

Fork Force Australia

					Risk Matr	ix		
Assessment Number: Assessment Date	e: 21/03/2023	3	Consequences		Lik	elihood or Probat	oility	
Plant Type: Forklift Plant Make: ENFORCER Plant Model: 8 08X2US	FLDCXT25-		People	Almost Certain (expected)	Likely (will probably occur)	Moderate (might occur – has happened)	Unlikely (could occur - known to happen)	Rare (practically impossible)
Asset/Fleet/Rego #32934 Plant Serial No. 18BB06191								
			No Incident or First Aid Injury	High	Medium	Low	Low	Low
Assessment Facilitated by: (Name & Title)				15	19	22	24	25
(Name & Title)			Medical Treatment	High	High	Medium	Low	Low
Assessment Participants:			Alternate Work or	10	14	18	21	23
(Name & Title)			Lost Time Injury	Extreme	High	High	Medium	Medium
				6	9	13	17	20
			Serious or	Extreme	Extreme	Extreme	High	High
Plant Owner Name: FORK FORCE AUSTRALIA			Permanent Injury	3	5	8	12	16
			Fatality	Extreme	Extreme	Extreme	Extreme	High
Initial Assessment Follow up Assessment (See below	v) 🗌			1	2	4	7	11
Follow up based on change to: Use of plant System of work	Plant Env	/ironme	ent New or additi	onal informa	tion 🗌 Pla	ant through m	odification [
Any hazard assessed as presenting a low and/or medium risk level will be controlled using a controlled using	mbination of contr	rols as appı	ropriate.					
Any hazard assessed as presenting a high risk level must be controlled using a combination of a	nt least one engine	ering contr	ol and lower level controls as a	ppropriate. Where	this is not possib	le, Workplace Mana	ger consultation n	nust take place.
Any hazard assessed as presenting an extreme risk level will be controlled using elimination and	d engineering as th	he primary	source of controls. Where this	is not possible, Wo	rkplace Manager	consultation must ta	ke place.	
Is the plant designed to perform the task?	Yes X	No 🗌						
Has the plant been modified from the original condition?	Yes □	No X						
rias the plant been mounted from the original condition?	162	INO V						
Is the plant in good working condition and free of weeds & mud?	Yes X	No 🗌						



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All identified action items	close	ed o	ut/add	ressed (plant checks)?	Yes X No 🗌					
Is the plant safe to operate closure)	e? (0	On c	omple	etion of PHA and action	Yes X No ☐ Dat	e: <u>14/01/20</u>	19 Signatur	e: <u>Adrian</u>	Martin	
	ı	Haza	ırd		Controls Currently In	Current	New or Additional	Final	New or Additional	Action
Potential Hazards	Y	N	N/A	Describe Hazard	Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
1. Are there any specific warnings or conditions (manufactures or other) relating to potential hazards from the operation of the item of plant?	Y			1 Safe operation 2 Qualifications 3 Machine maintenance	Competency checks Daily machine Inspections Operating manual supplied Use only qualified repair	Low 21				

men and mechanics

5 Use machine only for

tasks it is designed for

Refer to technical or

safe use instructions

List any relevant safety warning hazards & controls

operating manuals, SOPs,



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Potential Hazards	Υ	N	N/A	Describe Hazard	Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
2. 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			Collision with persons Damage to structures/plant from collision Possible injuries from roll over	1. Spotter to be supplied when load restricts operators view and at at all times when reversing 2. Flashing hazard light to Function at all times 4. Reversing alarm 5. Driving lights 6. Exclusion zones erected when required 7. When entering /leaving site use uhf channel19	Extreme 4	Inspection of work area prior to task Inform workers of plant presence at pre-start	High 12	Operator and T&M staffdaily	



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		Haza	ard		Controlo Currently In	Current	New or Additional	Final	New or Additional	Action
Potential Hazards	Υ	N	N/A	Describe Hazard	Controls Currently In Place on Plant	Place on Plant Level Controls Required		Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
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			Body falling from plant and becoming entangled	Seat belt to be worn at all times when operating	Low 21				



		Haz	ard		Controls Correctly In	Current	New or Additional	Final	New or Additional	Action
Potential Hazards	Υ	N	N/A	Describe Hazard	Controls Currently In Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	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	Y			1. Load shifting causing roll over 2. Injuries from forks of plant 3. Collision with plant/persons 4. Pinch points in mast and Carriage Carriage	1. Flashing hazard light 2 Reversing alarm 3. Rear view mirrors 4. Horn 5. Seat belt 6. Warning decals on machine	Low 21	 Daily documented check of plant by operator Handbrake to be engaged when machine idle Qualified operators only Forks to be left lowered when not in use, and as close to ground when moving Check loads are evenly stacked prior to lifting Apply set standards when moving loads on inclines Do not work under a suspended load Wear seat belt at all times Spotters at all times Exclusion zones when needed Caution when manually adjusting fork tynes 	Low 24	Operator daily T&M employees to assist	
Fork Force Australia Plant Haza	ard A	sses	sment F	brm	Fo	rk Force Aus	ralia Pty Ltd			Page 5 of 26



