



TYPE	Elevated Work Platform - Boom
MAKE	JLG
MODEL	800AJ
ASSET NUMBER	B321
SERIAL NUMBER	0300081066

Report Number	20259 20240423-1050
Date	23-Apr-2024
Created By	Aidan Timms
Assessor	Aidan Timms
Assist. Assessor(s)	
Completed By	Aidan Timms
Owner	Regional Contractors Equipment Hire
Assessment Purpose	Hire
State	VIC



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Contains details of the technique used to calculate risk ratings, time frame and risk treatments. Please refer to this information when reviewing and interpreting the information in section 4 & 5

RISK TREATMENTS REQUIRED

Contains detailed information regarding the risk treatments to be implemented including hazard, risk rating, time frame, relevant standards & legislative references

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Contains detailed information regarding the risk treatments in place including hazard, risk rating, relevant standards & legislative references

SECTION 5

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Contains images & any relevant information entered by the assessor

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SECTION 1 IMPORTANT INFORMATION

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This report pertains to this item of plant as it appeared on the day of inspection.

It is the responsibility of the hirer to conform with the instructions and information contained within this report. Any change in condition of this item of plant should be reported to the hire company immediately.

Any information relating to the standard features have been supplied via the manufacturer and should be used as a guide only until verified.

For further information regarding this report contact Online Safety Systems on 1300 72 88 52

SECTION 2 MACHINE DETAILS

MACHINE DETAILS	- DESIGN	Design Registration Number	
		Plant Registration number	
		Statutory Plant Registration number	
	CAPACITIES	Fuel Tank Capacity (Litres)	
		Lift Height (mm/feet)	24384/80
	DIMENSIONS/WEIGHTS	Height (mm)	
		Length (mm)	
		Operating weight (kg)	15558
		Travel height (mm)	
		Width (mm)	
ELECTRICAL	Frequency (Hz)		
	Power (kW)		
	Voltage (volts)		
ENGINE	Engine Displacement (Litres)		
	Engine Make & Model		
	Engine Number		
	Engine Petrol/Diesel		
	Engine Power kW/(Hp)		
HYDRAULICS	Hydraulic Oil Pressure (Bar)		
	Hydraulic Oil Reservoir Capacity (Litres)		
TRANSMISSION	Maximum speed F/R (km/h)		
TYRES	Tyre Size		
WORK CAPABILITIES	Gradeability - Degrees/(%)		
	Lift capacity maximum height (kg)	227	

SECTION 3 RISK ANALYSIS / RISK EVALUATION




RISK ANALYSIS		CONSEQUENCE				
		1. INSIGNIFICANT Dealt with by in house first aid	2. MINOR Treated by medical professionals, hospital out patients	3. MODERATE Significant non permanent injury overnight hospital stay	4. MAJOR Extensive permanent injury eg. Loss of fingers, extended hospital stay	5. CATASTROPHIC Death, permanent disabling injury eg. Loss of hand, quadriplegia
LIKELIHOOD	A. Almost certain to occur in most circumstances	MEDIUM 8	HIGH 16	HIGH 18	CRITICAL 23	CRITICAL 25
	B. Likely to occur frequently	MEDIUM 7	MEDIUM 10	HIGH 17	HIGH 20	CRITICAL 24
	C. Possibly and likely to occur at sometime	LOW 3	MEDIUM 9	MEDIUM 12	HIGH 19	HIGH 22
	D. Unlikely to occur but could happen	LOW 2	LOW 5	MEDIUM 11	MEDIUM 14	HIGH 21
	E. May occur but only in rare circumstances	LOW 1	LOW 4	LOW 6	MEDIUM 13	MEDIUM 15

RISK EVALUATION	CRITICAL	Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below.
	HIGH	Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below. If the appropriate risk treatments are not immediately accessible establish interim risk treatment strategies. Permanent risk treatments must be implemented within one week.
	MEDIUM	Take reasonable steps to mitigate and monitor the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented within one month.
	LOW	Take reasonable steps to mitigate and monitor the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented within three months.

RISK TREATMENT	Selecting the most appropriate risk treatment option involves balancing the costs and efforts of implementation against the benefits derived, with regard to legal, regulatory and other requirements. (source AS/NZS ISO 31000:2009)	
	Eliminate	Eliminate the risk source.
	Substitute	Provide an alternative that is capable of performing the same task which is safer.
	Engineering	Provide or construct a physical barrier or guard.
	Administration	Develop policies, procedures, practices and guidelines in consultation with employees to mitigate the risk. Provide training, instruction and supervision about the risk source.
	Personal protective	Provide personal protective equipment to protect the individual from the risk source.


