



ALL TERRAIN CRANE Annual Report

ATC A 210329-16



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: 22 Jan 2026
Conforms to Checklist: Yes
Issued Date: 09/02/2026
Next Inspection Date: 28 Feb 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 Demag AC500-8

CARRIER HOURS
1289

SUPERSTRUCTURE HOURS
4644

KILOMETERS
24317

YOM
2019

SERIAL NUMBER
84241

PLANT NUMBER
UNIT 97

MAX LOAD
500000 kg

NUMBER OF AXLES
8

DESIGN REGISTRATION NO.
NOT AVAILABLE AT THE TIME OF INSPECTION

PLANT REGISTRATION NO.
NOT AVAILABLE AT THE TIME OF INSPECTION

ROAD REGISTRATION
XV76EP

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	N/A	Recoil Drums	OK
Additional Sections	N/A	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	N/A
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	Block only	Hook Shank Retainer	OK
Manufacturer's Identification	OK	Branded WLL (kg)	OK
L9098012		100kg	
Branded with Tare Weight (kg)	OK	Sheaves and Bearings	OK
1800kg		3	
Swivel	OK	Hook	OK
Safety Latches	OK		

HOOK BLOCKS - WITH CRANE No. 2			
Description	100t block	Hook Shank Retainer	OK
Manufacturer's Identification	OK	Branded WLL (kg)	OK
11901113		2000000kg	
Branded with Tare Weight (kg)	OK	Sheaves and Bearings	OK
2300kg		7	
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	Parts on order	
Boom Mounting Lugs	OK	Gauges	OK
Boom Mounting Pins	OK	Anti Two-Block Alarms	OK
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 Assembly	OK	Outrigger Controls	OK
Throttle	OK	Cab Mounts	OK
Dead Man Controls	OK	Front Wiper	OK
Free Fall Lockout	N/A	Roof Wiper	OK
Decals / Signs - In English	OK	Windscreen Wiper / Washer	OK
Load Charts in English as per AS1418	OK	Switches and Relays	OK
Control Levers - Clearly Marked	OK	Upper Steering	N/A
Control Cables / Pilot Hoses	OK	Upper Braking	N/A

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	Excessive Bearing Play	OK
Slew Pinion	OK	Excessive Backlash	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	
		No	

Auxiliary Winch

N/A

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

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

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

Functional Tests - Main Winch

Rated Capacity Indicator (RCI)			
Load Chart Reference Number	LK94		
Printed Chart - No Load	OK		
		Printed Chart	RCI
		Boom Angle, deg	N/A°
		Boom Length, m	56.00m
		Radius, m	20.00m
		Load, kg	43100kg
RCI Load Charts	75%		
Rated Capacity Limiter (RCL)			
Load Chart Reference Number	LK94		
Rated Load - Boom Fully Extended	OK	RCI	Measured
		Radius, m	40.10m
		Load, kg	22000kg
Rated Load in Stability	OK	RCI	Measured
		Radius, m	40.10m
		Load, kg	22000kg
Line Pull Test	OK	RCI	Measured
		Load, kg	12600kg
Winch Brake Test	OK	RCI	Measured
		Load, kg	12600kg
RCL Warning Lights and Alarms	OK	Rated Capacity Limiter Fitted	OK

