

Assessment Number: TELE52560			Assessment Date: 10/8/2023
Plant Type: 2.5T Telehandler Plant Make: JCB Plant Model: 525-60			Assessment Facilitated by: Leigh Evans (Admin/Accounts Manager)
Asset/Fleet/Rego No: Plant Serial No. JCB5A41RVG204853			Assessment Participants: Chris Feldbauer (Director)
Plant Owner Name: Northern Hire Group			Follow up Assessment (See below for Revision No.)
• plant o	perators working, or	in the vi	ist, consider the hazards that may affect: icinity of, the plant ed, such as visitors, pedestrians, contractors, etc.
Is the plant designed to perform the task?	Yes	No	
Has the plant been modified from the original condition?	<del>Yes</del>	No	
Is the plant in good working condition and free of weeds & mud?	Yes	No	
All identified action items closed out/addressed (plant checks)?	Yes	No	
Is the plant safe to operate? (On completion of PHA and action closure)	Yes	No	Date: 10/8/23 Signature:

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This document has been developed as a guide to identify hazards on plant only.

This Risk Assessment has been conducted to the guidelines as detailed in the Worksafe booklet "Plant Hazard Checklist"

#### Workplace hazards have not been identified.

Job safety analysis (J.S.A) - Safe Work Method Statement (SWMS) is required to identify workplace hazards.

Operators must take into account Job Safety Analysis when operating mobile plant.

This assessment is conducted under a static condition as per Occupational Health & Safety Regulations Victoria 2017. A site specific assessment should be conducted at each change of location. Refer to Plant Regulations/National Standards for Plant (NOHSC).

#### **Action and Approval Scheme**

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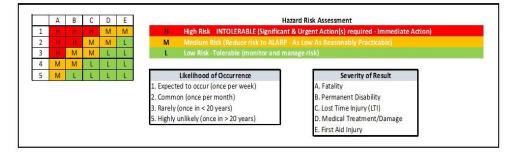
These suggested timings and tolerance levels in the Action Table will be overridden by specific policies of the company that either dictate shorter timeframes for corrective action or zero tolerance. For example, the company has a zero tolerance policy for Safety and Environmental risks.

The decision to tolerate a risk or capture a opportunity should be based on a consideration of:

Whether the risk / opportunity is being controlled to a level that is reasonably achievable;

Whether it would be cost-effective to further control risk or capture the opportunity;

Whether the user wishes to tolerate risks / opportunities of that type



#### Disclaimer:

TDiscelaimetazard & Risk Assessment does not eliminate the Owner/Operator responsibility to maintain the Mobile Plant as per OH & S Regulations Victoria 2017/National Standards for Plant (Noise Mobile Plant Hazard & Risk Assessment does not eliminate the Owner/Operator responsibility to maintain the Mobile Plant as per OH & S Regulations Victoria 2017/National Standards for Plant T(NOISE) sment provides information that is based on an inspection that was made on the date noted on the assessment cover sheet. If any addition, alteration or modification has been made to this in a site sempliar resides informational date; have noted in the assessment cover sheet. If any addition, alteration or modification has been made to this mobile item plant subsequent to that date, it may not confirm to a satisfactory level of acceptance.

All hazards identified in this document must be rectified within 21 days of date listed on this form.

If Atlultazarrels interetitiéed in th24 diagramteris drocatroenteloéfiech vost iniuli2andays into fate listed on this form.

If faults are not rectified in 21 days, this document becomes null and void.

I acknowledge receipt of the complete Assessment for the Plant item detailed on the cover sheet.

I acknowledge receipt of the complete Assessment for the Mobile Plant item detailed on the cover sheet.

Supervisor/Operator Name:

Supervisor/Operator Name:
Supervisor/Operator Signature:

Supervisor/Operator Signature:.....