SECTION 4 RISK TREATMENTS REQUIRED








This section of the report pertains to hazards created by use of this item of plant which currently do not have risk treatments in place. The risk treatments recommended in this section have been developed based on relevant Australian Standards, health & safety legislation, the hierarchy of risk treatment in accordance with the guidelines set forth in AS/NZS ISO 31000 – Risk Management and various other sources. The recommended risk treatment measures must be developed, implemented and validated as effective prior to the operation, maintenance or testing of this item of plant. Treatments applied must be dated and initialled adjacent the recommendations. All operators must read and understand the entire contents of this section prior to operating this item of plant.





	HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating	Time Frame	Due Date	Date Rectified	Initial
OPERATION	 INCORRECT OPERATION	CRITICAL 24	MEDIUM 15	Immediate	23-Apr-24		
	Risk Treatment Required: Operator Competency Only persons who are qualified, trained and experienced and/or hold the relevant certification/license can operate this item of plant. If there is not a competent/licensed person available for operation of this item of plant then only persons who are supervised by a competent/licensed person can operate this item of plant.						
	Legislation: State Health & Safety Legislation & Regulation						
	References: Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations Assessor Comments: REGIONAL CONTRACTORS' EQUIPMENT HIRE SUPPLY EQUIPMENT ON THE UNDERSTANDING THAT HIRER WILL PROVIDE PLANT QUALIFIED, TRAINED AND EXPERIENCED OPERATORS.						
	 FIRE	HIGH 21	MEDIUM 15	1 Week	30-Apr-24		
Risk Treatment Required: Fire Extinguisher No fire extinguishers are installed on this item of plant. Fire extinguisher(s) to AS 1841 must be present and fully functional and serviceable at all times. They must be readily accessible to the operator. Regular inspections must also be carried out in accordance with the manufacturer's requirements and AS 1851							
Legislation: State Health & Safety Legislation & Regulation							
References: AS10896.1, AS1851							
	 CRUSHING, STRIKING, COLLISION	HIGH 19	MEDIUM 14	1 Week	30-Apr-24		
Risk Treatment Required: Tail Swing Label Ensure the rear of this item of plant has a hazard warning label re: general plant movement, tail swing, keep clear, etc. It must be present and fully functional and serviceable at all times.							
Legislation: State Health & Safety Legislation & Regulation							
References: AS/NZS4024.1201, AS1319-							




SECTION 5 RISK TREATMENTS IN PLACE







This section of the report pertains to risk treatments currently in place on this item of plant. This section must be read in conjunction with the safety section of the manufacturers handbook. All operators must read and understand the entire contents of this section prior to operating this item of plant. These treatments or equivalent must remain in place at all times whilst this item of plant is in operation.






	HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
DELIVERY	 CRUSHING	HIGH 22	MEDIUM 15
	Risk Treatments in Place: SWMS Loading/Unloading Ensure that all operators follow approved SWMS/SOP when loading and unloading this machine to and from a flat top truck or trailer, low loader or tilt tray.		
	References: Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations		








	HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
	 CRUSHING	HIGH 22	MEDIUM 15
	<p>Risk Treatments in Place: SWMS Load Restraint Ensure that all operators follow the approved SWMS/SOP when restraining this machine for transport.</p> <p>References: Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations</p>		
COMMISSIONING	 NON COMPLIANCE	HIGH 22	MEDIUM 15
	<p>Risk Treatments in Place: Structural Certification This item of plant is currently certified re: mechanical soundness and compliance with the relevant parts of AS1418. This certification is only valid for 10 years. It is recommended that before any sale of this item of plant occurs, a new inspection and certification take place by an authorised, qualified and competent person.</p> <p>References: AS2550.10-</p>		
OPERATION	 INCORRECT OPERATION	HIGH 22	MEDIUM 15
	<p>Risk Treatments in Place: Operation Handbook The manufacturer's operation handbook has been supplied for this item of plant.</p> <p>This handbook must be available at all times to all potential operators and supervisory staff. All potential operators must read and be familiar with this handbook prior to operating.</p> <p>A complete risk assessment/Job Safety Analysis must be undertaken covering all operating processes and environments associated with this item of plant. SWMS should be produced for specific tasks associated with use of this item of plant.</p> <p>References: Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations</p>		
	 INCORRECT OPERATION	HIGH 22	MEDIUM 15
	<p>Risk Treatments in Place: Pre-op Checklist Elevated Work Platform - Boom A pre-operational checklist is available for this Elevated Work Platform - Boom. This checklist must be completed by all operators prior to operation of this Elevated Work Platform - Boom.</p> <p>References: Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations</p>		
	 INCORRECT OPERATION	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: SOP Elevated Work Platform - Boom Safe Operation Procedures are available for this Elevated Work Platform - Boom. The information in the Safe Operation Procedures must be followed at all times whilst operating this Elevated Work Platform - Boom.</p> <p>References: Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations</p>			
	 INCORRECT OPERATION	HIGH 22	MEDIUM 15
	<p>Risk Treatments in Place: Control Labels All controls including all levers, buttons, pedals, switches etc. are clearly labelled as to their purpose and method of operation. These labels must be maintained in a clean and serviceable condition at all times.</p> <p>References: AS/NZS4024.1905</p>		
	 FALLING	HIGH 22	MEDIUM 15
	<p>Risk Treatments in Place: Fall Arrest Harness A fall arrest harness and shock absorbing lanyard available for each person to be lifted in this item of plant. These must be used at all times whilst this item of plant is in operation.</p> <p>Ensure that these are free from damage, appropriately inspected, marked accordingly and available at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS1418.10</p>		








HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
 POISONING, EXPLOSION, BURNS	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Engine Review Safe Operation Procedures to ensure the existence of the following:</p> <p>FUEL COMBUSTION ENGINES SAFE OPERATION PROCEDURES</p> <ol style="list-style-type: none"> 1. Switch off the engine before refueling. 2. NEVER smoke in the vicinity of, and keep sources of sparks away from, any flammable liquid or fuel. 3. Let the engine cool down before refueling. 4. Fuels can contain substances similar to solvents. Eyes and skin should not come in contact with mineral oil products. Always wear protective gloves when refueling (not regular work gloves!). Frequently clean and change protective clothes. Do not breathe in fuel vapours. Inhalation of fuel vapours can be hazardous to your respiratory health. 5. Use extreme care when filling fuel tanks. 6. Exercise care not to spill fuel. If a spill over the engine occurs, clean and dry the engine immediately. Fuel should not come in contact with clothes. If your clothes have become contaminated with fuel, change out of them at once. Undertake refilling operations over a non porous surface such as concrete or preferably within a bunded area to avoid spilling fuel on the ground (environmental protection). 7. Do not refuel any fuel tank or container in a closed unventilated area. Without effective ventilation, fuel vapours will accumulate near the floor creating a risk of explosion and/or causing dizziness and possible unconsciousness in nearby persons. 8. Ensure to correctly fit and firmly tighten the screw cap of the fuel tank. 9. Before starting the engine, move to a location at least 3 metres from where you fuelled the engine. 10. Fuel cannot be stored for an unlimited period of time. Buy only as much as will be consumed in the short term. 11. When making up the fuel/oil mixture (2-stroke engines only), always put the oil in the mixing container first, and then the fuel. 12. Use only approved and appropriately marked containers for the transport and storage of fuel. 13. Keep children away from fuel, fuel storage and operating machinery! 14. Where possible, keep an appropriate fire extinguisher nearby during operations utilising flammable liquids. 15. Never operate an internal combustion engine inside your home, basement, garage or any other enclosed area. The engine needs a minimum of 1 to 2 metres of spacing on all sides (including the top). An engine needs an unlimited supply of fresh air for proper cooling during operation. 16. Properly locate the engine outdoors away from doors and windows. An open door or window will allow dangerous exhaust fumes to enter the building. Since combustion engines create carbon monoxide, which can be lethal, good ventilation is critical. Keep the engine dry and always operate it on a level surface. <p>References: Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations</p>		
 INCORRECT OPERATION, NON COMPLIANCE	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Emergency Stop Labelling The emergency stop(s) fitted to this item of plant are clearly labelled as to the purpose and method of operation. These labels must be maintained in a clean and serviceable condition at all times.</p> <p>References: AS/NZS4024.1604</p>		
 ELECTROCUTION	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Electrical Approach Distances This item of plant has a hazard warning label re: overhead electrical hazards and minimum approach distances fitted. These distances must be adhered to strictly. These labels and tables must be present, clear and legible at all times.</p> <p>Spotters are required when working within 5 metres of the minimum approach distance of any live electrical apparatus.</p> <p>Any encroach within the minimum approach distances must only occur if the following provisions have been met -</p> <ol style="list-style-type: none"> 1. The machine is designed to work within the minimum approach distances 2. Permission has been granted by the electricity company and 3. Safe systems of work have been documented and approved. <p>References: ISO31000</p>		
 POISONING, EXPLOSION, BURNS	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Tank ID Label The tank(s) on this item of plant have clear, legible label(s) identifying their contents, and if appropriate any necessary controls re: the contents. These must be present, clear and legible at all times. (this includes radiator, hydraulic and petrol/diesel tanks)</p> <p>References: Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations</p>		









