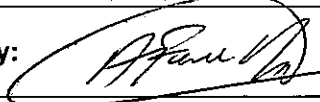
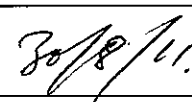


Nilfisk-Advance

Physical Plant Risk Assessment

22nd August 2011

National Safety Council of Australia Ltd
Suite -901 Level 9
418a Elizabeth Street
Surry Hills NSW 2010
Telephone: 02 9213 6299
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Prepared by:	Bruce Johns Senior Consultant	Date: 22 nd August 2011
Approved by:		Date: 

Introduction:

The following document details a Physical Plant Risk Assessment conducted on a "Nilfisk Advance BR 855" following a request by the Sydney Office of Nilfisk Industrial & Commercial Division

Methodology:

The Physical Plant Risk Assessment of the identified Nilfisk Advance BR 855 [Refer to Table 1.0] was conducted on Monday 22nd August 2011, at Nilfisk Industrial & Commercial Division Silverwater NSW premises.

Table 1.0

Plant Type/Model: Nilfisk Advance BR 855

The assessment was conducted utilising a preformatted checklist, and by conducting a job task analysis.

Results:

Refer to Attachment 1

Comments/Recommendations

Refer to Attachment 2

Note: The advice and recommendations contained herein are based on information supplied during the consultancy. The National Safety Council of Australia Ltd. (NSCA) believes that the advice and information herein is accurate and reliable but no warranty of accuracy or reliability is given and no responsibility arising in any way whatsoever for errors or omissions (including responsibility to any person by reason of negligence) is accepted by NSCA or any member, officer or employee of NSCA

Potential Hazard	Identified		Control Method in Use	Yes		Additional Control Methods Required	Action Date	Completion Date
	Yes	No		No	N/A			
Crushing/Cutting:								
Can any person be crushed/cut due to:								
[a] unexpected movement of the Plant	no		Neutral Switch	Y				
			Reversing/brake alarm	Y				
			Amber flashing beacon	N/A				
			Electromagnetic brake system	N/A				
			Reverse/Forward Pedal-non slip surface	Y				
			Controls have appropriate knobs	Y				
			Reversing Lights	N/A				
			Rear view mirror	N/A				
			Operator training	Y		delivered by Nilfisk		
		No		Service Brake operational	N/A			
[b] Lack of Capacity for plant to be slowed, stopped or immobilised			Parking brake operational	N/A				
			Electromagnetic brake system	Y				
[c] The plant tipping or rolling	No		Low centre of gravity	Yes				
			Only to be operated on slope less than 16 degrees - User Manual	Yes		Driver Awareness Training		
[d] Being thrown from plant			Hopper dumping procedure in User manual - (level ground)	Yes				
	No		Seat belt fitted	n				

Potential Hazard	Identified		Control Method in Use	Yes No N/A	Additional Control Methods Required	Action Date	Completion Date
	Yes	No					
	Yes	N/A	Safe Work Procedure for use on inclines - User Manual	Yes	Driver Awareness Training		
[e] Coming into contact with sharp objects	Yes		Guarding	Yes			
			No visible signs of sharp objects	Yes			
			Rolled metal edges	Yes			
			Rubber beading on hood edges	Yes			
[f] Hopper lowering accidently	no		Hopper support rod fitted	n/a			
			Hydraulically operated hopper cover	n/a			
Striking: can any person be struck by moving parts due to:							
[a] Working pieces being ejected	no		Machine guarding in place				
			Quick-hitch independent Latching device supplied	n/a			
[b] Mobility of plant travelling 3m turning circle, vehicle swings from the rear	Yes		Operator training	Yes	In manual		
			Reversing Alarr	Y			
			Amber flashing light	n/a			
			Rear Operation light	n/a			
[c] Controls Identified	Yes		Controls indentified	Yes	In manual		
			Instruction decals in English	Yes			
[d] Other Items							

Potential Hazard	Identified	Control Method in Use	Yes	Additional Control	Action	Completion
	Yes No	N/A	No N/A	Methods Required	Date	Date

Entanglement: can anything become entangled in moving parts?