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		Haza	ard		Controlo Currently In	Current	New or Additional	Final	New or Additional	Action
Potential Hazards	Υ	N	N/A	Describe Hazard	Controls Currently In Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
5. Can anyone be CUT, STABBED or PUNCTURED? • Flying objects • Moving parts • Pinch points • Sharp edges • Isolation devices • Warning decals • Guarding	Y			1. Body injuries from forks	Leave forks on ground when not in use Keep forks low when mobile	21	Nil	21		
6. Can SHEARING occur? Between two moving and rotating parts Between fixed and moving parts Warning decals Guarding			N/A							



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		Haza	ard		Controls Comments In	Current	New or Additional	Final	New or Additional	Action
Potential Hazards	Υ	N	N/A	Describe Hazard	Controls Currently In Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
 7. Can ABRASION, TEARING or STRETCHING occur? Continuous contact with moving parts Warning decals Guarding Pulling/pushing 			N/A							
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		N								



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Potential Hazards	Υ	N	N/A	Describe Hazard	Controls Currently In Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
 9. Can a hazardous PRESSURE be produced? Hydraulic hoses Radiator Come into contact with fluids under high pressure 	Y			Hydraulic system creating pressure build up	Monitor dials Checks fluids daily Look for leaks Do not operate if faults detected	Low 21				
10. Can an ELECTRICAL hazard be created? Lack of insulation Contact with electrical conductors Poor earthing Water near equipment Lack of isolation Warning decals		N								



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Potential Hazards	Υ	N	N/A	Describe Hazard	Controls Currently In Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
 11. Can an EXPLOSION or LOSS OF CONTENTS occur? Gas emission, Dusts Vapours, lubricants Fuel tank Storage of Hazsub's/DG's near plant Warning decals Ejection of workpiece Collapse or fragmentation 	•			Fuel explosion (diesel) Gas build up around battery Gil burns	1. Keep fuel away from ignition sources 2. Allow 2-3 minutes for machine to cool before re-fuelling 3. Use funnel for re-fuelling 4. Re-charge battery in well Ventilated area 5. Do not operate if leaks detected 6. Ensure fire extinguisher on hand and in date 7. Refer to sds of fuel	21I				
 12. Can anyone using or near the plant SLIP, TRIP or FALL? Uneven surface Fall from a height Weather conditions Slippery surfaces 	Y			1. Slips/trips/falls	1. When mounting/alighting machine ,use steps and handrail to assist 2 Maintain 3 points of contact 3 Do not stand on forks Whilst machine moving 4 Do not exit cabin of plant while machine running 5 Do not climb on plant to work exceeding 1.8m work at height limit	21				



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Potential Hazards	Υ	N	N/A	Describe Hazard	Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
13. Are there ERGONOMIC - MANUAL HANDLING hazards associated with the plant?		N								
 Poor posture Repetitive or sustained movements Awkward positions Strained movements Poorly designed seating Access and egress Access for maintenance Routine inspections and adjustments 										



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Potential Hazards	Υ	N	N/A	Describe Hazard	Controls Currently In Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
14. Are there ERGONOMIC - OPERATING CONTROL hazards associated with the plant? Difficult to understand Inappropriate colouring Function not identified Inappropriate controls & switches Access and egress Labelling of controls and indicators Variation in operators Operation by two or more persons		N								
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			1 Overheating	1. Operator to monitor dials regularly 2. Check all fluids daily 3 Keep hood shut to prevent risk of burns from hot engine parts	Low 21				



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Potential Hazards	Υ	N	N/A	Describe Hazard	Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
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		N								
17. Can anyone be SUFFOCATED? Lack of oxygen Contaminated atmosphere Confined spaces Spaces where air flow is inadequate		N								



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Potential Hazards	Υ	N	N/A	Describe Hazard	Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	
18. Does operation of the plant cause extreme TEMPERATURE changes? • Fire • Burns through conduction • Convection • Cryogenic burns • Operation in extreme heat or cold		N								
 19. Can a FIRE occur? Friction Ingress of materials/fluids Build-up of materials/lubicants Fuels Fire extinguisher 	Y			1. Explosion from fuel ignition	1. Fire extinguisher	Low 21				



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Potential Hazards	Υ	N	N/A	Describe Hazard	Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
20. Can certain WEATHER conditions create a hazard? Hypothermia / extreme cold Heat stroke / extreme hot Wet conditions Electrical storms Dirt & mud on roads at egress points	Y			Environment disturbance by tracking mud onto sealed surfaces	Tyres to be cleaned before travelling on bitumen roads	21 21				
21. Does VIBRATION of the plant create a hazard? Plant becomes unstable Causes physical problems for the operator whilst operating Vibration of equipment Operation could cause unacceptable vibration levels in nearby structures		N								



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		Haza	ard	Describe Hazard	Controls Currently In	Current	New or Additional	Final	New or Additional	Action Verified as
Potential Hazards	Υ	N	N/A		Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Complete: (Name and Date)
22. Can the plant emit toxic FUMES or VAPOURS? Exhaust fumes Chemicals Hazsub's/DGs	Y			Fumes emitted by machine leading to health concerns	Machine to be operated in well ventilated areas Air flow devices to be employed where needed Charge battery in well ventilated areas	Low 21				
23. Carry out the NOISE survey on page 9. Is the plant noisy? Emit >85 dBA at the operator communication Noise impacts on community during out-of-hours work (including reversing beepers)			N/A							



