



CraneSafe®

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

Accreditation no. 19898

ALL TERRAIN CRANE *Annual Report*

Company	C & C Construction Services	ABN	82 780 055 822
Address	1 Sir Henry Parkes Avenue MEDOWIE	Representative	Mr Peter Ritters
State	NSW	Phone	0419762507
Postcode	2318	Email	pritters@cccs.net.au

Make	Tadano
Model	ATF 90G-4
Serial Number	2145015
Plant Number	043
Year of Manufacture	2011
Design Registration Number	CR6-152099/11
Plant Registration	NOT PRESENTED AT
Road Registration	151 RWZ
Max Load	90000kg
Number of Axles	4
Lower Hours	957
Upper Hours	6655
Kilometers	9426



Country where assessed	Australia	State	NSW
Operators Manual in English	OK		
Log Book	OK		
Maintenance Records	OK - service reports available		
Crane Safety Manual	No		

Assessed By	Paul Kiem	Company	Paul's Crane Inspections
Reg. No.	NSW1039	Address	P O Box 221 KURRI KURRI
Phone	0438 667 480	State	NSW
Email	paul@paulscraneinspections.com.au	Postcode	2327

Initial Inspection Date	01/07/2020	Issued Date	06/07/2020
		Expiry Date	03/07/2021

Conforms to Checklist Yes

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

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BOOM AND ATTACHMENTS

Base Section	OK
No. 1 Section	OK
No. 2 Section	OK
No. 3 Section	OK
No. 4 Section	OK
No. 5 Section	OK
Additional Sections	N/A
Head Sheaves and bearings	OK
Idler Sheave and Bearing	OK
Rooster Sheave and Bearing	N/A
Extension / Fly Jib Mounts	N/A
Shimming and Alignment	OK - main boom
Boom Lift Cylinders	OK
Lock Valve(s)	OK
Extension Cylinders	OK
Lock Valve(s)	OK
Extend Ropes / Chains	N/A
Retract Ropes / Chains	N/A
Boom Length Recoil Drum(s)	OK
Mechanical Boom Angle Indicator	OK
Fixed Jib	N/A
Luffing Jib(s)	N/A
Masts	N/A
Suspension Ropes	N/A
Suspension Straps / Tubes	N/A
Load Cell	N/A
Recoil Drums	N/A
Superlift	N/A
Superlift Winch	N/A
Superlift Winch Brakes	N/A
Boom / Attachments / Electrics	N/A
Proximity Switches	N/A
Boom Pinning System	OK
Extension / Fly Jib	N/A
Sheaves and Bearings	N/A
Anemometer	N/A
<i>ANTI-TWO BLOCKS</i>	
Boom Head	OK
Rooster Sheave	N/A
Extension / Fly	N/A
<i>HOOK BLOCKS - WITH CRANE</i>	
Description	1 x 6T Hook supplied for testing - OEM Markings confirmed.
Type	
Manufacturers Identification	OK - 7755917
Branded WLL (kg)	OK 6000kg
Safety Latches	OK
Sheaves and Bearings	N/A
Swivel	OK
Branded with Tare Weight (kg)	OK 150kg
<i>HOOK BLOCKS - WITH CRANE No. 2</i>	
Description	1 x 40T Hook-Block supplied for testing - OEM Markings confirmed.
Type	
Manufacturers Identification	OK - 7020873
Branded WLL (kg)	OK 40000kg
Safety Latches	OK
Sheaves and Bearings	OK - 3 Sheaves
Swivel	OK
Branded with Tare Weight (kg)	OK 550kg

Additional Comments on Boom and Attachments

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

REVOLVING FRAME AND CABIN

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

Additional Comments on Revolving Frame and Cabin

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

SLEW SYSTEM

Slew Transmission & Oil Level	OK
Leaks	OK
Swing Brake	OK
Lock Valve(s)	OK
House Lock	OK
Slew Pinion	OK
Slew Gear	OK
Slewing Ring	OK
Base Weld	OK
Smooth Operation	OK
Rotary Coupling	OK
Slew Bolts	OK
Excessive Bearing Play	OK
Excessive Backlash	OK
Electrical Swivel	OK