Falling/Slipping	any person fall/slip due to:	can	Yes	Guards installed	yes	Check brushes regularly	on-going	as required
[a] Lack of proper platform		no		non-slip surface				
[b] Poor floor or walking surface		yes		non-slip surface	yes	worksite	on-going	as required
[c] Lack of proper stairs/steps		no		Access step in place				
		no		non-slip surface on step				
		no		Step allow easy access				
[d] lack of guardrails/handralls or grabs		no		Simple handle system				
[e] Poor housekeeping			n/a	No visible signs of excessive lubricant leakage				
		no		Operator station clear of debris				
[f] Other Items								

Potential Hazard	Identified		Control Method in Use	Yes		Additional Control Methods Required	Action Date	Completion Date
	Yes	No		No	N/A			
Ergonomics:								
Can anyone be injured due to:								
[a] Poor seating	NO		Seat in safe usable condition					
			Lumber support	Y				
[b] Constrained body effort	Yes		control levers in operators reach be it at floor level					
			Seat adjustment: controls operational					
	Y							
[c] Other Controls confusing and hard to read or reach	NO		Controls and dials easy to understand					
			Controls easy to reach					
High Temperature:								
Can any person be burnt due to coming in contact with hot parts?								
		n/a	Exhaust guarding					
Electrical:		Can anyone						
be shocked due to:				n/a				
[a] Coming into contact with live electrical conductors	Yes		Battery well housed					
[b] Damaged to Batteries	NO		Batteries are leaking					
[c] Damaged switches	NO		No visible signs of damage					

Potential Hazard	Identified		Control Method in Use	Additional Control		Action Date	Completion Date
	Yes	No		Yes	No		
[d] batteries not protected	Yes		Battery guards/covers fitted				
[e] Damaged Leads	NO		No visible signs of damage				
	Yes		Electrical wires protected/covered				
[e] Other items		n/a					
Other Hazards: Can anyone be injured due to:							
[a] Fumes		n/a	Engine fumes no excessive at high idle				
[b] Noise		NO	User Manual indicates that the noise level at operator is 60Db (in limits)		Recommendation - end user to conduct an individual noise survey based on usage		
[c] Replacing Brushes	Yes		User Manual has detailed procedure for this process		Follow Operators manual procedure - driver training		
	Yes		Lifting Points approved				
[d] jacking/lifting	Yes		Safe Work Practices for lifting in user manual		apply correct manual handling techniques		
	Yes		Lift points indicated in user manual				
Operator: Have the following been addressed?							
[a] Does the operator hold a Certificate of Competency or Safety Qualification card to operate this item of plant?	NO		Qualification Certificate/licence requirements covered in user manual	Yes	Onsite driver training to assess competency		

Potential Hazard	Identified		Control Method in Use	Yes		Additional Control Methods Required	Action Date	Completion Date
	Yes	No		No	N/A			
[b] Operation Manual Issued	Yes		Available on Internet					
	Yes		Reversing/travel alarm					
	Yes		Manual in English					
	Yes		Manual in readable condition					
Documentation: Can			Attachment instructions available					
documentation be provided for:								
[a] Maintenance Schedule	Yes		Maintenance in User manual					
			Date of last entry	n/a				
[b] Service/Maintenance Records; Crack testing report	Yes		Records maintained by company and available on request					
[c] Tag-out procedures	Yes		electromagnetic braking system					
[c] The plant tipping or rolling	Yes		Turn key off and remove from ignition. Reiterated in Operation Manual					

Physical Plant Risk Assessment Summary

Attachement 2

Company: Nilfisk Advance		Plant Type: Advance BR 855			
Serial Number:		Plant Number:			
Item	Yes No N/A	Comments	Item	Yes No N/A	Comments
1. Guarding guarded	Yes		12. Noise Level	yes	In limits
2. Audible Alarm Fitted	Yes		13. Fluid Leakage Condition	yes	
3. Visual Alarm Fitted	n/a		14. Windows Condition	n/a	
4. Warning Signs Fitted	yes		15. Quick Hitch Fitted	n/a	
5. Park Brake Operational	n/a		16. Lifting Points Condition	yes	
6. Protective Structure Fitted/type	yes		17. Fire Protective Supplied	n/a	
7. Seatbelts	no	Can be fitted if client requires	18. Pre-start checklist Issued	yes	
8. Safety Bars/Props Supplied	n/a		19. Service History Documented	yes	
9. Controls	Identified		20. Operation Manual Supplied	yes	
10. Work/Walk Platforms Condition	yes	Non-slip	21. Operators Details	n/a	
11. Step/Hand Grips	Fitted		22. Risk Assessment	yes	

In place

Plant label attached

General Comments:

The conclusion of the Physical Plant Risk Assessment of the identified "Nilfisk Advance BR 855" Scubber, as conducted on the 22nd August 2011, is that the forementioned plant item is equipped with sufficient safeguards and safety signage with respect to its potential risk exposure

It is recommended, however, that consideration is given to the manual handling aspects of this plant including to ensure operators do not lean over the handle to remove or replace the dust hopper, Hopper should be operated from the side of the machine. Also for the operator to bend their knees when adjusting brush settings

Assessor: Bruce Johns

Agency: National Safety Council of Australia

Date: 22 August 2011

Signature:

