



CraneSafe®

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

Accreditation no. 19898

ALL TERRAIN CRANE *Annual Report*

Company	Allied Hire Pty Ltd	ABN	64 169 383 662
Address	1 Sir Henry Parkes Avenue MEDOWIE	Representative	Peter Ritters
State	NSW	Phone	0419 762 507
Postcode	2318	Email	pritters@cccs.net.au

Make	Grove
Model	GMK 5130-2
Serial Number	5130 3311
Plant Number	N/A
Year of Manufacture	2011
Design Registration Number	NOT AVAILABLE AT
TIME OF INSPECTION.	
Plant Registration	N/A
Road Registration	1LK5KC
Max Load	130000kg
Number of Axles	5
Lower Hours	3354
Upper Hours	6460
Kilometers	80639



Country where assessed	Australia	State	VIC
Operators Manual in English	OK		
Log Book	OK		
Maintenance Records	REMEDIED		
Crane Safety Manual	No		

Assessed By	Shayne Tronconi	Company	SLT Crane & Equipment
Reg. No.	VIC1120	Address	PO Box 5795 WANTIRNA SOUTH
Phone	0416 165 650	State	VIC
Email	shayne@sltcrane.com	Postcode	3152

Initial Inspection Date	19/11/2019	Issued Date	19/03/2020
Re-Inspection Date	10/03/2020	Expiry Date	10/03/2021

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 - NA

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 - All boom sections dry.
No. 3 Section	OK
No. 4 Section	OK
No. 5 Section	OK
Additional Sections	N/A
Head Sheaves and bearings	REMEDIED - Build up of grease in multiple sheaves.
Idler Sheave and Bearing	REMEDIED - Excess build up of rope grease on main idler sheave.
Rooster Sheave and Bearing	OK
Extension / Fly Jib Mounts	OK
Shimming and Alignment	OK
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	N/A
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	N/A
Extension / Fly Jib	OK - Fly hose reel hoses losing protective sheathing.
Sheaves and Bearings	OK
Anemometer	OK
<i>ANTI-TWO BLOCKS</i>	
Boom Head	OK
Rooster Sheave	OK
Extension / Fly	N/A
<i>HOOK BLOCKS - WITH CRANE</i>	
Description	Single Sheave Hook
Type	
Manufacturers Identification	OK - R27327
Branded WLL (kg)	OK 20000kg
Safety Latches	OK
Sheaves and Bearings	OK - 1
Swivel	OK
Branded with Tare Weight (kg)	OK 325kg
<i>HOOK BLOCKS - WITH CRANE No. 2</i>	
Description	Auxiliary Hook Block
Type	
Manufacturers Identification	NOT OK - REM - ID plate missing. REM:3188065
Branded WLL (kg)	OK 8000kg
Safety Latches	OK
Sheaves and Bearings	N/A
Swivel	OK
Branded with Tare Weight (kg)	NOT OK - REM 1kg

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	REMEDIED - Control decals missing.
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 - Electronic
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

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	N/A
Slew Bolts	OK
Excessive Bearing Play	OK
Excessive Backlash	OK
Electrical Swivel	OK

MAIN WINCH

Winch Condition & Oil Level	OK
Leaks	OK
Rope Spooling	OK
Mounts	OK
Brake Caliper and Disc	N/A
Friction Pads	N/A
Brake Operation	OK
Drum Turn Indicator	OK
Main Wire Rope	REMEDIED - Wire rope damaged in multiple sections.
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

AUXILIARY WINCH

Winch Condition & Oil Level	OK
Leaks	OK
Rope Spooling	OK
Mounts	OK
Brake Caliper and Disc	N/A
Friction Pads	N/A
Brake Operation	OK
Drum Turn Indicator	OK
Auxiliary 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

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	OK
Slew Motor	OK
Slew Valve	OK
Main Winch Motor	OK
Auxiliary Winch Motor	OK
Main Winch Valve	OK
Auxiliary Winch Valve	OK
Boom Lift Valve	OK
Boom Extension Valve	OK
Pressure Lines and Hoses	OK
Power Steering Cylinders	OK
Vertical Outrigger Cylinders	OK - Front left cylinder appears to be leaking. Suggest washing area and monitoring.
Horizontal Outrigger Cylinders	OK
Outrigger Control Valves	OK
Outrigger Lock Valves	REMEDIED - Pressure sensor in rear right damaged.
Counterweight Lift Cylinder	OK - Possible minor oil leak from cylinders. Suggest washing area and monitoring.

AIR SYSTEMS

Compressor	OK
Air Reservoirs	OK
Drain Valves	OK
Air Lines	OK
Brake Chambers	OK
Brake Valves	OK
Air Cylinders	N/A
Air Dryer	OK

CHASSIS INSPECTION

Frame	OK
Suspension System	OK
Steering Components	OK
Driving Axles	OK
Non Driving Axles	OK
Differentials	OK - Minor oil leak from 4th axle pinion seal.
Planetary Drives	OK
Drive Lines	OK
Brake(s)	OK
Parking Brake	OK
Outrigger Boxes	OK
Outrigger Beams	OK
Outrigger Pads	OK - Brackets slightly bent.
Markings For Alternate Outrigger Widths	OK
Outrigger Hazard Striping	OK
Sheet Metal / Guards	OK
Decals / Signs - In English	OK - SWL instead of MRC as required.
Doors and Locks	OK
Outrigger Controls and Labeling	OK
Axle Levelling for Road Travel	OK
Crane Levelling System	OK
Condition of Tyres	OK - Heavy scrubbing/scalloping on L/H 1st axle tyre.
Appropriate Earthing	N/A
Earth Strap	REMEDIED - No earth chain fitted
Fire Extinguisher	OK - Charged but no current test.

ELECTRICAL SYSTEMS

Battery Box	OK
Battery Cables	OK
Battery Isolator	OK
Starter	OK
Head Lights	OK
Tail Lights	REMEDIED - L/H tail light broken and not working.
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

DRIVE SYSTEMS

Radiator & Coolant Level	OK
Radiator Hoses	OK
Fan	OK
Fan Guard	OK
Oil Cooler(s)	N/A
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	N/A
Transmission Retarder	N/A
Telma Brake	OK
ABS Brakes	N/A

SUPERSTRUCTURE DRIVE SYSTEM

Radiator & Coolant Level	OK
Radiator Hoses	OK
Fan	OK
Fan Guard	N/A
Oil Cooler(s)	N/A
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	N/A
Leaks	OK - Minor leak from pump.
Pump Drives	OK - Direct Drive
Pump Disconnects (PTO)	N/A
Output Coupling	N/A

CARRIER CABIN

Cab Glass and Mirrors	REMEDIED - Windscreen cracked and chipped.
Sheet Metal and Guarding	OK - Dent above windscreen.
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

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

Load Chart Reference Number 1200
 Printed Chart - No Load OK

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	N/A°	N/A°
Boom Length, m	60.00m	60.00m
Radius, m	16.00m	16.00m
Load, kg	7000kg	7000kg

RCI Load Charts 75%

Rated Capacity Limiter (RCL)

Load Chart Reference Number 1200
 Rated Load - Boom Fully Extended OK

	Rated Capacity Indicator	Measured
Radius, m	16.40m	16.30m
Load, kg	6900kg	5870kg

Rated Load in Stability OK

	Rated Capacity Indicator	Measured
Radius, m	16.40m	16.30m
Load, kg	6900kg	5870kg

Line Pull Test OK

	Rated Capacity Indicator	Measured
Load, kg	7100kg	7200kg

Winch Brake Test OK

	Rated Capacity Indicator	Measured
Load, kg	7100kg	7200kg

Overload Warning Lights and Alarms

REMEDIED - Overload lights can not be seen due to deterioration of light lens.

Rated Capacity Limiter Fitted (Overload Limiter)

OK

FUNCTIONAL TESTS - AUXILIARY WINCH

Load Chart Reference Number 1200
 Rated Load - Boom Fully Extended N/A
 Rated Load in Stability N/A
 Line Pull Test OK

	Rated Capacity Indicator	Measured
Load, kg	7100kg	7200kg

Winch Brake Test OK

	Rated Capacity Indicator	Measured
Load, kg	7100kg	7200kg

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

CRACK INSPECTION

No Cracks Detected REMEDIED - No NDT reports supplied.

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

ADDITIONAL ANNUAL INSPECTIONS STIPULATED BY THE MANUFACTURER - NA**SITE REQUIREMENTS - NA**

APPENDICES

CRANE

Model



Serial Number



Lower Hours



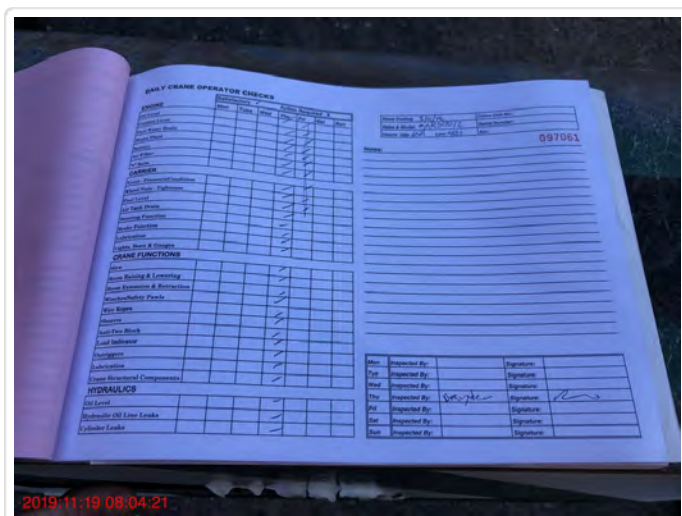
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Upper Hours

ASSESSMENT



Log Book

BOOM AND ATTACHMENTS



No. 1 Section

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No. 3 Section



No. 4 Section



No. 5 Section



Head Sheaves and bearings



Idler Sheave and Bearing



Rooster Sheave and Bearing



Extension / Fly Jib Mounts



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Boom Lift Cylinders



Extension Cylinders



Extension Cylinders



Extension Cylinders



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Extension / Fly Jib



Extension / Fly Jib



Extension / Fly Jib



Extension / Fly Jib



Description



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Manufacturers Identification



Description



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Manufacturers Identification



Branded with Tare Weight (kg)
Please see attached pictures.

REVOLVING FRAME AND CABIN



Counterweight Hazard Striping

Boom Mounting Lugs



Control Levers - Clearly Marked



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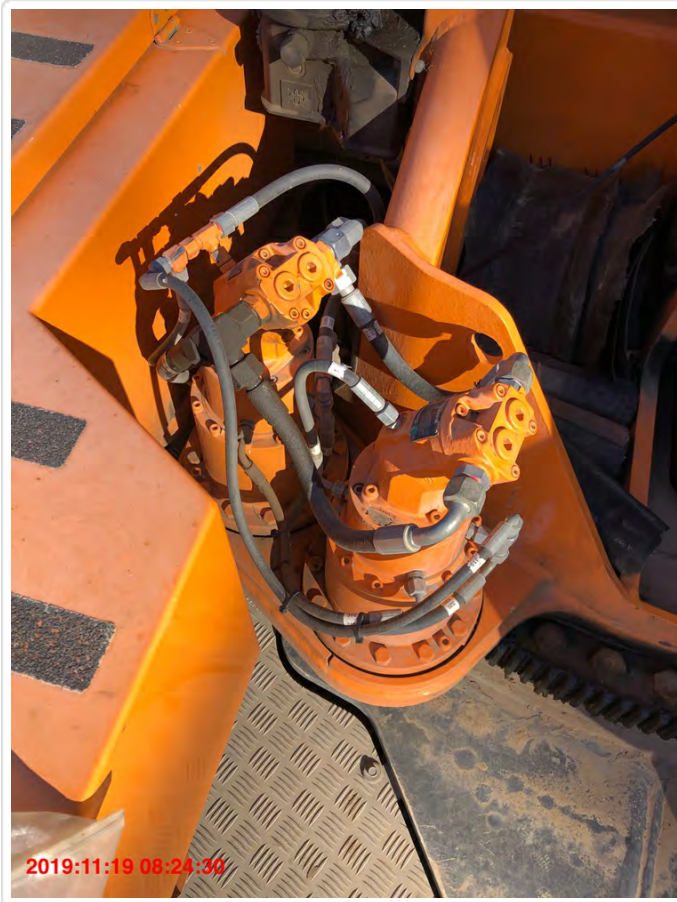
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Control Levers - Clearly Marked



SLEW SYSTEM

Slew Transmission



Smooth Operation



MAIN WINCH

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Winch Condition



Rope Spooling



Main Wire Rope



Rope Socket and Pins



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Correct Assembly and Connection of Hoist Rope Socket



AUXILIARY WINCH

Winch Condition



Rope Spooling



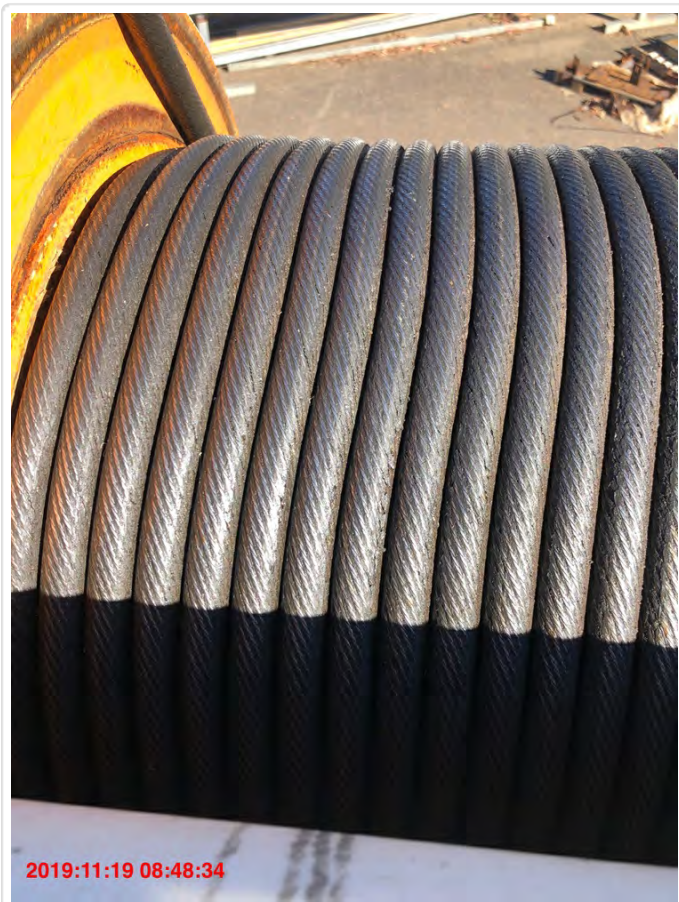
Rope Spooling



Auxiliary Wire Rope



Auxiliary Wire Rope



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Rope Socket and Pins



Correct Assembly and Connection of Hoist Rope Socket



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HYDRAULIC SYSTEM

Hydraulic Reservoir



Oil Cooler(s)