Additional Comments on Slew System

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

MAIN WINCH

Winch Condition & Oil Level	OK
Leaks	OK
Rope Spooling	OK
Mounts	OK
Brake Caliper and Disc	N/A
Friction Pads	OK
Brake Operation	OK
Drum Turn Indicator	OK
Main Wire Rope	OK
Rope Socket and Pins	OK
Correct Assembly and Connection of Hoist Rope Socket	OK
Drum Locking Pawl Mechanism	N/A
Clutch Linings and Cylinder Protection	N/A

Additional Comments on Main Winch

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

AUXILIARY WINCH - NA

[[reportTextBelow]]

HYDRAULIC SYSTEM

Hydraulic Reservoir & Oil Level	OK
Return Filters and Housing	OK
Suction Lines and Hoses	OK
Oil Cooler(s)	OK
Main Pump(s)	OK
Slew Pump	OK
Steering Pump	OK
Pilot Pump	OK
Relief Valves	OK
Pressure Filter and Housing	N/A
Slew Motor	OK
Slew Valve	OK
Main Winch Motor	OK
Auxiliary Winch Motor	N/A
Main Winch Valve	OK
Auxiliary Winch Valve	N/A
Boom Lift Valve	OK
Boom Extension Valve	OK
Pressure Lines and Hoses	OK
Power Steering Cylinders	OK
Vertical Outrigger Cylinders	OK
Horizontal Outrigger Cylinders	OK
Outrigger Control Valves	OK
Outrigger Lock Valves	OK
Counterweight Lift Cylinder	OK

Additional Comments on Hydraulic System

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

AIR SYSTEMS

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

Additional Comments on Air Systems

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

CHASSIS INSPECTION

Frame	OK
Suspension System	OK
Steering Components	OK
Driving Axles	OK
Non Driving Axles	OK
Differentials	OK
Planetary Drives	OK
Drive Lines	OK
Brake(s)	OK
Parking Brake	OK
Outrigger Boxes	OK
Outrigger Beams	OK
Outrigger Pads	OK
Markings For Alternate Outrigger Widths	OK
Outrigger Hazard Striping	OK
Sheet Metal / Guards	OK
Decals / Signs - In English	OK
Doors and Locks	OK
Outrigger Controls and Labeling	OK
Axle Levelling for Road Travel	OK
Crane Levelling System	OK
Condition of Tyres	OK
Appropriate Earthing	N/A - Alternative earthing system of 16mm loose link chain is recommended or the owner's discretion.
Earth Strap	N/A
Fire Extinguisher	OK

Additional Comments on Chassis Inspection

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

ELECTRICAL SYSTEMS

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

Additional Comments on Electrical Systems

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

DRIVE SYSTEMS

Radiator & Coolant Level	OK
Radiator Hoses	OK
Fan	OK
Fan Guard	OK
Oil Cooler(s)	OK
Fuel Lines	OK
Throttle	OK
Engine Mounts	OK
Power Transmission Belts	OK
Muffler / Spark Arrestor	OK
Engine Oil Pressure & Oil Level	OK
Abnormal Engine Noises	OK
Fuel Tank & Diesel Level	OK
Power Shift / Range Shift	OK
Drive Coupling	OK
Transmission Noise	OK
Leaks	OK
Pump Drives	OK
Pump Disconnects (PTO)	OK
Output Coupling	OK
Engine Braking	OK
Transmission Retarder	OK
Telma Brake	OK
ABS Brakes	N/A

Additional Comments on Drive Systems

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

SUPERSTRUCTURE DRIVE SYSTEM

Radiator & Coolant Level	OK
Radiator Hoses	OK
Fan	OK
Fan Guard	OK
Oil Cooler(s)	OK
Fuel Lines	OK
Throttle	OK
Engine Mounts	OK
Power Transmission Belts	OK
Muffler / Spark Arrestor	OK
Engine Oil Pressure & Oil Level	OK
Abnormal Engine Noises	OK
Fuel Tank & Diesel Level	OK
Drive Coupling	OK
Leaks	OK
Pump Drives	OK
Pump Disconnects (PTO)	OK
Output Coupling	OK

