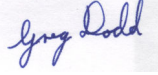




Risk Assessment

Client: Earthmoving Systems Pty Ltd	Contact: Warren Savage	Phone: 0418 828 242
Address: 35 Chapman Road Hackham SA 5163	Fax: 08 8384 2630	Email: ws@earthmoving.com.au
Item/tool/attachment: Sleeper Grab	Model: SLGB300	Serial No: Type Assessment
Assessment By: Greg Dodd, Managing Consultant, Safety Valve Consulting	Signature: 	Date: 20 th March 2013

Note: Risk Ratings range from 5 (Low) to 1 (High) And Basic Risk Rating is “as is” whilst Modified Risk Rating is with recommended controls in place.

	Item, Part or Process	Hazard(s) Involved	Basic Risk Rating	Hazard Control(s) In place (P) or recommended (R)	Modified Risk Rating	See comment below
1	Operator Ergonomics Controls – position	Repetition injury Entrapment/Crushing of fingers: <ul style="list-style-type: none"> • Early type handle • Current type handle 	5 3 4	Low frequency of use makes this unlikely. SWMS and operator training/experience. SWMS and operator training/experience.	5 4 5	(a)
2	Moving parts – articulated arms etc	Entrapment/Crushing/shearing of fingers	3	Grab is effectively automatic for most operations and does not normally require manual intervention whilst articulating. <ul style="list-style-type: none"> • SWMS & operator training/experience. • Avoid manually handling grab. • Wear protective gloves 	4	(b)



	Item, Part or Process	Hazard(s) Involved	Basic Risk Rating	Hazard Control(s) In place (P) or recommended (R)	Modified Risk Rating	See comment below
3	Machine Capacity <ul style="list-style-type: none"> Sleeper Grab Lifting gear (slings chains etc) Lifting plant 	Load falling from grab – damage, injury or death	2	<ul style="list-style-type: none"> Grab must be inspected before use and in service for any sign of mechanical failure or undue wear or damage to the gripping pads. (Refer to manufacturer for complying replacement parts.) SWL of Grab (300kg) must not be exceeded. 	3	(c)
		Breakage, fall of load, damage, injury or death.	2	<ul style="list-style-type: none"> OEM or exact replacement shackle must be used. Slings, chains etc must have sufficient capacity and be in serviceable condition. 	3	(c)
		Overloading/collapse/rollover/ other injury/death to persons.	2	<ul style="list-style-type: none"> SWMS must ensure loads are never lifted over persons. SWL of lifting plant must not be exceeded 	3	(c)
4	Operating Environment	Uneven working surfaces:				
		<ul style="list-style-type: none"> Instability of load – impact to persons or damage Manual task injury due to attempting manual load restraint 	2	Ensure the working surface is satisfactory for plant and suspended load stability.	4	
			3	Avoid manual contact with load (use rope or similar if needed)	5	



	Item, Part or Process	Hazard(s) Involved	Basic Risk Rating	Hazard Control(s) In place (P) or recommended (R)	Modified Risk Rating	See comment below
5	Documents/records OEM Operation Instruction SWMS Maintenance Records	Reasonably necessary to demonstrate legislative compliance	- - -	Should be available to users of the grab. Should involve users of the grab. Should be kept on file for the life of the grab.	- - -	
6	Operator Competencies (Sleeper Grab)	Safe & efficient operation requirement	-	R – Required to meet WHS Regulations	-	
7	Operator Competencies (Load Shifting Plant) Experience/test on this machine and with this attachment.	Legal & safe operation requirement Safe & efficient operation requirement	- -	R – Required to meet WHS Regulations R – Required to meet WHS Regulations	- -	
8	Owner/operator risk management	Legal & safe operation requirement	-	R – Safe Work Method Statement (SWMS) recommended and may be mandatory for operation on commercial building sites.	-	



Comments: The tool was inspected in new condition and was not observed in operation except for video footage. Hence, this report is limited to the physical inspection of the tool and a review of its documentation in the knowledge of the usual uses of grabs of this type and size. For the most part, the matters listed are also reasonably well covered in the manufacturers Operation instruction.

- (a) Retro fitting current model handle to early model grabs is recommended.
- (b) The use of the grab, like most building or construction site tasks, should be subject to risk controls indicated by a Safe Work Method Statement (SWMS) specific to the circumstances of the site and task.
- (c) A Modified Risk Rating of 3 results when the worst potential consequence is a fatality, even if the probability of occurrence is at its lowest level. This should not be a deterrent to using the equipment, but a signal that all recommended precautions, and any arising from site/task specific SWMS, should be taken.

Risk Assessment Matrix

Severity of Consequence	Probability	Risk Assessment Matrix																																
Extreme (Fatality – permanent injury) High (Serious LTI) Medium (LTI) Low (Minor injury)	Frequent (Daily)	<table border="1"> <thead> <tr> <th rowspan="2">Probability</th> <th colspan="4">Severity of Consequence</th> </tr> <tr> <th>Extreme</th> <th>High</th> <th>Medium</th> <th>Low</th> </tr> </thead> <tbody> <tr> <td><i>Frequent</i></td> <td>1</td> <td>1</td> <td>2</td> <td>3</td> </tr> <tr> <td><i>Occasional</i></td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> <tr> <td><i>Remote</i></td> <td>2</td> <td>3</td> <td>4</td> <td>5</td> </tr> <tr> <td><i>Improbable</i></td> <td>3</td> <td>4</td> <td>5</td> <td>5</td> </tr> </tbody> </table> <p style="text-align: center;"> Risk Rating (circle one): 1 2 3 4 5 High Risk → Low Risk </p>				Probability	Severity of Consequence				Extreme	High	Medium	Low	<i>Frequent</i>	1	1	2	3	<i>Occasional</i>	1	2	3	4	<i>Remote</i>	2	3	4	5	<i>Improbable</i>	3	4	5	5
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Remote (Monthly - yearly)																																		
Improbable (More than a year)																																		

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