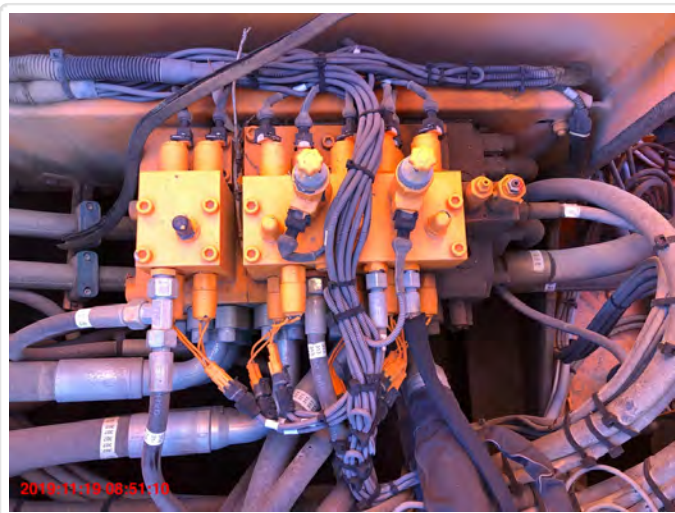


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Main Pump(s)



Relief Valves

Main Winch Motor



Auxiliary Winch Motor



Vertical Outrigger Cylinders



Horizontal Outrigger Cylinders



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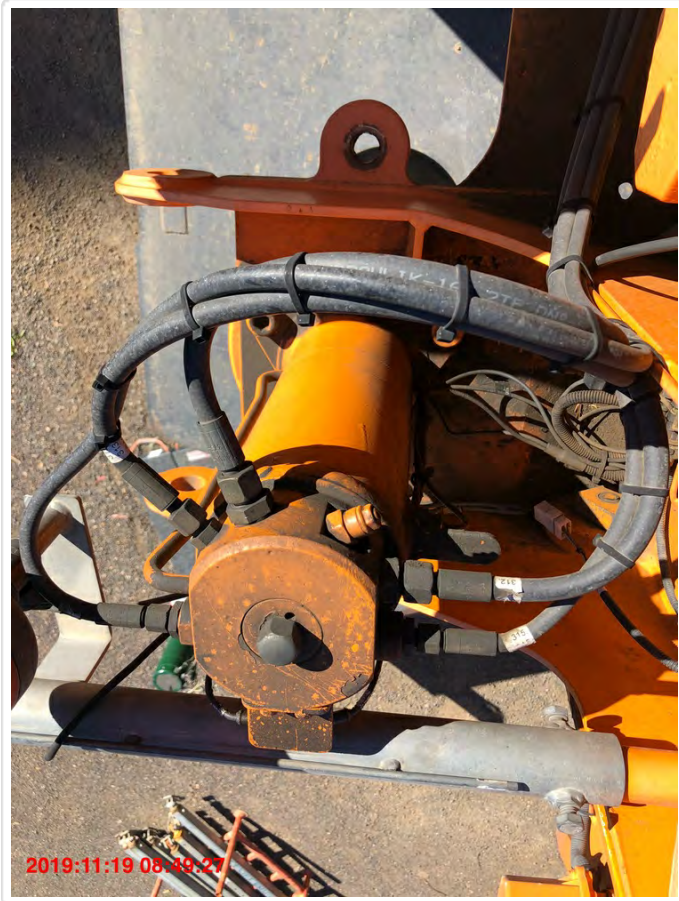
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Horizontal Outrigger Cylinders



Outrigger Lock Valves
Please see attached report.

Counterweight Lift Cylinder



Counterweight Lift Cylinder



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AIR SYSTEMS

Drain Valves
Please see attached pictures

CHASSIS INSPECTION

Suspension System
Please see attached pictures



Markings For Alternate Outrigger Widths



Markings For Alternate Outrigger Widths



Outrigger Controls and Labeling

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Outrigger Controls and Labeling



Condition of Tyres



Condition of Tyres



Condition of Tyres



Condition of Tyres



Condition of Tyres



Earth Strap



ELECTRICAL SYSTEMS

Tail Lights

Please see attached pictures.



