



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

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ARTICULATED MOBILE CRANE Annual Report

Company	C & C Construction Services
Address	1 Sir Henry Parkes Avenue MEDOWIE
State	NSW
Postcode	2318

Make	Franna
Model	AT 20
Serial Number	4601
Plant Number	CCCS 003
Year of Manufacture	2011
Design Registration Number	Q19500
Plant Registration	MC6-154902/12/0
Road Registration	627 RXV
Max Load	20000kg
Number of Axles	2
Lower Hours	12069
Kilometers	24131





Country where assessed	Australia	State	ACT
Operators Manual in English	ОК		
Log Book	ОК		
Maintenance Records	OK - SERVICE CODI CLEARED	ES IN COMPUT	TER SHOULD BE
Crane Safety Manual	No		

Assessed By Reg. No. Phone Email	Clint Johnst WA1098 0457 262 6 ciwa@bigp	570	Company Address State Postcode	Crane Inspections WA 3 Allen Court KARRATHA WA 6714
Initital Inspect	ion Date	16/04/2020	Issued Date	04/05/2020
Re-Inspection	Date	01/05/2020	Expiry Date	01/05/2021
Conforms t	o Checkli	st Yes		

ntorms to Checklist Tes

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.

Actions Required

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 © The Crane Industry Council of Australia 2009

BOOM AND ATTACHMENTS

Base Section No. 1 Section No. 2 Section No. 3 Section No. 4 Section Length Markings Rope Compensation System Hook Lift Lugs and Tonnage Decals Head Sheaves and bearings Idler Sheave and Bearing Rooster Sheave and Bearing Extension / Fly Jib Mounts Machinery Hook Boom Lift Cylinders Lock Valve(s) Extension Cylinders Lock Valve(s) Extend Ropes / Chains Retract Ropes / Chains Boom Length Recoil Drum(s) Boom Angle Indicator Extension / Fly Jib Extension Sheaves and Bearings <i>ANTI-TWO BLOCKS</i> Boom Head Rooster Sheave Extension / Fly <i>HOOK BLOCKS - WITH CRANE</i> Description Type Manufacturers Identification Branded WLL (kg) Safety Latches Sheaves and Bearings Swivel Branded with Tare Weight (kg) <i>HOOK BLOCKS - WITH CRANE No. 2</i> Description Type Manufacturers Identification Branded WLL (kg) Safety Latches Sheaves and Bearings	OK OK - SLIGHT GOUGING RHS UNDERSIDE OK REMEDIED - RHS TIP DAMAGED N/A N/A OK OK OK OK OK OK OK OK OK OK OK OK OK
Sheaves and Bearings Swivel Branded with Tare Weight (kg)	OK N/A kg
PUSH BAR	REMEDIED

FRAME AND CABIN

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

DRIVE SYSTEMS

Radiator & Coolant level Water Temperature Gauge Radiator Hoses / Heater Hoses Fan / Fan Shaft Assembly Fan Guard Oil Filter & Oil Level Water Pump and Conditioner Oil Cooler(s) Fuel Lines Throttle Engine Mounts Power Transmission Belts Exhaust Brake Muffler / Spark Arrestor Abnormal Engine Noises Fuel Tank & Diesel Level Drive Coupling Transmission Noise / Leaks Filter and Housing Pump Drives (PTO)	0K 0K 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------

CHASSIS INSPECTION

Frames	OK
Suspension System	OK
Axle Lock Outs (if fitted)	N/A
Steering Components - Lugs / Pins etc	OK
Front Axle(s)	OK
Rear Axle(s)	OK
Differentials / Planetary Drives	OK
Transfer Case	OK
Drive Lines	OK
ABS Brakes	OK
Front Brake(s)	OK
Rear Brake(s)	OK
Holding / Parking Brake	OK
Emergency Brake Release	N/A
Front Wheels and Tyres	REMEDIED -
Rear Wheels and Tyres	REMEDIED -
Spare Wheel	REMEDIED -
Engine Cowls	OK
Rear Wheels and Tyres	REMEDIED
Spare Wheel	REMEDIED -
Engine Cowls	OK
Articulation Joint	OK - 0.4MM
Tackle Boxes	OK
Fire Extinguisher	OK - DUE 10/2020
_	

