

RISK ASSESSMENT FOR PIPE LIFTING SYSTEM.

ORGANISATION: Sinoboom Australia	DESCRIPTION: Generic Pipe Lifting System (Boom)	DATE: 29/07/2024
ASSESSMENT CONDUCTED BY: Mitch Ely	ADDRESS: 32 Marni Street Dandenong South, Vic 3175	REVISION: 1

Hazard No.	Hazard Description (the situation or parts of plant which could cause injury or illness)	Describe the control measure to be implemented	Method on which the control measure will be implemented.	For Action by Whom	Confirmation that the necessary action has been completed
1.	Potential crushing hazard due to falling pipes from incorrect assembly of system.	The system has been design for ease of assembly	Operations Manual details assembly of unit	SA	Action completed
		Operations manual details assembly of unit	Safe use decal on system states to read operators manual	SA	Action Completed
		The operator must not install or remove system	Instructions have been provided in the operations manual.	Operator	
2.	Potential crushing hazard due to falling pipes from worn or defective parts	System is fitted by competent people only and is robust in design.	Safe use decal on system states to read operators manual	SA	Action Completed
		Operator is to perform pre start inspection before use.	Operator to read safe use decal and operations manual	Operator	

Hazard No.	Hazard Description (the situation or parts of plant which could cause injury or illness)	Describe the control measure to be implemented	Method on which the control measure will be implemented.	For Action by Whom	Confirmation that the necessary action has been completed
3	Potential crushing hazard due to falling pipes from incorrect installation into machine.	System is to be installed by competent people only.	Safe use decal on system states to read operators manual	SA	Action Completed
		Operator must not install or remove system from machine.	Operator to read safe use decal and operations manual	Operator	
4	Potential crushing hazard to installer due to pinch areas during the installation procedure.	System is to be installed by competent person only.	Warning Decal on system detailing hazard and to wear gloves	SA	Action Completed
		Installer to take care when loading pipes or adjusting the height of the system.	Safe use decal on system states to read operators manual.	Operator	
5	Potential crushing hazard due to falling pipes from fitting system to incorrect machine.	Operations manual details which machines can be used	Safe use decal & operation manual outlines correct identification of RMC.	SA	Action Completed
		Operator must not install system into machine which is not listed in the operation manual.	Operator to read and follow safe procedures on decal	Operator	

Hazard No.	Hazard Description (the situation or parts of plant which could cause injury or illness)	Describe the control measure to be implemented	Method on which the control measure will be implemented.	For Action by Whom	Confirmation that the necessary action has been completed
6	Potential crushing hazard to workers below machine due to falling pipes from elevated machine.	Operations manual outlines work area to be cleared before lift procedure.	Safe use decal on system outlines hazard and refers to operation manual.	SA	Action Completed.
		Site inspection and proper work practices to be implemented before system work commences.	Safe use decals on system outlines hazard and refers to operation manual.	Operator	
7	Potential crushing hazard from falling pipes due to loaded system and driving elevated.	Safe use decal on system states take care when driving elevated when loaded.	Safe use decal on system states to read operator's manual	SA	Action Completed
		Operator must not drive machine with system loaded while elevated.	Operator to read and follow safe procedures on decal	Operator	
8	Potential tip over hazard from excessive wind speed while machine is elevated and system is loaded.	System is designed for restricted outdoor use. Wind application:(10m/s)	Safe use decal on system detailing hazard and operation manual outlines control measure.	SA	Action Completed
		Operator must not operate machine in winds exceeding 10m/s	Safe use decal on system detailing hazard and operation manual outlines control measure	Operator	

Hazard No.	Hazard Description (the situation or parts of plant which could cause injury or illness)	Describe the control measure to be implemented	Method on which the control measure will be implemented.	For Action by Whom	Confirmation that the necessary action has been completed
9	Potential crushing hazard due to falling pipes from excessive wind speeds	Design of system prevents pipes from moving in the attachment head.	Safe use decal and operation manual detailing hazard	SA	Action Completed
		Operator must not operate machine in winds exceeding 10m/s	Safe use decal on system detailing hazard and operation manual outlines control measure	Operator	
10	Potential crushing hazard due to falling pipes from structural overload of system.	System has been structurally designed by Sinoboom to the relevant Australian Standards	Safe use decal & operation manual outlines correct Rated Max Capacity.	SA	Action Complete
		Operator to ensure correct loading of system.	Operator to read and follow safe procedures on decal	Operator	
11	Potential crushing and tip over hazard due to increase in machine length from loaded attachment.	Machine is not to be driven while elevated.	Safe use Decal on system & operation manual outline hazards	SA	Action Complete
		Operator to ensure machine is not driven while elevated.	Operator to read and follow safe use decal & operation manual.	Operator	

Hazard No.	Hazard Description (the situation or parts of plant which could cause injury or illness)	Describe the control measure to be implemented	Method on which the control measure will be implemented.	For Action by Whom	Confirmation that the necessary action has been completed
12	Potential tip over hazard due to operating machine on slope while system is loaded.	Machine / system combination has been design to operate on flat level ground.	Safety decal on system & operations manual state use of system on flat level ground.	SA	Action Complete
		Danger decal on system states to read operation manual	Operator to read and follow safe procedures on decal	Operator	
13	Potential tip over hazard from excessive wind speed while machine is elevated and system is loaded.	With system installed the occupancy of the machine is restricted to three people.	Safe use decal on the side of the machine detailing hazard and operation manual outlines control measure.	SA	Action Complete
		Operator must not exceed the number of people on the platform while system is installed.	Safe use decal on machine detailing hazard and operation manual outlines control measure	Operator	

NOTES:

1. SA: Refers to the person legally responsible for the design of the unit: it generally means the importer, the company or the legal entity that has responsibility under the health and Safety legislation in the state or territory in which the unit has been imported.
2. OP: Is the operator, authorised by management and responsible for the operation and preoperational inspection and use of the unit.

GENERAL NOTES:

1. This Risk Assessment has been prepared by Sinoboom Intelligent Equipment Pty Ltd (SA) for the subject plant and is not transferable to other plant or parties.
2. This Hazard Identification and Risk assessment document has been prepared based on information available at the date of publication. In order to ensure this Hazard Identification, Risk Assessment, Risk Control document is both accurate and complete; "Management of the Unit" must review it:
 - a) According to the particular circumstances under which the plant and/or process is used and maintained,
 - b) As new hazards are identified or as risks are re-assessed,
 - c) As new or revised control measures are implemented,
 - d) As and when work procedures are altered.
3. Column for completion has been provided on the document to allow the "Management of the Unit" to record that their Hazard Identification, Risk Assessment and Risk Control process has been completed and that all controls are in place and operating, When this column is completed the document becomes a record of the finalization of the process and the documentation (subject to any changes which need to be further reviewed in accordance with item 2 above).
4. The use of the word "AND" or "&" in the supplementary risk control measure column is intended to mean that the combination of risk control measures are to be implemented on the whole not in part.
5. The determination of risk, columns for risk identification is a subjective assessment based on the following factors: exposure – the number of times humans are exposed to the risk, the probability of the hazard arising, and the consequence of the hazard – death or serious injury.