Date: / Further information

Contact the WorkSafe Victoria Advisory Service on 1800 136 089 or go to worksafe.vic.gov.au to download:

- Occupational Health and Safety Act 2004
- Occupational Health and Safety Regulations 2017
- Plant Compliance Code
- Hazardous Manual Handling Compliance Code
- Noise Compliance Code
- Hazardous Substances Compliance Code
- Code of Practice for Storage & Handling of Dangerous Goods



Potential Hazards		Haza		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A		Controls	Ourient Risk Edver	on Plant	Level	By: (Name and Date)	(Name and Date)
Are there any specific warnings or conditions (manufacturers or other) relating to potential hazards from the operation of the item of plant?	Y			Injury due to improper use	Please refer to Safety Instructions, Warning Decals & Operator Manual	L				
<ul> <li>Refer to technical or operating manuals, SOPs, safe use instructions</li> <li>List any relevant safety warning hazards &amp; controls</li> </ul>					All operators to follow safety instrucitons					
Are there any COMMUNICATION requirements in relation to the safe operation of the plant?      Active signalling processes.     Point to point communications.     Whistle     Spotter (with/without whistles)     Flag signalling     Labels and signage	Y			Injury from contact with moving plant	A site specific risk assessment must be undertaken to determine controls prior to movement or operation.  Establish exclusion zone around work site	М				
3. Can anyone be ENTANGLED in the plant?  Hair or other body parts caught in moving parts  PPE caught in moving parts  Isolation devices  Warning decals  Guarding  Rotating parts  Emergency stops	Y			Unjury due to contact with moving parts	Please refer to Safety Instructions, Warning Decals and Operator Manual Ensure all guards are in place Operators to use appropriate PPE.	L				
					Ensure hair, jewellry, loose clothing, etc are kept away from moving parts.					

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Potential Hazards	Y	Hazar	N/	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required on Plant	Final Risk Level	New or Additional Controls Action By: (Name and Date)	Action Verified as Complete: (Name and Date)
4. Can anyone be CRUSHED or TRAPPED? (e.g. through unexpected movement, lack of capability for plant or equipment to be slowed, stopped or immobilised, plant tipping or rolling, being thrown from plant)  Emergency stop (E Stop) Service or parking brake Battery isolator ROPs/FOPs Being crushed between moving parts Unexpected movement Neutral Start Reversing/travel alarm Warning horn Amber flashing beacon Rear swing warning lights Pedals non slip surface Appropriate controls Rear view mirror Seat belt Door inter locks Crush zone decals Guarding devices Mandatory secondary protection device installed on all boomtype MEWP	Y		A	Potential injury due to movement of plant	A site specific risk assessment must be undertaken to determine controls prior to movement or operation.  Establish exclusion zone around work site Use only on stable, level ground away from trenches, pits, etc.  Ensure braking system is engaged, and/or wheel chocks in place before leaving unattended.	L			(Name and Date)	Datey



Potential Hazards	ŀ	lazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk Level	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
<ul> <li>5. Can anyone be CUT, STABBED or PUNCTURED?</li> <li>Flying objects</li> <li>Moving parts</li> <li>Pinch points</li> <li>Sharp edges</li> <li>Isolation devices</li> <li>Warning decals</li> <li>Guarding</li> </ul>	Y			Injury from contact with sharp or moving parts, or dislodged debris from work area/piece	A site specific risk assessment must be undertaken to determine controls prior to movement or operation.  Establish exclusion zone around work site  Operator to use correct PPE.	M				
Between two moving and rotating parts Between fixed and moving parts Warning decals Guarding	Y			Injury from contact with moving parts	A site specific risk assessment must be undertaken to determine controls prior to movement or operation.  Establish exclusion zone around work site  Ensure all guards are in place.  Avoid contact with moving parts.	L				

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Potential Hazards	ŀ	Hazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
<ul> <li>7. Can ABRASION, TEARING or STRETCHING occur?</li> <li>Continuous contact with moving parts</li> <li>Warning decals</li> <li>Guarding</li> <li>Pulling/pushing</li> </ul>	Y			Injury from contact with moving parts	A site specific risk assessment must be undertaken to determine controls prior to movement or operation.  Establish exclusion zone around work site  Ensure all guards are in place.  Avoid contact with moving parts.	L				
8. Can anyone be STRUCK whilst operating the plant?  Plant disintegrating Mobility of plant travelling Reversing/travel alarm Amber flashing beacon Work pieces thrown out Moving parts Warning decals Guarding	Y			Injury from contact with moving plant Injury from dislodged debris from work area/piece.	A site specific risk assessment must be undertaken to determine controls prior to movement or operation.  Establish exclusion zone around work site  Operator to use correct PPE.	М				