HAZARD(S)		Prelim. Risk Rating	Residual Risk Rating
	POOR SIGNAGE	HIGH 22	HIGH 21
<p>Risk Treatments in Place: MEWP Rated Capacity Label This MEWP is fitted with a rated capacity label.</p> <p>Note: If more than one rated capacity then label must show the machine configurations along with the appropriate rated capacity for each configuration. This capacity must not be exceeded at any time during operation. This label must be clear and legible at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS1418.10</p>			
	INSTABILITY, TIP OVER	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Load Sensing System This item of plant is fitted with a load sensing system that meets the following criteria - (a) will trigger once the rated capacity is reached and before 120% of the rated capacity is exceeded (b) has an acoustic audible warning alarm and flashing red light at each control position (c) if triggered while the work platform is stationary, it will prevent all movement of the work platform until the overload is removed.</p> <p>This system must be present and fully functional at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS1418.10</p>			
	INSTABILITY, TIP OVER	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Moment Sensing System This item of plant is fitted with a moment-sensing system which provides visual warning to the operator and prevents further movements when the overturning moment is reached.</p> <p>This system must be present and fully functional at all times whilst this item of plant is in operation. Movements that reduce the overturning moment are permitted.</p> <p>References: AS/NZS1418.10</p>			
	INSTABILITY, TIP OVER	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: MEWP Limiting Device This MEWP is fitted with one or more of the following devices to prevent movement beyond the manufacturers' permissible positions - (a) Mechanical stops (b) Non-mechanical limiting devices or (c) Electrical safety devices.</p> <p>These device(s) must be present and fully functional at all times whilst this MEWP is in operation.</p> <p>References: AS/NZS1418.10</p>			
	NON COMPLIANCE, OPERATIONAL MALFUNCTION	HIGH 21	MEDIUM 15
<p>Risk Treatments in Place: Log Book The plant log book is available for this item of plant, ensure that all service, maintenance, inspections and use are recorded in the log.</p> <p>References: AS2550.10-</p>			
	ENTANGLEMENT, SHEARING, BURNS	MEDIUM 14	MEDIUM 13
<p>Risk Treatments in Place: Engine Guard Label The engine fan and alternator belts, pulleys and gears are guarded. These guards have clear legible hazard warning labels re do not open or remove guards while engine is running. These labels must be present, legible and easily seen at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS4024.1201, AS1319-</p>			








	HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
	 CRUSHING, COLLISION	MEDIUM 12	LOW 6
<p>Risk Treatments in Place: Warning Device (horn) This item of plant is fitted with a fully functional audible warning device such as a horn. This must be easily accessed by the operator, and easily identifiable by nearby pedestrians.</p> <p>All operators should ensure the warning devices are functional at the start of each shift, by completing pre-start checklists. Warning devices should operate automatically where appropriate (eg reversing)</p> <p>References: ISO7731, AS/NZS1418.10</p>			
	 BURNS	MEDIUM 12	MEDIUM 12
<p>Risk Treatments in Place: Open Cabin Dust, exhaust fumes, chemical fumes, sunstroke and sunburn pose serious risk to the operator both short and long term. The appropriate controls for all of these hazards must always be available whilst this item of plant is in operation. If these controls e.g. hats, sunscreen, dust masks etc are not available then operation of this item of plant must cease until these are made available to all operators.</p> <p>References: ISO31000</p>			
	 COLLISION	MEDIUM 9	LOW 5
<p>Risk Treatments in Place: Recovery Point Label This item of plant is fitted with a hazard warning label adjacent the recovery tow point which states "Recovery tow point – Read manufacturer's towing instructions before towing". Failure to do so could result in DEATH or SERIOUS INJURY.</p> <p>This label must be clear and legible at all times whilst this item of plant is in operation.</p> <p>References: ISO31000</p>			
DESIGN COMPLIANCE	 CRUSHING, COLLISION	CRITICAL 24	MEDIUM 15
	<p>Risk Treatments in Place: Hold To Run EWP Controls The EWP controls are the "hold to run" type. Operators and maintenance staff MUST NEVER attempt to bypass this important safety feature. Failure to comply with this instruction may lead to serious injury or death.</p> <p>References: AS1418.1</p>		
	 TIP OVER	CRITICAL 24	MEDIUM 15
	<p>Risk Treatments in Place: Platform Control Interlock This work platform is fitted with controls that are interlocked to prevent operation of the platform outside the manufacturers permitted positions unless the stabilisers are within the manufacturers specification. This interlock must be fully functional at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS1418.10</p>		
	 NON COMPLIANCE	HIGH 22	HIGH 21
<p>Risk Treatments in Place: Work Platform Information Plate This work platform is permanently and legibly marked with the following information -</p> <ul style="list-style-type: none"> (a) The rated capacity, in kg (b) The rated capacity, given as allowable number of persons and mass of equipment, in kg (c) Maximum allowable wind speed, in metres per second or where the EWP is designed for use in non-wind conditions, advice to that effect (d) Whether "electrically insulated" and the level of insulation (e) Information related to the use and load rating of the equipment for material handling (f) Location of lanyard anchorage points and the allowable number of persons that can be connected to each point. <p>This information must be adhered with at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS1418.10</p>			








HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
 STRIKING, BURNS	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Hydraulic Hoses This item of plant has hydraulic hoses. These hoses must be inspected each day or before each use for wear and tear. If there are visible signs of wear immediate action must be taken to control the risk arising from this wear. These inspections must be documented.</p> <p>Hydraulic fluid at high pressure can penetrate the skin, never use any part of your body to check for leaks. If oil penetrates the skin seek medical advice immediately. Always use a piece of cardboard or similar to check for suspected leaks.</p> <p>Hydraulic pressure can be stored and is a hazard. Before disconnection or connection of hydraulic hoses complete the following steps -</p> <ol style="list-style-type: none"> 1. Stop engine 2. Keep all bystanders clear of the work area 3. Refer to operators manual as to methods to release pressure 4. Wait 5 minutes 		
<p>References: AS4024, AS2671</p>		
 NON COMPLIANCE	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Mobile EWP Manufacture Plate This MEWP is permanently and legibly marked with the following information -</p> <ol style="list-style-type: none"> (a) Manufacturer's or supplier's name (b) Country of manufacture (c) Model designation (d) Serial number (e) Year of manufacture (f) Rated capacity, in kilograms (g) Rated capacity, given as the allowable number of persons and mass of equipment, in kilograms (h) Maximum allowable wind speed, in metres per second (i) Maximum allowable chassis inclination (j) For insulated MEWPs, the electrical insulation rating (k) Statement of compliance with AS/NZS1418.10 <p>This information must be adhered with at all times whilst this item of plant is in operation.</p>		
<p>References: AS/NZS1418.10</p>		
 CRUSHING	HIGH 22	MEDIUM 14
<p>Risk Treatments in Place: Secondary Safety Device A fully functional safety device is fitted to this item of plant to protect the operator from overhead crush hazards.</p> <p>This safety device must be fully functional at all times whilst this item of plant is in operation.</p>		
<p>References: ISO31000</p>		
 CRUSHING, ENTANGLEMENT, STRIKING, COLLISION	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Neutral Start This item of plant has neutral start control in place. It must be fully functional and serviceable at all times whilst this item of plant is in operation.</p>		
<p>References: AS4024.1603</p>		
 CRUSHING, ENTANGLEMENT, SHEARING, PINCHING	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Accidental Operation Protection All controls are fitted with a device/method to prevent accidental operation. This device must be fully functional at all times whilst this item of plant is in operation.</p>		
<p>References: AS/NZS4024.1906</p>		




HAZARD(S)		Prelim. Risk Rating	Residual Risk Rating
 FALLING		HIGH 22	MEDIUM 12
<p>Risk Treatments in Place: Harness Attachment Points This item of plant is fitted with anchorage points for the safety harnesses of each operator. These anchor points must be permanently and sturdily attached at all times whilst this item of plant is in operation. All operators must employ safety harnesses attached to these points at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS1418.10</p>			
 CRUSHING		HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Movement Awareness Alarm An automatic movement awareness alarm is fitted to this item of plant. This alarm is automatically activated when travel in any direction occurs. It must be fully functional and serviceable at all times whilst this item of plant is in operation.</p> <p>References: ISO31000</p>			
 ELECTROCUTION		HIGH 22	LOW 6
<p>Risk Treatments in Place: Circuit Breaker Ensure that this item of plant is always used in conjunction with a fully functional RCD (Residual Current Device). If earth leakage protection trips, determine cause of fault before re-setting and re-using the machine.</p> <p>References: AS/NZS3105, AS/NZS3000, AS/NZS3100</p>			
 STRIKING, BURNS		HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Hydraulic Hose Failure Shield This item of plant is fitted with a sturdy, permanent shield(s) between the hydraulic hoses and any body parts of the operator to provide protection during a hose or component failure. This shield(s) must be present and fully functional at all times whilst this item of plant is in operation.</p> <p>References: AS4024, ISO4413, AS2671</p>			
 INCORRECT OPERATION		HIGH 22	LOW 5
<p>Risk Treatments in Place: EWP Dead Man Controls This item of plant is fitted with a "deadman" type power-on control connected with other controls so that simultaneous actuation of two independent controls effects movement of the EWP. This control must be present and fully serviceable at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS1418.10</p>			
 ENTANGLEMENT, CUTTING, SHEARING		HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Emergency Stop Device This item of plant is fitted with an emergency stop device.</p> <p>The emergency stop must meet all of the following criteria whilst this item of plant is in operation:</p> <ol style="list-style-type: none"> 1. Is operational 2. Is coloured red with yellow background 3. Is easily accessible to the operator(s) at all times whilst operating this item of plant 4. Resetting of emergency stop does not automatically restart machine 5. Is located at each operator control station. <p>Note: All operators must be familiar with the use and effects of actuation of the emergency stop device.</p> <p>References: AS/NZS4024.1604</p>			
 CRUSHING, ENTANGLEMENT, SHEARING, BURNS, PINCHING		HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Safe Operator Location This machine is designed so that the operator is isolated from all danger zones whilst at the operator position. This condition must exist at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS4024.1201</p>			