Switches and Relays

DRIVE SYSTEMS

Radiator Hoses



Fuel Lines



SUPERSTRUCTURE DRIVE SYSTEM

Radiator



Fuel Lines



Power Transmission Belts



Abnormal Engine Noises



Leaks



CARRIER CABIN

Cab Glass and Mirrors



Throttle



FUNCTIONAL TESTS - MAIN WINCH

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Load Chart Reference Number

Lifting capacity charts acc. to EN 13000 (DIN / ISO) Main boom
3 172 850

Crane with 6 t counterweight
Outrigger base - length 7,850 m - width 7,850 m

	Main boom - fixed length in m				
	50.43	50.71	55.21	55.39	60.00
Tel. sec. I	0.00	1.00	0.50	1.00	1.00
Tel. sec. II	1.00	1.00	1.00	1.00	1.00
Tel. sec. III	1.00	1.00	1.00	1.00	1.00
Tel. sec. IV	1.00	0.50	1.00	1.00	1.00
Tel. sec. V	1.00	0.50	1.00	0.50	1.00
Slewing range	360°				
Radius in m	Lifting capacities in t				
7.0	13.5	16.0	11.0	11.6	10.0
8.0	13.5	16.0	11.0	11.6	10.0
9.0	13.5	16.0	11.0	11.6	10.0
10.0	13.5	14.9	11.0	11.6	10.0
11.0	13.5	12.9	11.0	11.6	10.0
12.0	13.1	11.2	11.0	11.2	10.0
13.0	11.9	9.8	11.0	9.9	10.0
14.0	10.7	8.6	9.8	8.7	8.9
15.0	9.5	7.6	8.8	7.7	7.9
16.0	8.6	6.6	7.9	6.8	7.0
18.0	7.0	5.1	6.3	5.3	5.6
20.0	5.8	3.9	5.1	4.1	4.4
22.0	4.7	2.9	4.1	3.2	3.4
24.0	3.9	2.0	3.3	2.3	2.6
26.0	3.1	1.3	2.6	1.6	2.0
28.0	2.5		2.0	1.0	1.4
30.0	2.0		1.5		
32.0	1.5		1.0		
34.0	1.0				
SLI Code	1200				
Max. permitted windspeed	12 m/s		10 m/s		

GMK 5130-2 3 177 044 en 2 - 169

2019-11-19 09:49:37

Rated Load - Boom Fully Extended - Load RCI



Rated Load - Boom Fully Extended - Load Measured



Rated Load - Boom Fully Extended - Load RCI



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Line Pull Test - Load RCI



Line Pull Test - Load Measured



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Overload Warning Lights and Alarms



FUNCTIONAL TESTS - AUXILIARY WINCH

Line Pull Test - Load RCI



Line Pull Test - Load Measured



MISCELLANEOUS

Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



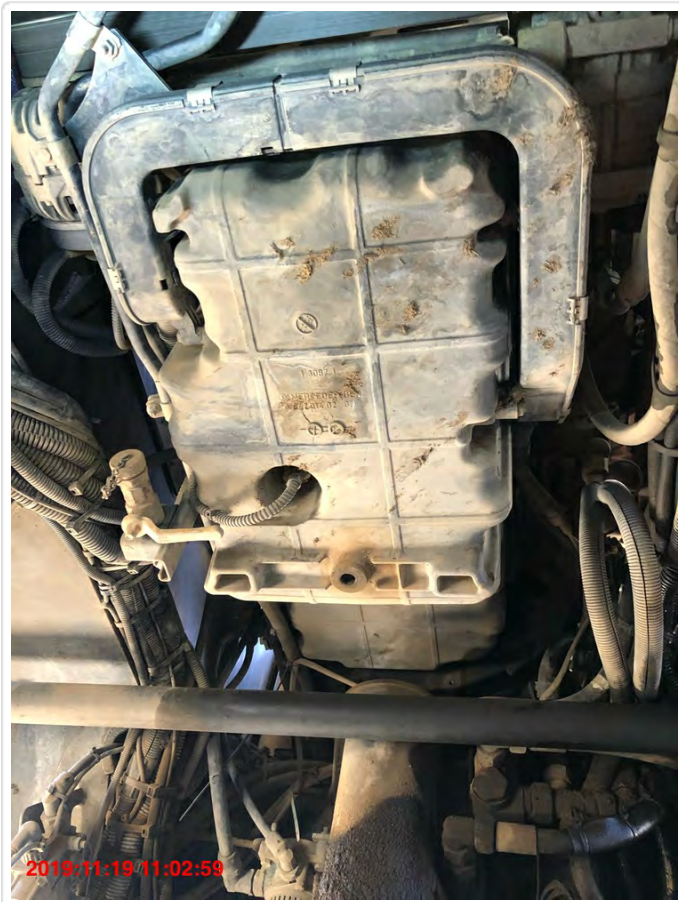
Miscellaneous



Miscellaneous



Miscellaneous



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Miscellaneous



Miscellaneous



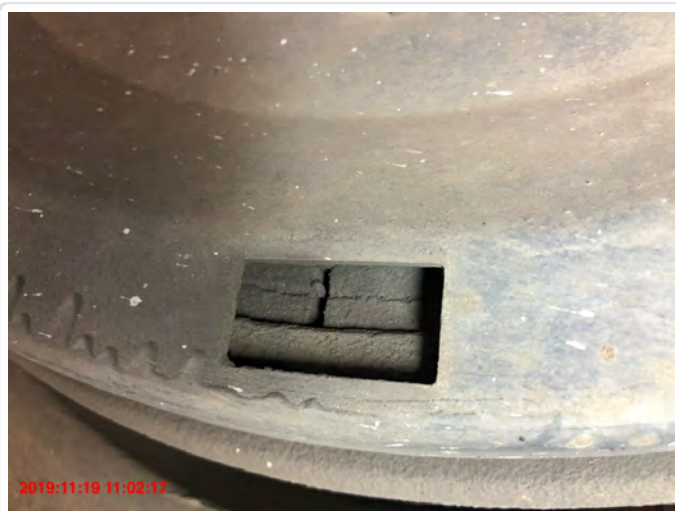
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Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