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Potential Hazards	ı	Haza		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk Level	New or Additional Controls Action	Action Verified as Complete: (Name and
	Υ	N	N/ A				on Plant	Levei	By: (Name and Date)	Date)
9. Can a hazardous PRESSURE be produced?  Hydraulic hoses Radiator Come into contact with fluids under high pressure	Y			Injury from contact with high- pressure compressed air.  Compressed air can enter the body, particularly where skin is not present (ie, ear, nose, eye, scratch or puncture of the skin) and cause blood vessels to become blocked by air bubbles (aeroembolism).  Compressed air can also cause hearing damage	A site specific risk assessment must be undertaken to determine controls prior to movement or operation  Do not aim air or hydraulic attachments towards any person or body part.  Wear applicable PPE, including eye & ear protection.  Establish an exclusion zone and use screens or guarding equipment where available.	Н				
<ul> <li>10. Can an ELECTRICAL hazard be created?</li> <li>Lack of insulation</li> <li>Contact with electrical conductors</li> <li>Poor earthing</li> <li>Water near equipment</li> <li>Lack of isolation</li> <li>Warning decals</li> </ul>	Y			Potential Electrical Hazard	A site specific risk assessment must be undertaken to determine controls prior to movement or operation	L				

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Potential Hazards		Haza		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A		00		on Plant	Level	By: (Name and Date)	(Name and Date)
11. Can an EXPLOSION or LOSS OF CONTENTS occur?  Gas emission, Dusts Vapours, lubricants Fuel tank Storage of haz chemicals/DG's near plant Warning decals Ejection of workpiece Collapse or fragmentation	Y			Injury to persons or damage to property	A site specific risk assessment must be undertaken to determine controls prior to movement or operation  Wear applicable PPE, including eye & ear protection.	М				
					Establish an exclusion zone and use screens or guarding equipment where available.					
<ul> <li>12. Can anyone using or near the plant SLIP, TRIP or FALL?</li> <li>Uneven surface</li> <li>Fall from a height</li> <li>Weather conditions</li> <li>Slippery surfaces</li> </ul>	Y			Potential Hazard – site specific	Site risk assessment must be undertaken by client prior to operating plant	L				
13. Are there ERGONOMIC - MANUAL HANDLING hazards associated with the plant?  Poor posture Repetitive or sustained movements Awkward positions Strained movements Poorly designed seating Access and egress Access for maintenance Routine inspections and		N								

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Potential Hazards		Hazaı	rd N/	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required on Plant	Final Risk Level	New or Additional Controls Action By:	Action Verified as Complete: (Name and
14. Are there ERGONOMIC	Y	N N	A				On Plant		(Name and Date)	Date)
15. Are there specific requirements for ISOLATION of energy sources?  Hydraulic pressure Compressed gases Electrical feeds/capacitors Motive power systems Suspended loads Operation by two or more persons	Y			Injury to persons or damage to property from contact with high pressure air/oils	A site specific risk assessment must be undertaken to determine controls prior to movement or operation	M				
16. Can unplanned LOSS of POWER create a hazard?  Engine shutdown Loss of electrical supply Loss of steering systems Ability to apply brakes and stop Ability to lower suspended loads	Y			Injury to persons or damage to property	Operator to perform daily pre-operational checks					

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Potential Hazards	ŀ	Hazar		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
17. Can anyone be SUFFOCATED?	Υ			Potential injury due to airborne dust & debris	Use in well ventilated area only.	L				
<ul> <li>Lack of oxygen</li> <li>Contaminated atmosphere</li> <li>Confined spaces</li> <li>Spaces where air flow is inadequate</li> </ul>					Use appropriate PPE, including suitably rated respirator mask where required					
18. Does operation of the plant cause extreme TEMPERATURE changes?  • Fire • Burns through conduction • Convection • Cryogenic burns	Y			Potential Fire Hazard from hot components contact with flammable materials	A site specific risk assessment must be undertaken to determine controls prior to movement or operation  Do not operate					
Operation in extreme heat or cold					on days of high fire risk. Refer to local fire & weather warnings.					
<ul> <li>19. Can a FIRE occur?</li> <li>Friction</li> <li>Ingress of materials/fluids</li> <li>Build-up of materials/lubricants</li> <li>Fuels</li> <li>Fire extinguisher</li> </ul>	Y			Potential Fire Hazard	A site specific risk assessment must be undertaken to determine controls prior to movement or operation	L				
					Do not operate on days of high fire risk. Refer to local fire & weather warnings.					

