul 2026

Renewal Date: 30 Aug 2027

Issued Date: 08 Jul 2026

COMPANY

Metcalf Crane Services Pty Ltd

ABN 43 076 537 749

PO Box 54 SOMERTON VIC 3062

REPRESENTATIVE

Mr. Tim Metcalf Phone: 03 9308 0044

Email: workshop@metcalfcranes.com.au



Tadano AC7.450-1

ASSESSED BY

John Carroll

Reg No: VIC1017

Phone: 0418 508 870

Email: info@jatco.com.au

COMPANY

Jatco Engineering VIC Pty Ltd

PO Box 260 BALLARAT

VIC 3353

CARRIER HOURS

2403

SUPERSTRUCTURE HOURS

2404

SERIAL NUMBER

79130

PLANT NUMBER

UNIT 131

YEAR OF MANUFACTURE

2023

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.

John Carroll

Inspection

Inspection in Accordance With

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

Comments

Inspection to crane safe check list only

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

© 2009-2026 The Crane Industry Council of Australia

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.



ALL TERRAIN CRANE LOAD INDICATOR CERTIFICATION

Certificate Number: VIC216044 Green Sticker by CraneSafe Assessment Number: ATC A 216044-16



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

Inspection Date: 07 Jul 2026

Renewal Date: 30 Aug 2027

Issued Date: 08 Jul 2026

Tadano AC7.450-1

CARRIER HOURS

2403

SUPERSTRUCTURE HOURS

2404

SERIAL NUMBER

79130

PLANT NUMBER

UNIT 131

YEAR OF MANUFACTURE

2023

COMPANY

Metcalfe Crane Services Pty Ltd

ABN 43 076 537 749

PO Box 54 SOMERTON VIC 3062

REPRESENTATIVE

Mr. Tim Metcalfe Phone: 03 9308 0044

Email: workshop@metcalfecranes.com.au

ASSESSED BY

John Carroll

Reg No: VIC1017

Phone: 0418 508 870

Email: info@jatco.com.au

COMPANY

Jatco Engineering VIC Pty Ltd

PO Box 260 BALLARAT

VIC 3353

RATED CAPACITY INDICATOR (RCI)

Load Chart Reference Number Lk89

PRINTED CHART - NO LOAD

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	N/A	N/A
Boom Length, m	79.90	79.90
Radius, m	20.00	20.00
Load, kg	15,900.00	15,900.00

RATED CAPACITY LIMITER (RCL)

Load Chart Reference Number Ok 89

RATED LOAD - BOOM FULLY EXTENDED

	Rated Capacity Indicator	Measured
Radius, m	23.10	23.10
Load, kg	11,800.00	10,275.00

RATED LOAD IN STABILITY

	Rated Capacity Indicator	Measured
Radius, m	23.10	23.10
Load, kg	11,800.00	10,275.00

LINE PULL TEST

	Rated Capacity Indicator	Measured
Load, kg	13,000.00	12,233.00

WINCH BRAKE TEST

	Rated Capacity Indicator	Measured
Load, kg	1,300.00	12,233.00

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

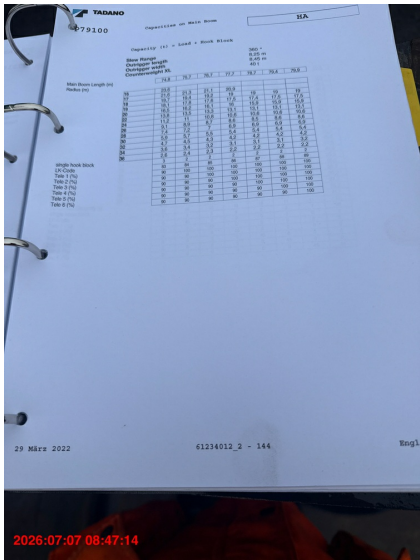
John Carroll

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

© 2009-2026 The Crane Industry Council of Australia

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.

Load Chart Reference Number



Line Pull Test



Rated Load - Boom Fully Extended



Load



Load



Load



Load



RCL Warning Lights and Alarms



Line Pull Test