Functional Tests - Auxiliary Winch

N/A

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



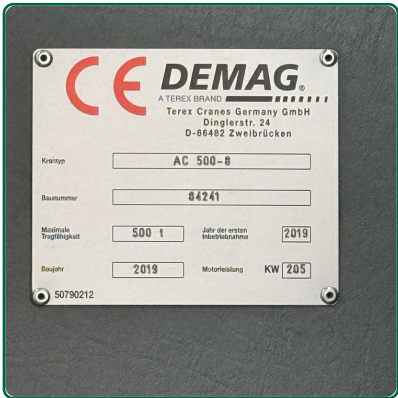
Carrier Hours



Kilometers



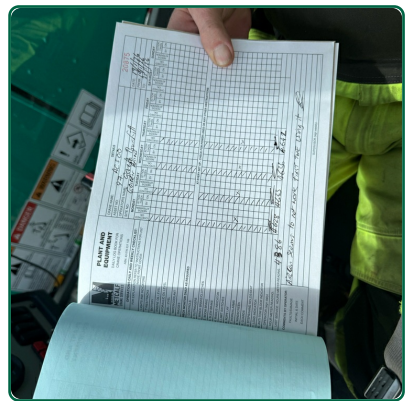
Model



Serial Number



Superstructure Hours



Maintenance Records

Boom and Attachments



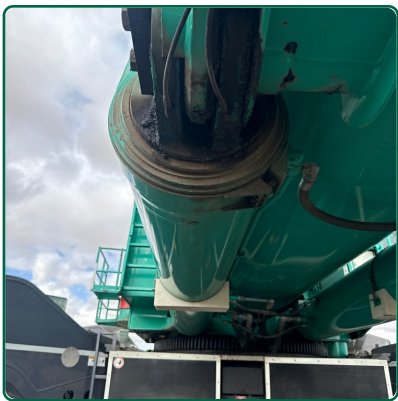
No. 1 Section



No. 2 Section



Base Section



Boom Lift Cylinders



Base Section



Boom Lift Cylinders



Head Sheaves and bearings



Head Sheaves and bearings

Pressure transducer

Load Cell

Pressure transducer

Load Cell



Anemometer



Main Hoist Rope Socket and Pins



**Correct Assembly and
Connection of Hoist Rope
Socket**



Boom Head

Hook & Hook Blocks



Description



Hook Shank Retainer



Manufacturer's Identification



Description



Hook Shank Retainer



Manufacturer's Identification



Decals / Signs - In English



Counterweight Attachment - Security



Counterweight Hazard Striping

Slew System



Swing Brake

Checked at service intervals

Slew Transmission & Oil Level

Main Winch



Rope Spooling



Correct Assembly and
Connection of Hoist Rope
Anchor

Line pull test satisfactory

Brake Operation

Checked at service intervals

Winch Condition & Oil Level

Hydraulic System

Working satisfactory at the time of
inspection

Steering Pump

Air Systems

Internal with no leaks detected at the
time of inspection

Air Cylinders

Chassis Inspection



Drive Lines



Outrigger Hazard Striping

Electrical Systems



Rotating Beacon(s)

Working satisfactory at the time of inspection

Transmission Retarder

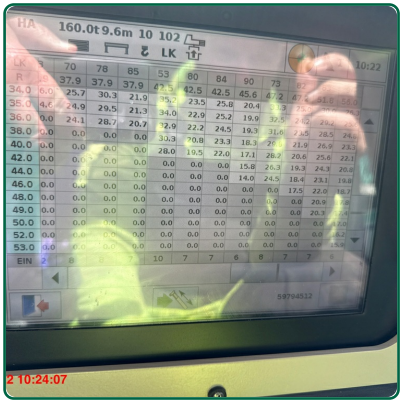
Superstructure Drive System

Internal

Drive Coupling



Seat and Assembly including
Seat Belts



Load Chart Reference Number



Rated Load - Boom Fully Extended



Load



Load



Rated Capacity Limiter Fitted
2060kg+hook block and rigging
motion cut as per the load chart



Line Pull Test



Load



Load

Crack Inspection

26-J027.pdf

No Cracks Detected

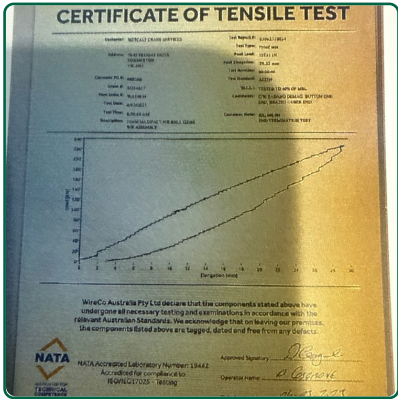
Wire Rope Certificate



Rope Termination (End 1)



Rope Termination (End 2)



Additional Comments

TEST INSPECTION REPORT



Client:	Metcalf Crane Services	Report No:	26-J027
Address:	78-82 Freight Drive Somerton Victoria 3062	Inspection Date:	22, 27 & 30/01/2025
		Test Site:	3 different sites, see section 6 for locations

Equipment Details			
Manufacturer:	Terex Demag	Model:	AC500-8
Vehicle Registration:	XV 76EP	Serial No:	84241
Manufacture Date:	2019	Unit No:	97

1. FINDINGS SUMMARY

NDT crack testing was performed on the equipment listed above using eddy current and ultrasonic testing in accordance with The Crane Industry Council of Australia's Guide to Major Inspections – July 2017.

No cracks or reportable discontinuities were detected.