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Potential Hazards	ŀ	Hazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
<ul> <li>20. Can certain WEATHER conditions create a hazard?</li> <li>Hypothermia / extreme cold</li> <li>Heat stroke / extreme hot</li> <li>Wet conditions</li> </ul>	Y			Potential Hazard – site specific	Site risk assessment must be undertaken by client prior to operating plant.	L				
Electrical storms     Dirt & mud on roads at egress points					Observe local weather warnings.					
<ul> <li>21. Does VIBRATION of the plant create a hazard?</li> <li>Plant becomes unstable</li> <li>Causes physical problems for the operator whilst operating</li> <li>Vibration of equipment</li> <li>Operation could cause unacceptable vibration levels in nearby structures</li> </ul>	Y			Potential Hazard – site specific	Site risk assessment must be undertaken by client prior to operating plant.					
<ul> <li>22. Can the plant emit toxic FUMES or VAPOURS?</li> <li>Exhaust fumes</li> <li>Chemicals</li> <li>Haz chemicals/DG's</li> </ul>	Υ			Potential Hazard from exhaust fumes	Do not use in enclosed spaces. Ensure adequate ventilation	L				
<ul><li>23. Carry out NOISE survey on page 14. Is the plant noisy?</li><li>Emit &gt;85 dBA at the operator</li></ul>	Υ			Potential hazard with prolonged use	Please refer to Safety Precautions Use adequate	L				
Effects operator communication     Noise impacts on community during out-of-hours work (including reversing beepers)					hearing protection					

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Potential Hazards	ŀ	Hazaı		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
24. Carry out the LIGHT survey on page 14. Is there poor visibility			N/ A							
<ul> <li>At the controls</li> <li>At the task</li> <li>Darkens surrounding areas</li> <li>Light impacts on community or sensitive natural environment during out-of-hours work</li> </ul>										
25. Does the plant emit RADIATION?		N								
<ul><li>Eg X-rays</li><li>EMR</li><li>Laser</li></ul>										
26. Can operation of the plant create DUST?  Explosive atmosphere Breathing hazard Reduced visibility Nuisance dust at nearby community Impact on local flora and fauna Loss of topsoil and spread of weeds and pathogens	Y			Potential Hazard	Site risk assessment must be undertaken by client to ensure hazardous dust is not disturbed by plant/task (e.g. asbestos)  Exclusion zones and PPE (goggles, mask, protective clothing) will be required and a risk assessment must be undertaken onsite to determine PPE and controls	L				

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Potential Hazards	ŀ	Hazaı	rd	Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
	Υ	N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
27. Can the plant become UNSTABLE during operation?  Working on uneven / unstable ground Shifting load Lack of plant support Outriggers	Y			Potential Hazard – site specific	Please refer to Safety Precautions (attached) or Pages 7-11 of the Operator Manual Site specific risk assessment must be undertaken by client onsite to determine PPE and controls	L				
28. Could LOSS of LOAD occur?  Failure of ropes/slings Overloading Entanglement in surrounding structures Maintenance requirements		N								
29. Is there anything in the SURROUNDING ENVIRONMENT that may produce a hazard?  Power lines Low ceiling Other plant Storage areas Co-located equipment Isolation requirements Potential for flash flooding if operating adjacent to waterways Operating in known areas of weeds, pathogens or contamination Operating in sensitive environments requiring protection from offsite weeds/pathogens or spills	Y			Potential Hazard – site specific hazards	Site specific risk assessment must be undertaken by client to determine controls, PPE & exclusion zones.					

