

RISK ASSESSMENT

Assessment Title:	Loading Shovel	Reference Number:	RA009.01
		Company Name:	Oakbank Plant Hire Ltd
		Department / Location:	Oakbank Plant Hire Ltd

Risk Assessment Matrix

Risk Ratings Highlighted in 'Orange' are to be discussed– potential improvements. Risk Ratings Highlighted in 'Red' need immediate action.

<i>Risk = Likelihood x Consequence (Multiply 'X' axis by 'Y' axis)</i>		Consequence (Y)	Catastrophic (5)	5	10	15	20	25
1 – 4	Acceptable		Major (4)	4	8	12	16	20
5 – 9	Adequate		Moderate (3)	3	6	9	12	15
10 – 15	Tolerable		Minor (2)	2	4	6	8	10
16 – 25	Unacceptable		Insignificant (1)	1	2	3	4	5
			Remote (1)	Unlikely (2)	Possible (3)	Probable (4)	Certain (5)	
			Likelihood (X)					

Any queries arising from this risk assessment shall be addressed immediately with Line Management / Health & Safety Manager

Hazard(s)	Risks of Harm	Persons at Risk	Risk Rating(s)			Existing Control Measures	Residual Risk Rating(s)		
	<i>Related to hazard identified</i>	<i>Persons at risk from identified hazards</i>	X	Y	R	<i>Existing controls measures implemented when carrying out task or using associated plant / tooling</i>	X	Y	R
Moving Vehicles / Plant (Workplace Transport)	Loading Shovel colliding with persons, structures or vehicles	Site operatives, contractors, visitors, any-one in the vicinity	3	4	12	<ul style="list-style-type: none"> Only authorised fully trained operators are permitted to operate Loading Shovel Working practices / Safe Systems of Work for each area to be adhered to all time s Prior to movements / reversing the operator must perform checks for pedestrians / other vehicles Safe working distances must be maintained between other machinery operating in the vicinity Speed limits to be adhered to at all times when using the Loading Shovel Operator to maintain visibility at all times – from inside the vehicle cab as well as externally i.e. lights, markers etc. All staff required to work within the area must wear the appropriate Personal Protective Equipment (PPE) - hard hat (where required) & hi – visibility clothing 	2	4	8
Failure of Lifting Equipment	Impact injuries / crushing resulting from failure of lifting components	Operator, pedestrian operatives and any persons in the vicinity	4	4	16	<ul style="list-style-type: none"> Loading Shovel and any attachments to be Thoroughly Examined under the Lifting Operations & Lifting Equipment Regulations (LOLER) Safe Working Load (SWL) to be adhered to at all times during Loading Shovel operations Daily checks of any equipment to be carried out and recorded by the operator prior to operation of any machinery or equipment. Loading Shovel to be regularly maintained and serviced in line with manufacturers data Operator to ensure load is secured prior to moving No persons to be underneath raised boom 	2	4	8

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	<i>Related to hazard identified</i>	<i>Persons at risk from identified hazards</i>	X	Y	R	<i>Existing controls measures implemented when carrying out task or using associated plant / tooling</i>	X	Y	R
Overhead Cables	Electrocution	Operator and any persons in the vicinity	3	4	12	<ul style="list-style-type: none"> Trained banksman to assist with any manoeuvre where required in the vicinity of overhead cables Overhead cables to be identified and marked – Loading Shovel operations within the vicinity are not permitted Communication will be made with Loading Shovel operators to provide relevant information regarding live services on site Where possible cables or obstructions to be removed / isolated, or re-route to avoid completely Goal posts to be erected in appropriate locations to where high electricity is present 	1	4	4
Machine / Plant Instability (Overturning)	Loading Shovel overturning causing crushing of persons or property	Operator, pedestrian operatives and any persons in the vicinity	4	4	16	<ul style="list-style-type: none"> Competent fully trained persons only to operate Loading Shovels on site Site conditions to be assessed to establish excessive floor gradient Loading Shovel must only operate in the maximum gradients defined within the operator's manual Safe Working Load (SWL) must be adhered to at all times when using the Loading Shovel The machinery must only be moved in a straight line in the lowest gear with any load raised, the minimum amount of movement with a raised load must take place. Speed limits to be adhered to at all times when using the Loading Shovel, speed to be kept as low as possible, in particular when turning or operating on uneven surfaces Where fitted by the manufacturer or when fitted retrospectively, seat restraint to be worn by the operator at all times Operators must not try to jump from an overturning vehicle. 	2	4	8
Falling Material / Load	Impact injuries / crushing resulting from materials falling	Operator, on-site operatives and any persons in the vicinity	3	4	12	<ul style="list-style-type: none"> Before any loads are lifted ensure that there are no loose parts that may fall during a lift. Loads to be secure when lifted – check to take place as to stability. No persons should be under any raised load or structure at any time. 	2	4	8

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	<i>Related to hazard identified</i>	<i>Persons at risk from identified hazards</i>	<i>X</i>	<i>Y</i>	<i>R</i>	<i>Existing controls measures implemented when carrying out task or using associated plant / tooling</i>	<i>X</i>	<i>Y</i>	<i>R</i>
Re-fuelling	Fire / Explosion	Operator and anyone in the vicinity of fuel	3	5	15	<ul style="list-style-type: none"> • Refuelling to be carried out in designated area only. • Operators refuelling to wear suitable PPE and any fuel splashes to be washed off skin immediately. Contaminated clothing to be changed. • No smoking and all naked flames prohibited in the area of refuelling operations. • Refuelling to be carried out by trained competent staff. • Allow components that operate at high temperature to cool before starting fuelling operations. 	2	4	8