Authorised by:

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



4th February 2026

2. LOCATIONS INSPECTED

An eddy current testing inspection was performed in accordance with AS ISO 17643-2020 to detect surface breaking cracks on 100% of accessible welds on the items as listed in section 6.

An ultrasonic testing inspection was performed in accordance with AS 1065-1988 (R2022) to detect cracks on the following items;

- 10% of front outer slew bolts
- 10% of rear outer slew bolts
- 10% of front inner slew bolts
- 10% of rear outer slew bolts

3. RESULTS

No cracks or other reportable discontinuities were detected.

4. TEST RESTRICTIONS

Limited access to some welds due to component geometry.

5. INSPECTION DETAILS

Ultrasonic Test Settings			
Test Standard:	AS 1065-1988	Equipment:	SIUI 9006
Acceptance Spec:	Record findings/Nil cracks	Serial No:	13360 a
Procedure No:	UT-02	Probe Angle:	0°
Material:	Carbon steel	Serial No:	5PL10 A036-11
Surface Condition:	Machined/coated	Frequency:	5MHz
Surface < 6.3µm R_a	Yes	Cal Block:	FBH 6mmØ
Scanning Technique:	Complete coverage	Serial No:	UT-03/
Test Personnel:	G. Haberl	Couplant:	Grease

Eddy Current Test Settings						
Test Standard:	AS ISO 17643-2020		Equipment 1:	IWel-001 #508451/02		
Acceptance Spec:	Nil cracks		Calibration 1:	13/01/2026		
Procedure No:	ET-01		Equipment 2:	Nortec 600 #210154105		
Material:	Carbon steel		Calibration 2:	18/01/2026		
Material Thickness:	Not Specified		Equipment 3:	Nortec 600 #60008196099		
Surface Prep:	Cleaned		Calibration 3:	16/01/2025		
Coating Type, Thick:	Non-conductive<0.5mm		Cal Block 1:	EDM block s/n: Y08415		
Welding Process:	Not Specified		Cal Block 2:	EDM block s/n: 34843		
Heat Treatment:	Not Specified		Cal Block 3:	EDM block s/n: A017-1		
Type of Joint:	Fillet & Butt Welds					
Probe Serial #:	W02845	922898	WLD-8-55/7L	S14900	A017-9	A017-12
Probe Type:	Orth	Abs	Diff	Abs	Diff	Abs
Frequency:	100 kHz	50 kHz	100 kHz	50 kHz	100 kHz	100 kHz
Gain:	50 dB	19 dB	70 dB	50 dB	67 dB	50 dB
Phase Angle:	182°	95°	134°	95°	152°	232°
Test Personnel:	G. Haberl		Sensitivity:	0.5mm EDM @50% FSH,		
Test Personnel:	J. Stewart			1.0mm EDM @80% FSH		
Test Personnel:	L. Machell		Shim Thick:	0.5mm		

6. LOCATIONS INSPECTED & PHOTOGRAPHS

Areas Tested	
SUPERSTRUCTURE	
Serial Number:	84241
Section Number:	N/A
- Butt mount welds - Attachment mount welds - Cylinder welds and mount welds - Turret welds - Cabin mount welds - Slew ring weld - Winch welds and mount welds - Counterweight mount welds	- Outrigger welds - Outrigger mount welds - Lifting/towing/pennant lug welds - Boom collar welds - Boom butt welds - Boom tip welds - Luffing cylinder welds & mount welds - Bridle Welds
Test site: Golden Plains Wind Farm, Rokewood VIC	



Serial plate



Registration plate



Unit number



Outrigger



Outrigger mount



Outrigger attachments



Rear lug



Slew ring weld



Luffing cylinder weld & mount



Luffing cylinder weld & mount



Lifting lug



Winch welds



Counterweight mount



Pendant mounts



Inner slew bolts



Outer slew bolts



Boom stiffener



Cabin



Boom collars



Boom tip & section

SUPERLIFT

Serial Number: 84241
Section Number: N/A

- Connection points
- Lifting lugs
- 100% of butt welds
- Sheave mount welds

Test Site: Metcalf Somerton yard



Superlift



Welds inspected



Butt welds



Welds inspected



Welds inspected

LUFFER

Serial Number: 84241

Section Number: 1

- Connection points
- Lifting lugs
- Pennant welds
- 100% of butt welds
- 10% lacing welds
- Sheave mount welds