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Potential Hazards		Hazard		Describe Hazard	Controls	Current Risk Level	New or Additional Controls Required	Final Risk	New or Additional Controls Action	Action Verified as Complete:
		N	N/ A				on Plant	Level	By: (Name and Date)	(Name and Date)
<ul> <li>30. Can CHEMICALS create a hazard?</li> <li>Leaking from plant</li> <li>Splashing</li> <li>Explosion</li> <li>PPE considerations</li> <li>Spill kit considerations</li> </ul>	Y			Potential Hazard from fuel contamination	Operator to perform daily pre-operation check. Operator to observe safety instructions in relation to refuelling and oil/water level checks					
31. Operator TRAINING / QUALIFICATIONS?  Training requirements Qualification requirements Competency assessments Documentation Operator's manual Equipment experience Product knowledge	Y				All operators must completely read and understand the Operator Manual prior to operating plant. Undertake a Job Safety and Environmental Analysis before use of plant, and use to determine that the relevant safety procedures are in place before commencing work.	L				
32. Are there ANY OTHER potential hazards generated by or during the use of this item of plant and/or any attachments?	Y			Plant Failure	Pre – Operational Inspection	D	DAILY - Operators must complete Start-up checklist Operation checklist Parking Checklist			

ALL OPERATORS OF THE PLANT OR EQUIPMENT MUST BE BRIEFED ON THE PLANT HAZARD ASSESSMENT (PHA) PRIOR TO FIRST TIME USE.

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ANY RELEVANT CONDITIONS WHICH MAY IMPACT ON THE OPERATION OF THIS ITEM OF PLANT OR EQUIPMENT MUST BE TRANSFERRED TO THE AMS/TRA.



NOISE REPORT						
Equipment Type:	Telehandler	Serial/Asset No.	JCB5A41RVG204 853			
Make:	JCB	Model:	525-60			
Test by (print):	Leigh Evans	Date:	10/8/2023			
Signature:						
Sound Level Meter Ur	nit Used:					
Manufactures specifie	ed noise level:	>85 dBA				
Background level:		dBA				
Results - Operator's	Station	>85	>85 dBA High Idle			
(Equipment Operating	a)	>85	dBA Low Idle			
Comments:						
Noise level at operator position (Start Panel) is over 80 dB(A). Hearing protection must be worn at all times within the canopy when the unit is running. Failure to comply may result in hearing damage or loss.						
Results – Bystander Position: At 7 metres from side of equipment – Equipment Operating (High Idle)						
Front		dBA				
Rear		dBA				
Left		dBA				
Right		dBA				
Comments:						

LIGHTING REPORT							
Test by (print):		Date:					
Signature:							
Lux Meter used:							
Results - Operator's station							
At controls				Lux			
At emergency control				Lux			
In front/over task				Lux			
Left side task				Lux			
Right side task				Lux			
Comments:							
Results – Surroundings:							
Clearly seen by others?	□ Yes	□ No					
Decrease lighting in walkways	□ Yes	□ No					
Decrease lighting to other wor	□ Yes	□ No					
Comments:							

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This Hazard Identification and Risk Assessment has been prepared based on several key assumptions:

- 1. That all examples of the plant currently in service are as per their original specification.
- 2. That all examples of the plant have not been modified in any way without the prior written consent of the manufacturer or owner.
- 3. That all examples of the plant are operated and maintained in accordance with the Manufacturer's Instructions and with all applicable statutory requirements.

Northern Hire Group have made every attempt to identify all reasonable foreseeable operating circumstances in preparing this assessment, however no guarantee as to the completeness of this Assessment is provided or implied.

You should always check any applicable legislation and make your own judgement about what action you may need to take to ensure you have complied with the law.

It is the responsibility of the Employer, Contractor, Operator(s) to assess and identify any site or operation specific hazard associated with the use of this equipment specifically applicable to the task to be carried out and to where the equipment is to be used or located. They must assess the risk potential for each of the identified hazards and ensure that all reasonably practicable steps are undertaken to ensure those risks are effectively controlled.

All operators must be trained and competent in the use of this plant and hold appropriate qualifications as required by applicable regulatory requirements.

Operators of the plant to which this Risk Assessment refers must read and understand the instructions for Use and Warnings contained in the Operator Manual, or supplied with this Assessment, prior to use.

All daily Pre-Start checks, Routine and Periodic Inspections, Maintenance and Repairs to this plant must be carried out in accordance with the requirements of applicable Australian Standards.

NOTES:	

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