HAZARD(S)		Prelim. Risk Rating	Residual Risk Rating
	ELECTROCUTION	HIGH 22	LOW 6
<p>Risk Treatments in Place: External Electrical Fittings This item of plant fitted with external electrical fittings. All of the fittings are weatherproof. Ensure that regular inspections are carried out to confirm weatherproof status.</p> <p>References: AS/NZS3000</p>			
	CRUSHING, SLIPPING	HIGH 22	LOW 5
<p>Risk Treatments in Place: Open Platform requirements This item of plant is fitted with an open operator work platform/basket. This basket must meet the following criteria as a minimum at all times whilst this item of plant is in operation -</p> <ol style="list-style-type: none"> 1. Floor is flat and non slip 2. All handrail is at least 0.95m 3. All hand rails have a mid rail 4. All sides and ends have a kick plate which is at least 100mm high <p>References: AS/NZS1418.10</p>			
	CRUSHING	HIGH 22	LOW 2
<p>Risk Treatments in Place: Hydraulic Load Holding Devices The load carrying cylinders on this item of plant are fitted with automatic means (e.g. load-holding valves) to prevent uncontrolled movement of the unit in the case of loss of power or hydraulic failure. These devices must be present and fully functional at all times whilst this item of plant is in operation.</p> <p>References: AS1418.1</p>			
	ENTRAPMENT	HIGH 22	HIGH 21
<p>Risk Treatments in Place: Emergency Descent Device This EWP is fitted with an emergency override system (e.g. a hand pump, a secondary power unit, gravity lowering valves) with instruction label adjacent the controls to this system to allow the platform to be lowered in the event of a power failure or incapacitated operator. This system and instruction label must be present, fully function and legible at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS1418.10</p>			
	ENTANGLEMENT	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Engine Guards The engine fan and alternator belts, pulleys and gears are guarded. These guards must be present and fully functional and serviceable at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS4024.1601</p>			
	CRUSHING, OPERATIONAL MALFUNCTION, COLLISION	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Transit Locking Devices This item of plant is fitted with fully functional transit locking devices and clear instruction label adjacent to the locking device. The locking device is double action i.e. pin and speed clip. The locking device must be used during transit.</p> <p>References: ISO31000</p>			
	COLLISION	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Beacon This item of plant is fitted with a safety beacon. This beacon must meet the following criteria at all times whilst this item of plant fitted is in operation -</p> <ul style="list-style-type: none"> - Is visible up to 200m in all directions (allowing for intermittent obstruction from the plant structure whilst the plant is in operation) - Is fitted in the most appropriate location on machine to maximise visibility without risking continual damage <p>NOTE: more than one beacon may be fitted to meet these criteria.</p> <p>References: AS/NZS4024.1201</p>			