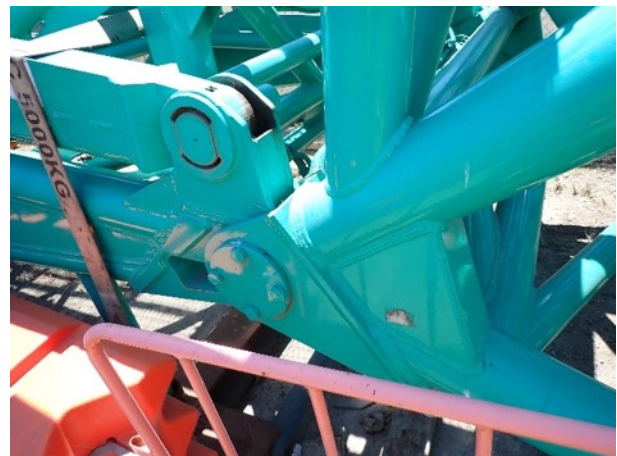
Test site: Metcalf West Melbourne yard



Luffer



Section number



Connection end



Butt weld



Welds inspected



Welds inspected



Lifting lug



Welds inspected



Pendant weld

JIB BOOM SECTION

Serial Number: 2121-8-12

Section Number: 2

- Connection points
- Lifting lugs
- Pendant welds
- 10% of lacing nodes

Test site: Metcalf West Melbourne yard



Jib section 2



Serial number



Unit number



Section number



Connection end & lacing



Lifting lug



Pennant

JIB BOOM SECTION 3

Serial Number: 2121-8-11

Section Number: 3

- Connection points
- Lifting lugs
- 10% of lacing nodes

Test site: Metcalf West Melbourne yard



Jib section 3



Unit number



Serial number



Connection end & lacing



Weld inspected



Lifting lug



Pennant

BOOM SECTION 4

Serial Number: 2118-8-12
Section Number: 4

- Connection points
- Lifting lugs
- Pendant welds
- 10% of lacing nodes

Test site: Metcalf West Melbourne yard



Jib section 4



Section number



Connection end & lacing



Pendant weld

JIB BOOM SECTION 5

Serial Number: 1818-6-11
Section Number: 5

- Connection points
- Lifting lugs
- 10% of lacing nodes
- Pennant welds

Test site: Metcalf West Melbourne yard



Boom section 5



Section number



Serial number



Connection end & lacing



Weld inspected



Lifting lug



Pendant

BOOM SECTION 6

Serial Number:

Section Number: 6

- Connection points
- Lifting lugs
- 10% of lacing nodes

Test site: Metcalf West Melbourne yard



Jib section 6



Section number



Serial number



Connect end & lacing



Lifting lug

JIB END SECTION 7

Serial Number: 1818-8-12
Section Number: 7

- Connection points
- Lifting lugs
- Butt welds
- 10% of lacing nodes
- Pennant welds
- Sheave & wheel mounts

Test site: Metcalf West Melbourne yard



Jib end section 7



Section number



Serial number



Sheave mount



Connection welds



Butt weld & lacing



Sheave & wheel mount

JIB BOOM SECTION 8

Serial Number: 1411-10-11

Section Number: 8

- Connection points
- Lifting lugs
- 10% of lacing nodes
- Sheave mount welds

Test site: Metcalf West Melbourne yard



Jib section 8



Section number



Serial number



Connection end & lacing



Weld inspected



Lifting lug



Sheave mount

JIB BOOM END SECTION 9

Serial Number: 1411-5-11
Section Number: 9

- Connection points
- Lifting lugs
- 100% butt welds
- 10% of lacing nodes
- Sheave mount welds

Test site: Metcalf West Melbourne yard



Jib end section 9



Section number



Unit number



Connection end



Butt weld & lacings



Sheave mount



Welds inspected

JIB ADAPTER SECTION 51

Serial Number:

Section Number: 51

- Connection ends
- 10% of lacing nodes
- Sheave mount welds

Test site: Metcalf West Melbourne yard



Jib adapter section 51



Section number



Connection end



Weld inspected



Lifting lug

FLY AWAY JIB SECTION 52

Serial Number: 1814-8-
Section Number: 52

- Connection ends
- Lifting lugs
- Pendant lugs
- 10% of lacing nodes

Test site: Metcalf West Melbourne yard



Jib section 52



Section number



Serial number



Connection end & lacing



Weld inspected



Welds inspected



Lifting lug

JIB ADAPTER SECTION 53

Serial Number:

Section Number: 53

- Connection ends
- 10% of lacing nodes

Test site: Metcalf West Melbourne yard



Adapter section 53



Connection end



Connection welds

JIB ADAPTER SECTION 54

Serial Number:

Section Number: 54

- Connection ends
- Lifting lugs
- 10% of lacing nodes

Test site: Metcalf West Melbourne yard



Jib section 54



Section number



Connection end

JIB BOOM SECTION 55

Serial Number: 1411-6-11

Section Number: 11

- Connection ends
- Lifting lugs
- 10% of lacing nodes

Test site: Metcalf West Melbourne yard



Jib section 55



Serial number



Connection end



Connection end & lacing



Lifting lug

HOOK & SHEAVE BLOCK

40t hook - Block serial number: R0191 R181785

- Inner radius of hook
- Around pinning holes

Test Site: Metcalf West Melbourne yard



40t hook and sheave block

COUNTERWEIGHT

Serial Numbers:

- Trunnion transition areas

Test site: Golden Plains Wind Farm, Rokewood
VIC



Counterweight trunnion

BOG MATTS

Serial Numbers: RV3323A 1
RV3323A 2
RV3323A 3
RV3323A 4

- 100% of lifting lug welds

Test site: Metcalf West Melbourne yard



Typical bog Matt



Lifting lug

Accreditation no. 19898

Company Name: Metcalf Crane Services Pty Ltd
Crane Make & Model: Tadano Demag AC500-8

Crane Serial No.: 84241
Year of Manufacture: 2019

Length of Rope: 600.00m
Rope Construction: 24mmMaxipack me/LHLL
Surface Finish: Uncoated
Direction of Rope Lay: Lang Left Hand Lay
Decision: Pass

Wire Rope Application: Main Hoist
Rope Termination (End 1): Poured Socket
Rope Termination (End 2): Wire Rope Clamps
Rope Diameter: 24.00mm



Position Inspected (approx. metres)		10	92	174	256	338	420	590
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 Clause14.13		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 Clause14.8	Degree of Deterioration	0	0	0	0	0	0	0
Reduction of Rope Diameter AS2759-2004 Clause14.9	Measurement (mm)	24.55	24.45	24.45	24.55	99.99	24.36	24.37
	Measurement 90° (mm)	24.55	24.55	24.54	24.55	24.55	24.30	24.37
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: 22 Jan 2026
Date Issued: 09/02/2026

John Carroll
Assessor No: VIC1017

WIRECO
A World Ahead

Lambert Hayes

CANAR

dpruot

Union

OLIVEIRA

Account 19/10/2019
Tel: +6105 917 126
WIRECO.AU@WIRECO.COM

CERTIFICATE OF TENSILE TEST

Customer: NITCAL CRANE SERVICES

Test Report #: 2020110014

Address: 75-87 BELGIAN DRIVE
SOMERSET
VIC 3067

Test Report: Final test

Post Load: 122.1 kN

Post Elongation: 25.13 mm

Yield Extension: 1.06 mm

Yield Strength: 422MP

Customer PO #: 408246

Order #: 3024437

Item Order #: WJ10614

Test Date: 04/10/2020

Test Time: 4:00pm AEST

MATERIAL: TESTER TO 47% OF MSL

Comments: CW FABRIMO DETAIL BOTTOM END
END BRACKET 1/4" DIA END

Description: 25MM DIA X 250T F416 BELL COUPLER
W/ ASSEMBLY

Customer Order: 408246

END TRANSMISSION TEST

Elongation (mm)	Load (kN)
0	0
~1.06	~42.2 (Yield)
25.13	122.1 (Post Load)

WireCo Australia Pty Ltd declare that the components stated above have undergone all necessary testing and examinations in accordance with the relevant Australian Standards. We acknowledge that on leaving our premises, the components listed above are tagged, dated and free from any defects.