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Miscellaneous



Miscellaneous



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Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



Miscellaneous



TEST INSPECTION REPORT



Client:	JDM Diesel Services	Report No:	20-J041
Address:	675 Spur Road Clonbinane Victoria 3658	Inspection Date:	29/02/2020
		Test Site	27 Edwards Road Jackass Flat

Equipment Details			
Manufacturer:	Grove Manitowoc	Model:	GMK5130-2
Vehicle Registration:	1LK 5KC	Serial No:	51303311

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 – July 2011.

2 cracks were detected on the turret, cracks were subsequently repaired – refer to section 3

Authorised by:

Luke Machell
 AINDT/AS 3998
 UT, ET, RT, MT, PT Level 2

05 March 2020

2. LOCATIONS INSPECTED

An eddy current testing inspection was performed in accordance with ISO 17643-2015 to detect surface breaking cracks on 100% of accessible welds on the following locations;

- Boom collar welds
- Boom stiffener welds
- Boom tip welds
- Pinning hole reinforcing welds
- Turret welds
- Luffing cylinder welds and mount welds
- Winch mount welds
- Counterweight mount welds
- Boom butt area welds
- Outrigger welds
- Outrigger box welds
- Outrigger cylinder welds
- Slew ring weld
- Lifting/tiedown/tow lugs
- Fly jib stowage bracket welds
- Main hook surfaces and sheave block welds, block serial number: R27327
- Auxiliary hook surfaces and attachment weld, block serial number: TBA

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

- 10 off front outer slew ring bolts
- 8 off rear outer slew ring bolts
- 8 off front inner slew ring bolts
- 5 off rear inner slew ring bolts

3. RESULTS

1. One longitudinal centreline crack, approximately 70mm in length was detected on the left side of the turret external vertical weld. Refer to photos 19 & 21 for further details.
2. One longitudinal toe crack, approximately 20mm in length was detected on the right side of the turret external horizontal weld. Refer to photo 20 for further details.
3. No further crack-like indications were detected on the remaining welds tested.

4. INSPECTION DETAILS

Eddy Current Test Settings			
Test Standard:	ISO 17643-2015	Equipment:	IWel-001 s/n:508451/02
Acceptance Spec:	Nil cracks	Calibration Cert:	25/01/2019
Procedure No:	ET-01	Probe Serial #:	190301/900303
Material:	Carbon steel	Frequency:	100/100 kHz
Type of Joint:	Fillet & Butt Welds	Gain:	55/51 dB
Coating Type:	Non-conductive	Phase Angle:	190/190°
Coating Thickness:	<0.5mm	Cal Block:	EDM block s/n:Y08415
Heat Treatment:	Not Specified	Sensitivity:	1mm@50%, 2mm@80%
Material Thickness:	Not Specified	Surface Prep:	Cleaned
Welding Process:	Not Specified	Test Personnel:	Luke Machell
Test Restrictions:	Limited access to some welds due to component geometry		

Ultrasonic Test Settings			
Test Standard:	AS 1065-1988	Equipment:	USM 35XS
Acceptance Spec:	Record findings/Nil cracks	Serial No:	10145a
Procedure No:	UT-02	Probe Angle:	0°
Material:	Carbon steel	Serial No:	T034145
Surface Condition:	Machined/coated	Frequency:	5MHz
Surface < 6.3µm R_a	Yes	Cal Block:	FBH 6mmØ
Scanning Technique:	Complete coverage	Serial No:	UT-03/UT-05
Test Personnel:	Luke Machell		
Test Restrictions:	Nil		