HYDRAULIC SYSTEM

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

AIR SYSTEMS

Air ReservoirsOKDrain ValvesOKAir LinesOKBrake ChambersOKBrake ValvesOKAir CylindersOKGaugesOKAir DryerOK	К К К К К
-----------------------------------------------------------------------------------------------------------	-----------------------

ELECTRICAL SYSTEMS

Tail LightsREStop LightsREDirectional IndicatorsREHazard LightsOKWork LightsOKClearance LightsRESwitches and RelaysOKBack-up AlarmOK	K K - CRACKS IN LENSES MONITOR EMEDIED - EMEDIED - EMEDIED - K K EMEDIED - K K
Horn for Road Travel OK	К

MAIN WINCH

Winch Condition & Oil Level	OK
Leaks	OK
Rope Spooling	OK
Mounts	OK
Brake Operation	OK
Drum Turn Indicator	N/A
Wire Rope	OK - WEAR IN AREAS OK, TWIST IN ROPE WHEN LOWERED
Rope Anchor and Pin	OK
Correct Assembly and Connection of Hoist	ОК
Rope Anchor	

FUNCTIONAL TESTS - MAIN WINCH

Rated Capacity Indicator (RCI) Load Chart Reference Number Printed Chart - No Load

Printed Chart - No Lo	bad	OK
	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	48.00°	48.10°
Boom Length, m	13.85m	13.80m
Radius, m	7.00m	7.00m
Load, kg	3950kg	3900kg

Rated Capacity Limiter (RCL)Load Chart Reference Number03Rated Load - Boom Fully ExtendedREMEDIED

	Rated Capacity Indicator	Measured
Radius, m	9.20m	9.20m
Load, kg	3200kg	2714kg

Rated Load i	n Stability	0	K
	Rated Capacity Indicator	Measured	
Radius, m	9.20m	9.20m	
Load, kg	3200kg	2714kg	

Line Pull Test

OK

03

	Rated Capacity Indicator	Measured
Load, kg	4300kg	4300kg

Winch Brake Test

OK

	Rated Capacity Indicator Measured		
Load, kg	4300kg	4300kg	

Overload Warning Lights and Alarms OK Rated Capacity Limiter Fitted (Overload OK Limiter)

Additional Comments on Functional Tests - Main Winch LINE PULL AND STABILITY LOAD TEST TO BE COMPLETED AFTER REAIRS CARRIED OUT

CRACK INSPECTION

No Cracks Detected

OK

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

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ADDITIONAL ANNUAL INSPECTIONS STIPULATED BY THE MANUFACTURER

TEREX BULLETINS

ΟK **OK - NIL OUTSTANDING**

SITE REQUIREMENTS - NA

APPENDICES CRANE





Model

Serial Number

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Lower Hours

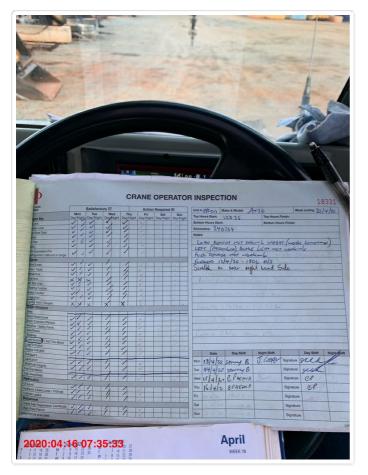




Kilometers

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ASSESSMENT



MAKE: TEREX ASSET: PPSOIL		CE CHECKLIST MODEL: AT20 REGO: 62.7 - RXV	
DATE: 9-12-19 HRS/KMS: 10,984		LOCATION: SWO	••
		DESCRIPTION: Frames	•
	2	report any faults in the notes	
Change oil and filter	ÝN	Change fuel filter	() N
Change/check coolant>	() N	Check fan belts	(Y) N
Replace air filter	(Y) N	Check battery (water level)	(D) N
Checto/adjust brakes and clutch	(D) N	Check tyres for ware/damage and pre	ssure 🕢 N
Test emergency stop	(DN	Check clutch, brake and power steering	ng fluid (Y) N
Test battery isolator	ØN	Check radiator (leaks/condition)	() N
Check for oil leaks	() N	Any exterior damage	ÝN
Fire extinguisher (in date)	Ø N	Pre-start book	() N
Test air conditioning	() N	Test all lights (inc beacon & reverse ala	
Check wiring (loose connections)	ØN	Grease vehicle	(Y) N
First aid kit	ØN	Spare tyre, jack, triangles and wheel ch	ocks (P)N
Check and grease slew ring	() N	Check and grease	
OIL FILTER: FUEL FI	LTER:	AIR FILTER:	
Candeled 500h Service	t challis	ŧ	
hipping the athy aloke			
NEXT SERVICE DUE: 11,234 hrs .			
SERVICE COMPLETED BY: Dean Jou	3	SIGN: PECIL	
2020:04:22 05:19:21			