HAZARD(S)		Prelim. Risk Rating	Residual Risk Rating
 TIP OVER		HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Chassis Inclination Display This item of plant is fitted with a device to indicate whether the inclination of the chassis is within the limits permitted by the manufacturer. This device must be fully functional at all times whilst this item of plant is in operation. The limits set by this device must NEVER be exceeded or serious injury or death may occur.</p> <p>References: AS/NZS1418.10</p>			
 TIP OVER		HIGH 22	LOW 2
<p>Risk Treatments in Place: Inclination Limit Interlock This MEWP designed to travel with the platform in an elevated position, as such it is fitted with an interlock which prevents continuation of travel in the selected direction once the limit of inclination has been reached. This safety device must be fully functional at all times during operation. Operators must not attempt to bypass this interlock.</p> <p>References: AS/NZS1418.10</p>			
 OPERATIONAL MALFUNCTION		HIGH 22	LOW 2
<p>Risk Treatments in Place: Plant Modification The plant is in original condition.</p> <p>References: ISO31000</p>			
 TIP OVER		HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Inclination Limit Alarm This item of plant is fitted with an acoustic alarm audible at the operator work platform which is automatically activated when the limit of inclination has been reached. Operators must not continue to increase inclination once this alarm sounds. This safety device must be fully functional at all times whilst this item of plant is in operation.</p> <p>References: ISO7731, AS/NZS1418.10</p>			
 INCORRECT OPERATION		HIGH 20	MEDIUM 14
<p>Risk Treatments in Place: Intuitive Controls The controls fitted to this item of plant are orientated so that the movement of the control is consistent with the action of the machine e.g. moving a control lever to the left results in the machine turning to the left. This design feature must be maintained at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS4024.1906</p>			
 STRAINS		HIGH 19	LOW 5
<p>Risk Treatments in Place: Controls Ergonomics All controls including all levers, buttons, pedals, switches etc, are placed near the operator work position and are easy to reach and operate during the execution of the operator's normal duties. This applies for all persons within the 95th percentile of the normal population distribution.</p> <p>References: AS/NZS4024.1901</p>			
 INCORRECT OPERATION, SLIPPING		HIGH 17	LOW 6
<p>Risk Treatments in Place: Control Levers/Pedals/Buttons All controls including all levers, buttons, pedals, switches etc. must be kept non-slip and free from damage at all times.</p> <p>References: AS/NZS4024.1901</p>			
 NOMINATED OPERATOR ONLY INCORRECT OPERATION, OPERATIONAL MALFUNCTION		MEDIUM 14	MEDIUM 13
<p>Risk Treatments in Place: Restricted Access Switches This item of plant is fitted with a device to restrict operators. A code/key must only be given to those that have appropriate experience or training.</p> <p>References: AS/NZS4024.1201</p>			

	HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating	
	SLIPPING	MEDIUM 12	LOW 6	
<p>Risk Treatments in Place: Operator Work Area Access/Egress Safe access and egress to the cabin/work area(s) must be maintained at all times whilst this item of plant is in operation. It must be non slip, free from damage, located at a height so as to not cause undue body stresses and strains with three points of contact available to personnel at all times.</p> <p>All personnel must -</p> <ol style="list-style-type: none"> 1. Always face the item of plant during access and egress. 2. Always maintain three points of contact during access and egress. 3. Never carry an object(s) in his/her hand(s) during access and egress. 4. Never jump off machine. <p>References: AS1657</p>				
	FALLING, SLIPPING	MEDIUM 12	LOW 6	
<p>Risk Treatments in Place: Access/Egress Instruction Label An instruction label is fitted adjacent access/egress areas to advise all personnel of the following -</p> <ol style="list-style-type: none"> 1. Always face the item of plant during access and egress. 2. Always maintain three points of contact during access and egress. 3. Ensure the steps are clean. 4. Never jump off machine. <p>This label must be clear and legible at all times whilst this item of plant is in operation.</p> <p>References: ISO31000</p>				
	ELECTRIC SHOCK, BURNS	MEDIUM 12	LOW 6	
<p>Risk Treatments in Place: Battery Cover All batteries fitted to this item of plant are constrained to prevent displacement & fitted with a permanent sturdy cover which allows for ventilation. The constraint and cover must be present and fully functional and serviceable at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS4024.1201</p>				
	BURNS	MEDIUM 9	LOW 5	
<p>Risk Treatments in Place: Exhaust The engine exhaust on this item of plant is fitted with a guard to prevent injury to any person and control the risk of initiating a fire. It must be present and fully functional and serviceable at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS4024.1201</p>				
	INCORRECT OPERATION	LOW 3	LOW 1	
<p>Risk Treatments in Place: EWP Duplicate Controls This item of plant is fitted with duplicate controls at the elevated platform and ground level. The ground level controls are capable of overriding the platform controls. These safety features must be fully functional at all times whilst this item of plant is in operation. This will allow platform recovery during sickness or injury to the operator.</p> <p>References: AS/NZS1418.10</p>				
MAINTENANCE		CURRENT OR PREVIOUS STRUCTURAL DAMAGE	CRITICAL 25	MEDIUM 15
	<p>Risk Treatments in Place: Structural Integrity Regular checks for structural damage must be undertaken. Look for cracks in frames/chassis (current or repaired), bends or damage to structural components, etc.</p> <p>References: ISO31000</p>			
		ELECTROCUTION	CRITICAL 24	MEDIUM 15
<p>Risk Treatments in Place: Power Leads The power lead to this power tool is free from damage. If any damage occurs operation must cease immediately and be repaired by a competent person prior to resuming operation.</p> <p>References: AS/NZS3160</p>				