ACCREDITED FOR
TECHNICAL
COMPLIANCE

NATA Accredited Laboratory Number: 19442

Accredited for compliance to:

ISO/IEC 17025 - Testing

Approved Signature:

Operator Name:

Dirly Approved:

Document Number: F-01

Revision: 3

Date of Issue: 11-Oct-2020

2026:02:02 10:20:47

Additional Comments

Accreditation no. 19898

Company Name: Metcalf Crane Services Pty Ltd
Crane Make & Model: Tadano Demag AC500-8

Crane Serial No.: 84241
Year of Manufacture: 2019

Item Inspected		
AS1418.5-2013 Annex K.1		
Hook Block	MANUFACTURERS ID no.	L9098012
	FORM OF HOOK	Ramshorn
	NOMINAL LIFTING LOAD	100kg
	MASS	1800kg
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	210mm
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: 22 Jan 2026
Date Issued: 09/02/2026

John Carroll
Assessor No: VIC1017

Accreditation no. 19898

Company Name: Metcalf Crane Services Pty Ltd
Crane Make & Model: Tadano Demag AC500-8

Crane Serial No.: 84241
Year of Manufacture: 2019

Item Inspected		
AS1418.5-2013 Annex K.1		
Hook Block	MANUFACTURERS ID no.	11901113
	FORM OF HOOK	Ramshorn
	NOMINAL LIFTING LOAD	2000000kg
	MASS	2300kg
AS1418.5-2013 Annex K.3		
Sheave	NUMBER OF SHEAVES	7
	ROPE DIAMETER	24mm
	KIND OF MATERIAL	Plastic
	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	270mm
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: 22 Jan 2026
Date Issued: 09/02/2026

John Carroll
Assessor No: VIC1017



ALL TERRAIN CRANE CERTIFICATE OF ANNUAL INSPECTION AND TESTING

Certificate Number: VIC210329 Green Sticker by CraneSafe Assessment Number: ATC A 210329-16



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: 22 Jan 2026

Renewal Date: 28 Feb 2027

Issued Date: 09/02/2026

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



Tadano Demag AC500-8

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

1289

SUPERSTRUCTURE HOURS

4644

SERIAL NUMBER

84241

PLANT NUMBER

UNIT 97

YEAR OF MANUFACTURE

2019

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: VIC210329 Green Sticker by CraneSafe Assessment Number: ATC A 210329-16



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: 22 Jan 2026

Renewal Date: 28 Feb 2027

Issued Date: 09/02/2026

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

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

Tadano Demag AC500-8

CARRIER HOURS

1289

SUPERSTRUCTURE HOURS

4644

SERIAL NUMBER

84241

PLANT NUMBER

UNIT 97

YEAR OF MANUFACTURE

2019

RATED CAPACITY INDICATOR (RCI)

Load Chart Reference Number LK94

PRINTED CHART - NO LOAD

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	N/A	N/A
Boom Length, m	56.00	56.00
Radius, m	20.00	20.00
Load, kg	43,100.00	43,100.00

RATED CAPACITY LIMITER (RCL)

Load Chart Reference Number LK94

RATED LOAD - BOOM FULLY EXTENDED

	Rated Capacity Indicator	Measured
Radius, m	40.10	40.40
Load, kg	22,000.00	20,160.00

RATED LOAD IN STABILITY

	Rated Capacity Indicator	Measured
Radius, m	40.10	40.40
Load, kg	22,000.00	20,160.00

LINE PULL TEST

	Rated Capacity Indicator	Measured
Load, kg	12,600.00	1,016.00

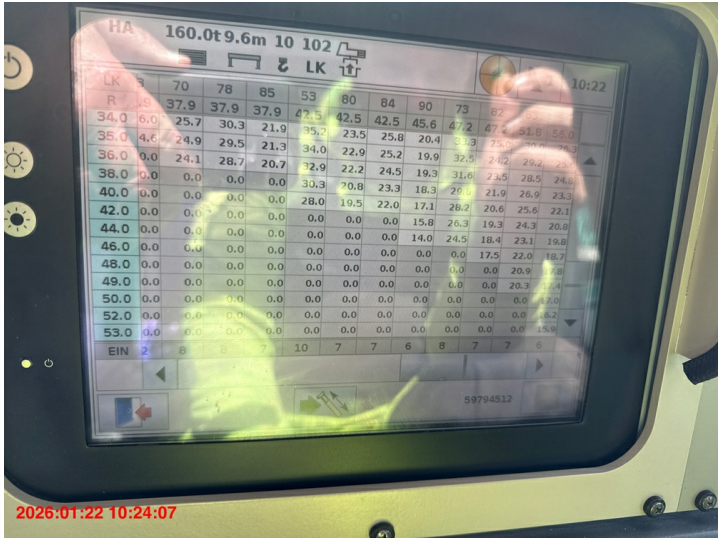
WINCH BRAKE TEST

	Rated Capacity Indicator	Measured
Load, kg	12,600.00	1,016.00

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

Load Chart Reference Number



Load



Load