5. PHOTOGRAPHS



Photo 1: Crane identification plate



Photo 2: Vehicle registration



Photo 3: Boom collars



Photo 4: Boom stiffener and butt area



Photo 5: Boom tip



Photo 6: Lower luff cylinder weld and mount



Photo 7: Internal turret and boom welds



Photo 8: Upper luff mount



Photo 9: Slew ring and outer slew bolts



Photo 10: Inner slew bolts



Photo 11: Winch sheave mount



Photo 12: Counterweight mount



Photo 13: Counterweight mount



Photo 14: Fly stowage bracket



Photo 15: Lifting lug



Photo 16: Outrigger



Photo 17: Outrigger box



Photo 18: Main and auxiliary hooks



Photo 19: Crack on right side turret weld

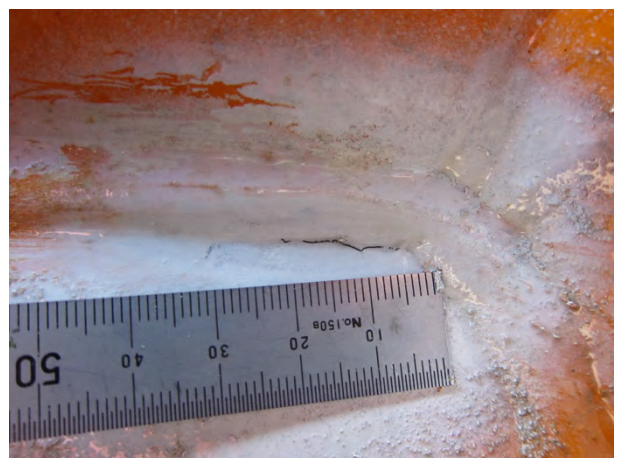


Photo 20: Crack on left side turret weld



Photo 21: Repaired turret weld



MOBILE CRANE SERVICE AND INSPECTION REPORT.

(This document has been formulated in accordance with manufacturers' recommendations)

Plant I.D No: Serial No. 51303311 Inspection Date 10/07/19
 Model Grove GMK 5130-2 Hours Carrier - 3285 Serviced by: JDM
S/S - 6300
 Place of inspection: Jackass Flat

ITEMS	CHECK	REMARKS	ITEMS	CHECK	REMARKS
Engine			Slewing brake lever	✓	P
Oil, fuel & water leakage, level contamination	/	P	Slewing brake master, function, operation	✓	
Fan belt: tension, damage	/		Slewing brake master cylinder	✓	
Radiator core	/		Safety Device		
Radiator cap condition	/		Drum lock lever	✓	P
Coolant, antifreezing, antirust	/		Drum lock click	✓	
Air cleaner element, cleaning	/		Slewing lock pin	✓	
Engine startability	/		Over hoisting detector wire rope	/	
Exhaust gas condition	/		Over hoisting detecting limiter switch	/	
Engine oil pressure	/		Alarm at over hoisting	/	
Air pressure	/		Irregular winding prevention system	/	
Muffler	/		Front lifting detection switch function	✓	
Hydraulic Reservoir Tank			Counterbalance valve and holding valve	/	
Reservoir Tank damage	/		Meter panel	/	
Level Gauge of reservoir	/	P	Each indicator	/	
Reservoir tank oil leakage	/		Confirmation of function according to calibration plate	/	
Hydraulic oil, level, contamination	/		Cord reel function	/	
Element, internal pressure, contamination	/		Pilot lamp	/	
Tank retaining bolt and nut,	/		Operation selector switch function	/	
Tank retaining bracket damage	/		Auto stop cancel switch function	/	
Pump Drive System			Auto stop function	/	
Abnormal sound during operation of P.T.O	/	P	Error code indicator	/	
Air cylinder air leakage	/		Boom length sequential control function	/	
Pump			Drum indicator lamp	✓	
Abnormal sound	/		Slewing Device		
Pump oil leakage	/	P	Slewing bearing fastening bolt and nut	/	P
Pump retaining bolt and nut	/		Slewing bearing	/	
			Slewing motor and reduction gear	/	



ITEM	CHECK	REMARKS	ITEMS	CHECK	REMARKS
Operation Device (in operators cab)			Rotary seal	/	/
Operating Levers	/	/	Rotary bush	/	/
Control cable	x	/	Slewing table damage	/	/
Clutch lever and lock	x		Boom and Fly Jib		
Free-fall pedal free play and operating stroke	x		Damage, deformation, bending	/	/
Pedal lock function	x		Lubrication	/	/
Accumulator pressure gauge	x		Bushing and bearing lubrication	/	/
Derrick/ Telescopic cylinder and connection Piping			Sheave and guide roller	/	/
Each cylinder, oil leakage, damage, internal leakage, corrosion	/	/	Jib housing	/	/
Connection piping	/	/	Jib tension	x	
Hose reel	/	/	Electric cord	x	
Hose reel rotary joint oil leakage	/	/	Side plate	x	
Clutch and Brake			Extension/retraction wire rope	x	
Lining and drum	x	/	Winch		
Clutch carrier linkage	x	/	Abnormal sound and eccentricity during rotation of winch drum	/	/
Clutch power cylinder oil leakage	x		Winch motor and connection piping	/	/
Rotary joint and connection piping	/	/	Reduction gear	/	/
Brake condition indicating position	x		Wire rope	/	/
Brake power cylinder and connection piping	x		Winch retaining bolt and nut	/	/
Brake system fastening bolt and nut	/	/	Carrier Engine		
Winch motor and connection piping	/	/	Oil, fuel, water leakage, level, contamination	/	/
Reduction gear	/	/	Fan belt, tension, damage	/	/
Wire rope	/	/	Radiator core, clogging, damage	/	/
Winch retaining bolt and nut	/	/	Radiator cap condition	/	/
Control Valve			Clutch piping	x	/
Oil leakage	/	/	Clutch booster	x	/
Dust seal	/	/	Function of clutch	x	/
Control valve fastening bolt and nut	/	/	Function of torque limiter circuit	/	/
Linkage joint pin and clevis corrosion	/	/	Transmission operating mechanism	/	/
Piping			Propeller shaft jointing parts	/	/
Piping, clamp loss	/	/	Transmission case	/	/
Oil Used			Filters Used		
Type	QTY		Description	QTY	Part #
56 litres of Mobil 15W40	56		500ks Service kit		



ITEM	CHECK	REMARKS	ITEM	CHECK	REMARKS
Joint, oil leakage	/		Centre bearing	/	
Hose, damage or kink	/		Propeller shaft coupling bay	/	
Electric Equipment			Propeller shaft spline play	/	
Each switch function	/		Carrier Brake System		
Fuse box, fusing, deformation	/		Brake pedal	/	
Relay and bell function	/		Brake piping and base	/	
Wire clamp and connector, disconnection, loss	/		Brake drum and brake shoe	/	
Carrier Drive System			Air tank	/	
Front and rear axles	/		Brake performance	/	
Front and rear axle retaining bolt and nut	/		Parking brake performance	/	
Tyre	/		Exhaust brake performance	/	
Wheel stud	/		Brake fluid	/	
Bolt and nut	/		Carrier Electric Equipment		
Carrier Suspension System			Battery electrolyte level	/	
Equaliser beam	/		Battery terminal	/	
Torque rod	/		Battery relay function	/	
Suspension spring	/		Alternator function	/	
Hydraulic suspension cylinder	/		Starter motor	/	
Oil piping	/		Starter relay function	/	
Hydraulic suspension pressure	/		Electric wire	/	
Carrier Steering system			Air and hydraulic solenoid valve function	/	
Steering wheel	/		Body and Chassis		
Pitman arm, drop arm, knuckle arm, tie rod	/		Sun visor	/	
Carrier Operation Device			Operation and damage	/	
Function of switches	/		Door lock function	/	
Meter and pilot lamp function	/		Window regulator	/	
Horn, turn signal function	/		Fenders, deformation	/	
Lighting system function and damage	/		Outriggers		
Windshield wiper and washer function	/		Outrigger circuit oil leakage	/	
Wiper blade	/		Outrigger control hydraulic valve leakage	/	
Air heater indicator function	/		Horizontal and vertical cylinder oil leakage	/	
Each lamp and lens, crack, deformation, discolouration	/		Pilot check valve oil leakage	/	
Warning buzzer function	/		Outrigger box and beam damage	/	
			Set pin	/	
			Float damage	/	
			Level gauge	/	
			Outrigger operation, function	/	

COMMENTS: _____



Accreditation no. 19898

Certificate No: 144185

CraneSafe®

CERTIFICATE OF ANNUAL INSPECTION AND TESTING

All Terrain Crane

Inspection Date: 10/03/20

Renewal Date: 10/03/2021

Issued Date: 19/03/2020

Location of Inspection: Bendigo

Crane Owner: Allied Hire Pty Ltd

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

Crane Make: Grove

Crane Model: GMK 5130-2

Crane Serial Number: 5130 3311

YOM: 2011

Hours: 6460



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

Codes of Practice Manufacturer's Instructions.

Inspection Comments: Inspection completed as per CraneSafe requirements

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: Shayne Tronconi

CraneSafe Assessor No.: VIC1120

CraneSafe Assessment No: ATC A 144185-9

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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Certificate No: 144185

CraneSafe®

Accreditation no. 19898

LOAD INDICATOR CERTIFICATION
All Terrain Crane

Annual Inspection Date: 19/03/2020

Crane Owner: Allied Hire Pty Ltd

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

Crane Make: Grove

Crane Model: GMK 5130-2

Crane Serial Number: 5130 3311

YOM: 2011 **Hours:** 6460

Rated Capacity Indicator (RCI)

Load Chart Reference Number 1200

Printed Chart - No Load

	Printed Chart	Rated Capacity Indicator
Boom Angle, deg	N/A	N/A
Boom Length, m	60.00	60.00
Radius, m	16.00	16.00
Load, kg	7,000.00	7,000.00

Rated Capacity Limiter (RCL)

Load Chart Reference Number 1200

Rated Load - Boom Fully Extended

Rated Load in Stability

	Rated Capacity Indicator	Measured
Radius, m	16.40	16.30
Load, kg	6,900.00	5,870.00

	Rated Capacity Indicator	Measured
Radius, m	16.40	16.30
Load, kg	6,900.00	5,870.00

Line Pull Test

	Rated Capacity Indicator	Measured
Load, kg	7,100.00	7,200.00

Winch Brake Test

	Rated Capacity Indicator	Measured
Load, kg	7,100.00	7,200.00

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: Shayne Tronconi

CraneSafe Assessor No.: VIC1120

CraneSafe Assessment No: ATC A 144185-9

Issued Date: 19/03/2020

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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SUPPORTING INFORMATION