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Potential Hazards	Υ	N	N/A	Describe Hazard	Controls Currently In Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
24. Carry out the LIGHT survey on page 9. Is there poor visibility			N/A						(· · · · · · · · · · · · · · · · · · ·	
 At the controls At the task Darkens surrounding areas Light impacts on community or sensitive natural environment during out-of-hours work 										
25. Does the plant emit RADIATION? Eg X-rays EMR Laser		N								



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Potential Hazards	Υ	N	N/A	Describe Hazard	Controls Currently In Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
26. Can operation of the plant create DUST?			N/A						,	
 Explosive atmosphere Breathing hazard Reduced visibility Nuisance dust at nearby community 										



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		Haza	ard	Describe Hazard	Controls Currently In	Current	New or Additional	Final		Action Verified as
Potential Hazards	Υ	N	N/A	Describe Hazard	Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Complete: (Name and Date)
27. Can the plant become UNSTABLE during operation? Working on uneven / unstable ground Shifting load Lack of plant support Outriggers	Y			1. Shifting loads 2. Roll over	1. Check loads are securely stacked before lift 2. Check work area to ensure even surface present 3. Operate plant as per manual on inclines 4. Do not operate in excess mud or on slippery incline 5. Steer clear of open pits/ Trenches 6. Do not exceed SWL 7. Adhere to speed limits 8. Reduce speed when making turns	Medium 18	Daily inspection of work area Assess all tasks prior to commencing	Low 21	T&M operator	



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Potential Hazards	Υ	N	N/A	Describe Hazard	Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Complete: (Name and Date)
28. Could LOSS of LOAD occur? Failure of ropes/slings Overloading Entanglement in surrounding structures Maintenance requirements	Y			1 Crushing	Wrap loads before lift Ensure loads tied/ strapped before lift	Medium 18			(Name and Date)	



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Potential Hazards	Υ	N	N/A		Describe Hazard	Controls Currently In Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Verified as Complete: (Name and Date)
 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			1. 2 3	Plant Personnel Structure	1 Spotter2 Work system planning3 Exclusion zones4 Barricading	Medium 18				



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		Haza	ırd		Controls Currently In	Current Risk	New or Additional	Final	New or Additional	Action Verified as
Potential Hazards	Y	N	N/A	Describe Hazard	Place on Plant Level Controls Required Plant		Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Complete: (Name and Date)
30. Can CHEMICALS create a hazard? Leaking from plant Splashing Explosion PPE considerations Spill kit considerations	Y			Haz Sub. leaking into ecosystem Worker contact with Haz. Sub	1. Daily check for leaks 2 PVC gloves worn when re-fuelling 3 Access to spills kit 4 Fire extinguisher	Low 21				
31. Operator TRAINING / QUALIFICATIONS? Training requirements Qualification requirements Competency assessments Documentation Operators manual Equipment experience Product knowledge	Y			Hazardous operation of plant by unqualified operator	1. Current licence 2 VOC 3 Manual supplied	Low 21	Read and understand manufacturers instructions and safety rules, operators manual and machine decals	Low 23	All operators	



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		Hazard			Controls Currently In	Current	New or Additional	Final	New or Additional	Action Verified as	
Potential Hazards	Y	N	N/A	Describe Hazard	Place on Plant	Risk Level	Controls Required on Plant	Risk Level	Controls Action By: (Name and Date)	Complete: (Name and Date)	
32. Are there ANY OTHER potential hazards generated by or during the use of this item of plant and/or any attachments?			N/A								



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ALL OPERATORS OF THE PLANT OR EQUIPMENT MUST BE BRIEFED ON THE PLANT HAZARD ASSESSMENT (PHA) PRIOR TO FIRST TIME USE.
ANY RELEVANT CONDITIONS WHICH MAY IMPACT ON THE OPERATION OF THIS ITEM OF PLANT OR EQUIPMENT MUST BE TRANSFERRED TO THE AMS/TRA.

Strike out if not applicable

NOISE REPORT	
quipment Type: Serial/Asset No.	
Make: Model:	
Test by (print): Date:	
ignature:	
Sound Level Meter Unit Used:	
Manufactures specified noise level: dBA	
ackground level: dBA	
Results – Operator's Station	
dBA High Idle dBA Low Idle	
(Equipment Operating)	
comments: A Comments:	
Results – Bystander Position:	
Front dBA	
Rear dBA	
Left dBA	
Right dBA	
At 7 metres from side of equipment – Equipment Operating (High Idle)	
Comments:	

Strike out if not applicable

LIGHTING RE	PORT		
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: NA			
Results – Surroundings:			
Clearly seen by others?	□ Yes	□ No	
Decrease lighting in walkways?	□ Yes	□ No	
Decrease lighting to other workstations?	□ Yes	□ No	
Comments:			



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COMMENTS:	



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