Additional Comments on Superstructure Drive System

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

CARRIER CABIN

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

Additional Comments on Carrier Cabin

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

FUNCTIONAL TESTS - MAIN WINCH*Rated Capacity Indicator (RCI)*

Load Chart Reference Number

Printed Chart - No Load

Tadano Faun ATF90G-4 Load charts

OK - RCI (Computer) and the printed charts compared within acceptable tolerances

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	78.00°	78.10°
Boom Length, m	51.20m	51.20m
Radius, m	10.00m	10.30m
Load, kg	8900kg	8900kg

RCI Load Charts

75%

Rated Capacity Limiter (RCL)

Load Chart Reference Number

Rated Load - Boom Fully Extended

Duty code 5500 Kg counterweight

OK - RCL Safety devices activated at acceptable tolerances

	Rated Capacity Indicator	Measured
Radius, m	18.00m	18.00m
Load, kg	5400kg	5065kg

Rated Load in Stability

OK - Same weights used plus visually compared stability limits in various other positions

	Rated Capacity Indicator	Measured
Radius, m	18.00m	18.00m
Load, kg	5400kg	5065kg

Line Pull Test

N/A

Winch Brake Test

N/A

Overload Warning Lights and Alarms

OK

Rated Capacity Limiter Fitted (Overload Limiter)

OK

Additional Comments on Functional Tests - Main Winch

All items marked OK either functioned and/or appeared satisfactory for continued use. experienced crane crews should confirm daily visual and audible Pre-start checks. No faults or problems discussed at the time of inspection.

FUNCTIONAL TESTS - AUXILIARY WINCH - NA

[[reportTextBelow]]

CRACK INSPECTION

No Cracks Detected

OK

Additional Comments on Crack Inspection

Annual mandatory third-party inspection completed. Visual crack inspection carried out during and after the load testing. No visible or recorded cracks or distortions were found.

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

ADDITIONAL ANNUAL INSPECTIONS STIPULATED BY THE MANUFACTURER

This report is; OK

SITE REQUIREMENTS

FNC Lisarow
limited by other site functions OK - no issues recorded. safety items confirmed

APPENDICES CRANE



Model

This unit as presented 1-7-2020

General presentation satisfactory.

All items marked OK either functioned and/or appeared satisfactory for continued use.

visible Issues or Faults are noted; - No Pre-recorded faults were Logged.



Serial Number



Lower Hours

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Upper Hours



Kilometers



Road Registration

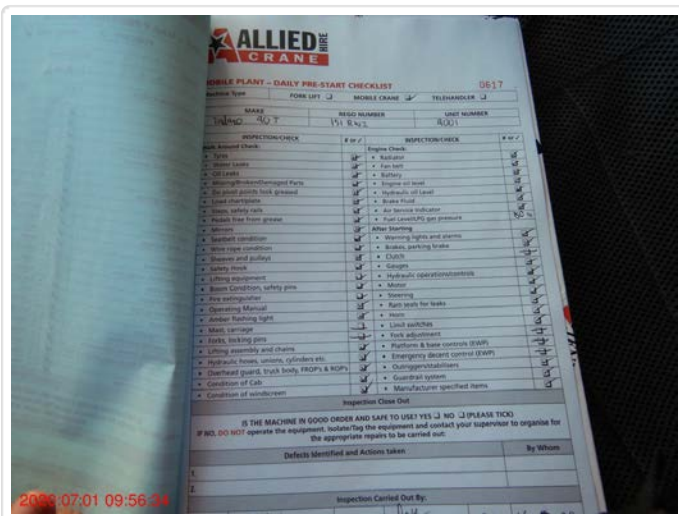


ASSESSMENT

English Operators Manual



Log Book
noted no faults logged by drivers or mentioned at the time of inspection