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
 CRUSHING	CRITICAL 24	MEDIUM 15
<p>Risk Treatments in Place: EWP Pins, connectors & pivot points The components of the platform supporting structure including pins, bushes, pivot points, arms & connecting rods fitted to this item of plant are fully functional and free from excessive wear and damage. Ensure that this is maintained at all times whilst this item of plant is in operation.</p> <p>References: AS/NZS1418.10</p>		
 INCORRECT OPERATION	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Maintenance Manual The manufacturer's maintenance manual(s) has been supplied for this item of plant</p> <p>These manual(s) must be available at all times to all users and maintenance staff of this item of plant. All users and maintenance staff must read and be familiar with these handbook(s) prior to maintaining or repairing this item of plant.</p> <p>A complete risk assessment/JSEA must be undertaken covering all inspection, maintenance, servicing and transportation requirements of this piece of plant prior to use.</p> <p>A full assessment of the competence of people using the book(s) must also be undertaken</p> <p>References: Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations</p>		
 INSTABILITY, COLLISION	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Tyres The tyres and wheel components must be inspected as part of a "pre start" checklist. These inspections must be documented as part of your plant safety programme.</p> <p>References: ISO31000</p>		
 STRIKING, BURNS	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Hydraulic Damage The hydraulic hoses to this item of plant are free from damage and protected against damage arising from contact with the plant structure. Ensure that hoses are free from damage and that protection is in place at all times whilst this item of plant is in operation. Inspection of the hydraulic hoses and protection system should be conducted regularly and documented as part of your plant safety programme.</p> <p>References: AS4024, ISO4413, AS2671</p>		
 NON COMPLIANCE	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: 90 day (quarterly) Routine Inspection 90 day (quarterly) routine inspection has been carried out within the last 90 days. Ensure that this occurs every 90 days and is recorded in the log book.</p> <p>References: AS2550.10-</p>		
 NON COMPLIANCE	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Plant (annual) Periodic Inspection Current (less than 12 months) documentation is available stating that this item of plant has had an annual periodic inspection which has been carried out by a competent person and that this item of plant is in a safe condition for use. This item of plant must be re-inspected within 12 months by a competent person and new documentation be provided.</p> <p>References: AS2550.10-</p>		
 ELECTROCUTION	HIGH 22	MEDIUM 15
<p>Risk Treatments in Place: Power Leads This item of plant has a current tag fitted to the lead re: testing for insulation, earth and phasing requirements. Electrocution may result if this tag is not present or current. This tag must be current, clear and legible at all times.</p> <p>References: AS/NZS3760, AS/NZS3100</p>		

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
 OPERATIONAL MALFUNCTION	HIGH 22	LOW 2
<p>Risk Treatments in Place: Major Fluid Leaks This item of plant must remain free from leaks at all times whilst in operation (this includes engine, transmission, cooling system, air, fuel, drive line, wheel hubs, steering and hydraulics). Development of a major leak will require this item of plant to be stood-down until repaired. Minor leaks detected must be repaired within 1-14 days.</p> <p>References: ISO31000</p>		
 OPERATIONAL MALFUNCTION	HIGH 21	MEDIUM 15
<p>Risk Treatments in Place: Service Records Service and maintenance records are available for this item of plant.</p> <p>These records must continue to be managed and available at all times as part of your service and maintenance programme. (This programme includes the undertaking of regular inspections of the item of plant with specific reference to all OEM prescribed, scheduled and non scheduled service and maintenance requirements).</p> <p>References: Work Health & Safety Act & Regulations- , Occupational Health & Safety Act & Regulations</p>		
 CRUSHING, STRIKING	HIGH 21	MEDIUM 15
<p>Risk Treatments in Place: MEWP Foam Filled Tyres This MEWP has foam filled tyres, the tyre weight is clearly and legibly displayed adjacent each tyre. NOTE: These tyres are heavier than air filled only tyres, and have different stability characteristics. These labels must be present, clear and legible at all times. All operators must be aware of the contents of the tyres and the handling characteristics prior to operating this item of plant. Also all operators and maintenance staff must use the appropriate machinery when handling.</p> <p>References: AS/NZS1418.10</p>		

SECTION 6 IMAGES AND NOTES

IMAGES

- No Images Available -

NOTES

- No Notes Available -

RISK MANAGEMENT REPORT

TYPE	Elevated Work Platform - Boom	Report Number	20259 20240423-1050
MAKE	JLG	Date	23-Apr-2024
MODEL	800AJ	Created By	Aidan Timms
ASSET NUMBER	B321	Assessor	Aidan Timms
SERIAL NUMBER	0300081066	Assist. Assessor(s)	
		Owner	Regional Contractors Equipment Hire
		Assessment Purpose	Hire
		State	VIC

OPERATOR ACKNOWLEDGEMENT

I the undersigned acknowledge that I have read and understand the risk management report described above. I also acknowledge that I have received a copy of this risk management report.

<u>DATE</u>	<u>NAME</u>	<u>COMPANY/POSITION</u>	<u>SIGNATURE</u>