Log Book VARIOUS NOTES IN PRE STARTS, RECOMMEND TO INVESTIGATE

Maintenance Records

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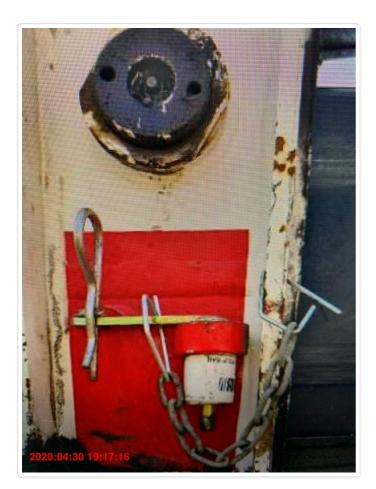
BOOM AND ATTACHMENTS



No. 1 Section RECOMMEND TO INVESTIGATE GOUGING ON UNDERSIDE 1ST EXTENSION WEAR PADS

© The Crane Industry Council of Australia 2009



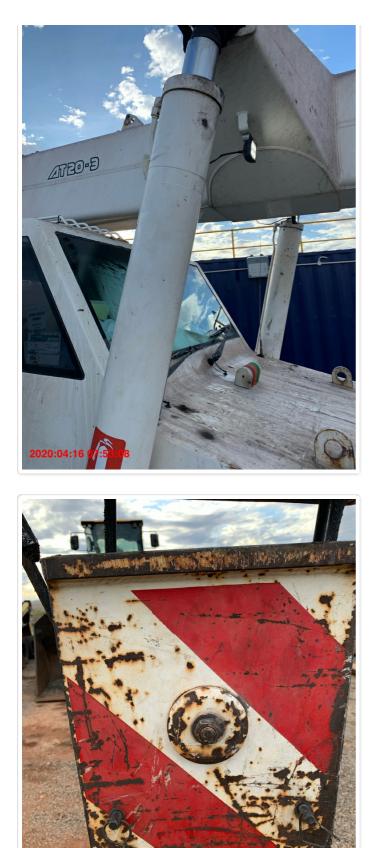




Idler Sheave and Bearing

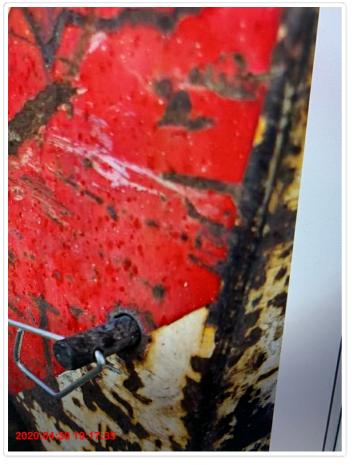
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Boom Lift Cylinders



Description





Manufacturers Identification

Sheaves and Bearings

© The Crane Industry Council of Australia 2009





Description

Manufacturers Identification

Additional



FRAME AND CABIN



Counterweight Hazard Striping COUNTERWEIGHT HAZARD STRIPING FADING, REPLACE BEFORE NEXT INSPECTION

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Boom Mounting Pins





Decals / Signs - In English

© The Crane Industry Council of Australia 2009

Gauges



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DRIVE SYSTEMS



CHASSIS INSPECTION

Drive Coupling

Front Wheels and Tyres

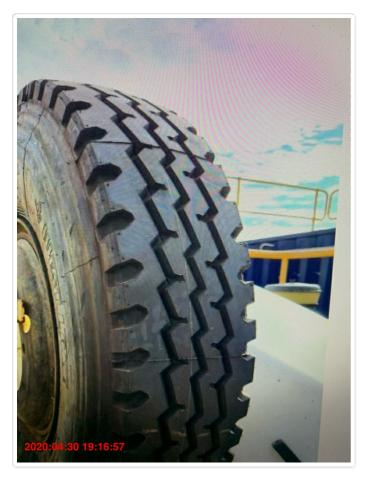


		140	0 x 20 CL908	HANDLEND CONTRACTOR OF THE OWNER	
Halls- Hall			PECIFICATIONS		
STATES OF					
Conc	lition	Speed			
	Carry	<1.44km/h	10500 kg per tyre at 1	Rating	
	nway	80 km/h	3050 kg per tyre at 90		-
		TYRE IN	FLATION CHART		
Position	0	Construction	Cold Inflation	Pressure - psi	-
			Pick & Carry	Highway Travel	
Front		14.00 x 20	120	120	
Rear	Constanting of the second	14.00 x 20	90	90	
RUBBER Pick & Ca ald the tyr Australia	6km/h, as eration car GOURP CC arry and hi e pressure Tyre and F	s shown above in n increase up to 1 0. LTD confirms a ighway condition. e exceed 150psi or Rim Association b	the load rating section 50psi from the Cokl In nd guarantees the tyre In hot climate conditio after 2 hours of highw ook the cranes built by	of the specification. F flation pressure settin es performance and s ons it is recommended ay operation. 7 Terex / Franna Cran	ing of 120p safety up led to rest h anes, We ar
RUBBER Pick & Ci uld the tyr Australia Jarantee t in the sp test we a on and De brand for	6km/h, as eration car GOURP CC arry and hi e pressure Tyre and F he above t ecification are well wi partment o 14.00-20-2	s shown above in n increase up to 1 0. LTD confirms a ighway condition. exceed 150psi or Rim Association b tyres on the Teres book and the sp bithin the limits of f Transport. 20 CL908 incukles (the load rating section 50psi from the Cold In nd guarantees the tyre In hot climate conditio after 2 hours of highw	of the specification. F flation pressure settin es performance and s ons it is recommender ay operation. Terex / Franna Cran r correct rim size and wall of the above tyr hority, Australia Tyre	Hot inflation ing of 120p safety up led to rest h anes, We ar nd pressur yres. As the
E RUBBER r Pick & Ci uld the tyr e Australia uarantee t in the sp n test we a ion and De brand for 使橡胶集	.6km/h, as eration car GOURP CC arry and hi e pressure Tyre and F he above t ecification are well wi partment o	s shown above in n increase up to 1 O. UTD confirms a ighway condition. exceed 150psi or Rim Association b yres on the Teres book and the sp thin the limits of of Transport. 20 CL908 incukes (公司	the load rating section 50psi from the Coki In nd guarantees the tyrc In hot climate conditi after 2 hours of highw ook the cranes built (/ Frana Cranes with ecification on the side the National Road Aut	of the specification. F flation pressure settin es performance and s ons it is recommender ay operation. Terex / Franna Cran r correct rim size and wall of the above tyr hority, Australia Tyre	. Hot inflati ing of 120p safety up led to rest h anes, We ar nd pressur yres. As th re and Rim:

Front Wheels and Tyres CERTIFICATE SUPPLIED BY TURE MANUFACTURER STATING COMPLIANCE WITH TETEX LOAD CHARTS

© The Crane Industry Council of Australia 2009

Rear Wheels and Tyres VALVE EXTENSIONS FITTED AND PRESSURES CORRECT



Spare Wheel

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2020:04:16 08:35:23

Articulation Joint

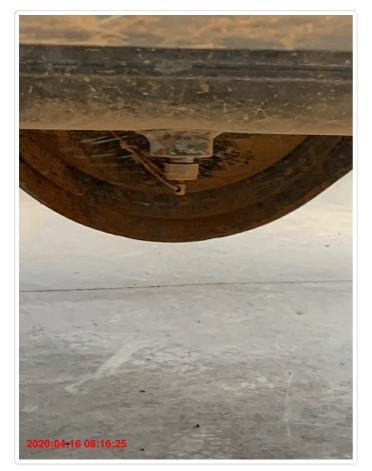
HYDRAULIC SYSTEM



Steering Cylinder

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AIR SYSTEMS



ELECTRICAL SYSTEMS



Drain Valves

Head Lights

Tail Lights

Stop Lights

New rear lights installed



New rear lights installed



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Directional Indicators

New rear lights installed

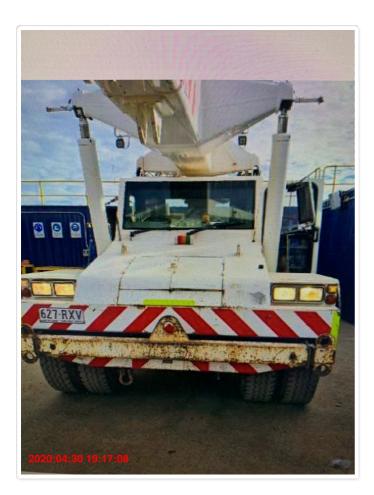




Work Lights

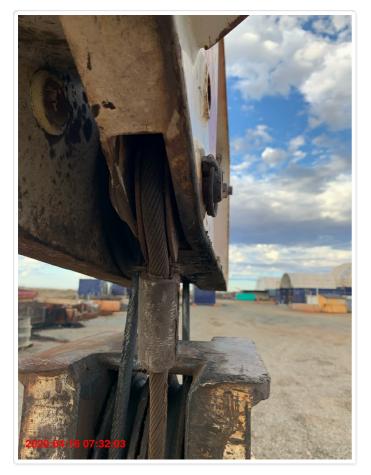
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Clearance Lights



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MAIN WINCH



FUNCTIONAL TESTS - MAIN WINCH

Correct Assembly and Connection of Hoist Rope Anchor





Load Chart Reference Number

Rated Load - Boom Fully Extended - Load Measured LOAD EXCESS OF RCI

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No. AC A 147500-11 Rated Load - Boom Fully Extended - Load Measured



© The Crane Industry Council of Australia 2009

Line Pull Test - Load RCI



© The Crane Industry Council of Australia 2009

Line Pull Test - Load Measured



© The Crane Industry Council of Australia 2009



Accreditation no. 19898

Certificate No: NSW147500



CERTIFICATE OF ANNUAL INSPECTION AND TESTING Articulated Mobile Crane

Inspection Date: 01/05/20

Renewal Date: 01/05/2021

Issued Date: 04/05/2020

Location of Inspection: CAPE PRESTON

Crane Owner: C & C Construction Services

Address: 1 Sir Henry Parkes Avenue MEDOWIE, 2318, NSW, Australia

Crane Make: Franna Crane Model: AT 20 Crane Serial Number: 4601 YOM: 2011 Hours: 12069



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

Codes of Practice Manufacturer's Instructions.

Inspection Comments:

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:

CraneSafe Assessor No:: WA1098

Printed Name: Clint Johnston

CraneSafe Assessment No: AC A 147500-11

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Accreditation no. 19898

Certificate No: NSW147500

Crane**Safe**

LOAD INDICATOR CERTIFICATION

Articulated Mobile Crane

Annual Inspection Date: 04/05/2020 Crane Owner: C & C Construction Services Address: 1 Sir Henry Parkes Avenue MEDOWIE, 2318, NSW, Australia

Crane Make: Franna Crane Serial Number: 4601

Rated Capacity Indicator (RCI) Load Chart Reference Number Printed Chart - No Load

03

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	48.00	48.10
Boom Length, m	13.85	13.80
Radius, m	7.00	7.00
Load, kg	3,950.00	3,900.00

Rated Capacity Limiter (RCL)

Load Chart Reference Number Rated Load - Boom Fully Extended

Rated Load in Stability

Winch Brake Test

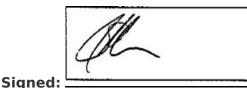
	Rated Capacity Indicator	Measured		Rated Capacity Indicator	Measured
Radius, m	9.20	9.20	Radius, m	9.20	9.20
Load, kg	3,200.00	2,714.00	Load, kg	3,200.00	2,714.00

03

Line Pull Test

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



CraneSafe Assessor No:: WA1098

Printed Name: Clint Johnston

CraneSafe Assessment No: AC A 147500-11

Issued Date:: 04/05/2020

Accredited for compliance with ISO/IEC 17020

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Crane Model: AT 20 YOM: 2011 Hours: 12069

SUPPORTING INFORMATION