BOOM AND ATTACHMENTS

Description



Manufacturers Identification



Description



Manufacturers Identification



REVOLVING FRAME AND CABIN

Air Conditioner



SLEW SYSTEM

Slew Gear



MAIN WINCH

Main Wire Rope



Correct Assembly and Connection of Hoist Rope Socket



HYDRAULIC SYSTEM

Slew Motor



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AIR SYSTEMS

Drain Valves



Air Dryer



CHASSIS INSPECTION

Suspension System



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ELECTRICAL SYSTEMS



Clearance Lights
all lights including clearance lights confirmed

DRIVE SYSTEMS



Engine Braking

SUPERSTRUCTURE DRIVE SYSTEM



Muffler / Spark Arrestor

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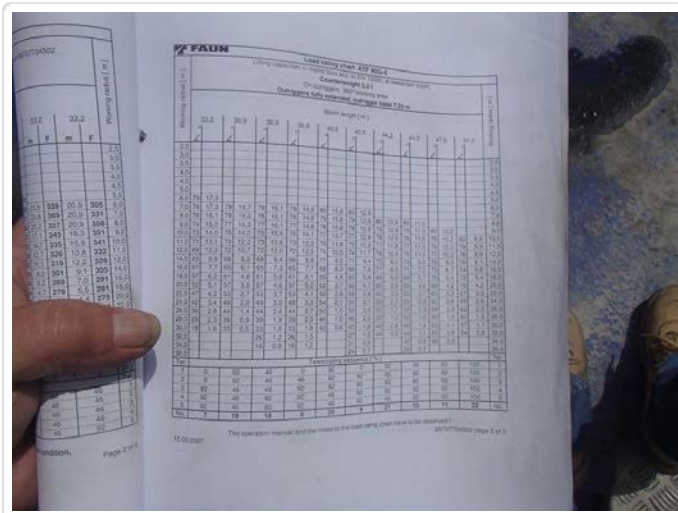
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CARRIER CABIN



Gauges

FUNCTIONAL TESTS - MAIN WINCH



Load Chart Reference Number
Full set of load charts available.
applicable chart for function testing attached.
other duties visually confirmed to the RCI (Computer)



Printed Chart - No Load

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Rated Load - Boom Fully Extended - Load RCI



Rated Load - Boom Fully Extended - Load Measured
MRC = 5600 Kg
est weight = 5065 Kg + 550 Kg rigging.
total load when the RCL safety devices activated = 5600 Kg
RCI displayed 6000 Kg





Certificate No: NSW149482

CraneSafe®

Accreditation no. 19898

CERTIFICATE OF ANNUAL INSPECTION AND TESTING

All Terrain Crane

Inspection Date: 01/07/20

Renewal Date: 03/07/2021

Issued Date: 06/07/2020

Location of Inspection: Lisarow

Crane Owner: C & C Construction Services

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

Crane Make: Tadano

Crane Model: ATF 90G-4

Crane Serial Number: 2145015

YOM: 2011

Hours: 6655

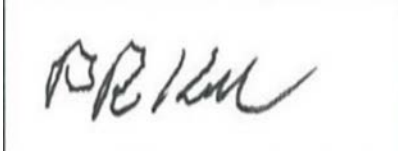


Inspection in accordance with: AS2550.1 & AS2550.5 EN (FEM&ISO) JIS

Codes of Practice Manufacturer's Instructions.

Inspection Comments: General presentation satisfactory. All items marked OK either functioned and/or appeared satisfactory for continued use. visible Issues or Faults are noted; - No Pre-recorded faults were Logged.

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: Paul Kiem

CraneSafe Assessor No.: NSW1039

CraneSafe Assessment No: ATC A 149482-10

Accredited for compliance with ISO/IEC 17020

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Certificate No: NSW149482

CraneSafe®

Accreditation no. 19898

LOAD INDICATOR CERTIFICATION
All Terrain Crane

Annual Inspection Date: 06/07/2020

Crane Owner: C & C Construction Services

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

Crane Make: Tadano

Crane Model: ATF 90G-4

Crane Serial Number: 2145015

YOM: 2011 **Hours:** 6655

Rated Capacity Indicator (RCI)

Load Chart Reference Number

Tadano Faun ATF90G-4 Load charts

Printed Chart - No Load

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	78.00	78.10
Boom Length, m	51.20	51.20
Radius, m	10.00	10.30
Load, kg	8,900.00	8,900.00

Rated Capacity Limiter (RCL)

Load Chart Reference Number

Duty code 5500 Kg counterweight

Rated Load - Boom Fully Extended

Rated Load in Stability

	Rated Capacity Indicator	Measured
Radius, m	18.00	18.00
Load, kg	5,400.00	5,065.00

	Rated Capacity Indicator	Measured
Radius, m	18.00	18.00
Load, kg	5,400.00	5,065.00

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: Paul Kiem

CraneSafe Assessor No.: NSW1039

CraneSafe Assessment No: ATC A 149482-10

Issued Date: 06/07/2020

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SUPPORTING INFORMATION