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Description of Plant: Drive Unit - Petrol	<u>.o.</u>			Mode	Model No: DP4 / DP6	
Assessed By: Evan Miller		Company : Flextool (Aust) Pty Ltd	Ĭđ.	Date:	Date: <u>18/12/96</u> lss	lssue: B
Hazard Description	Hazard Y/N	Plant & / or Situation	_	Soverity	Disk Control	
A - ENTANGLEMENT 1 Can anyone's hair, clothing, gloves necktie, jewellery, cleaning brushes, rags, or other materials become entangled with moving parts of the plant, or materials in motion?	~	ut shaft, drive dog while	5	C	* Do not operate the machine unless all protective guards are in place. * Keep hands and feet clear of rotating and moving parts as they will cause injury if contacted. * Ensure that the motor operation switch is in the off position and the spark plug ignition lead is disconnected before removing guards or making adjustments.	Il protective and moving parts h is in the off d is disconnected streents.
B - CRUSHING 1. Can anyone be crushed due to:-						
a. Material falling off the plant?	z					
 b. Uncontrolled or unexpected movement of the plant or its load? 	z					
c. Lack of capacity for the plant to be slowed, stopped or immobilised?	z					
d. The plant tipping or rolling over?	~	In use on an incline	ΟΊ	т	* Ensure both the machine and the operator are sta- ble by setting up on level terrain and the machine will not move or fall while in operation or unattended.	perator are sta- the machine will unattended.
e. Parts of the plant collapsing?	z					
f. Coming in contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair?	z			e l		
g. Being thrown off or under the plant?	z					
h. Being trapped between the plant and material or fixed structures?	z					
* Refer to Flextool operating instructions.		Likelihood of Occurrence	Occurrence		Severity of Result	

Likelihood of Occurrence
1. Expected to Happen
2. Common
3. Sometimes
4. Rarely
5. Highly Unlikely

Severity of Result
A. Fatality
B. Permanent Disability
C. Lost Time Injury
D. Medical Treatment
E. First Aid Injury

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					* Refer to Flextool operating instructions
				z	E. FRICTION 1. Can anyone be burnt due to contact with moving parts or surfaces of the plant, or between a part of the plant and a work piece or structure?
* Keep hands and feet clear of rotating and moving parts as they will cause injury if contacted. * Ensure that the motor operation switch is in the off position and the spark plug ignition lead is disconnected before removing guards or making adjustments.	C	Съ	Rotating output shaft, drive dog against stationary guard	~	D. SHEARING1. Can anyone's body parts be sheared between two parts of the plant, or material handled by the plant?
				z	g. Other factors not mentioned?
				z	f. Uncontrolled or unexpected movement of the plant?
				z	e. The mobility of the plant?
				z	d. Work pieces being ejected?
				z	c. The plant, parts of the plant or work pieces disintegrating?
* Do not operate the machine unless all protective guards are in place. * Keep hands and feet clear of rotating and moving parts as they will cause injury if contacted. * Ensure that the motor operation switch is in the off position and the spark plug ignition lead is disconnected before removing guards or making adjustments.	m	۲٦	Output shaft, drive dog contact while rotating	~	b. Coming in contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair of the plant?
				z	a. Coming in contact with sharp or flying objects?
					C. CUTTING, STABBING & PUNCTURING? Can anyone be cut, stabbed or punctured due to:
THIS COUNTY					i. Other factors not mentioned?
	Severity	Likelihood	Plant & / or Situation	Hazard Y/N	Hazard Description
					The second secon

Refer to Flextool operating instructions.

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* Refer to Flextool operating instructions.	f. Water near electrical equipment?	e. Damaged electrical switches?	d. Damaged or poorly maintained electrical leads and cables?	c. Overload of electrical circuits?	b. The plant working in close proximity to electrical conductors?	The plant contacting live electrical conductors?	ELECTRICAL Can anyone be injured by electrical shock or burnt due to:	G. HIGH PRESSURE SUBSTANCES 1. Can anyone come into contact with substances under high pressure, due to plant failure or misuse of the plant?	e. Other factors not mentioned?	d. Mobility of the plant?	c. Work pieces being ejected?	 b. The plant, parts of the plant or work pieces disintegrating? 	Uncontrolled or unexpected movement of the plant?	Can anyone be struck by moving objects due to :	azard Description
	z	z	z	z	z	z		z	z	z	z	z	~		Hazard Y/N
Likelihood of Occ 1. Expected to Ha 2. Common 3. Sometimes 4. Rarely 5. Highly Unlikely													Plant moving while unattended		Plant & / or Situation
Likelihood of Occurrence 1. Expected to Happen 2. Common 3. Sometimes 4. Rarely 5. Highly Unlikely													4		Likelihood
im D O m ≻ &													п		Severity
Severity of Result A. Fatality B. Permanent Disability C. Lost Time Injury D. Medical Treatment E. First Aid Injury													*Do not leave the machine in operation while it is unattended		Risk Control

Hazard Description	Hazard Y/N	Plant & / or Situation	1 :1:	5	
g. Lack of isolation procedures?	z		Livelliood	Shiranac	NISK CONTO
h. Other factors not mentioned?	z				
EXPLOSION Can anyone be injured by explosion of gases, vapours, liquids, dusts or	Υ	Petrol vapour	5	В	* Petrol is extremely flammable and explosive under certain conditions. * Ensure that petrol is only stored in an approved stor-
other substances, triggered by the operation of the plant or by material handled by the plant?	ā				age container. * Do not refuel the motor while it is in operation or hot. * Do not refuel the motor in the vicinity of sparks, a naked flame or a person smoking. * Do not overfill the fuel tank and avoid spilling petrol when refuelling. Spilled petrol or petrol vapour may ignite. If spillage occurs, ensure that the area is dry before starting the motor. * Ensure that the fuel tank cap is securely fitted after refuelling.
J. SLIPPING, TRIPPING & FALLING 1. Can anyone using the plant, or in the vicinity of the plant, slip, trip or fall due to:			Ī		ğ
a. Uneven or slippery work surfaces?	~	Slip, trip, fall	ω	ш	* Slip/Trip/Fall is a major cause of serious injury or death. Beware of excess hose, the flexible shaft and water left on the walking or work surface. * Do not allow waste water to accumulate under foot.
b. Poor housekeeping, eg, swarf in the vicinity of the plant, spillage not Cleaned up?	Υ '	Slip, trip, fall	ω	ш	* Slip/Trip/Fall is a major cause of serious injury or death. Beware of excess hose, the flexible shaft and water left on the walking or work surface. * Do not allow waste water to accumulate under foot.
 c. Obstacles being placed in the vicinity of the plant, other factors not mentioned? 	z				
2. Can anyone fall from a height due to:					
a. Lack of proper work platform?	z				

^{*} Refer to Flextool operating instructions.

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Hazard Description	Hazard Y/N	Plant & / or Situation			
stairs or ladders?	z	- In the second	Likelillood	зеченцу	KISK CONTROL
c. Lack of guardrails or other suitable edge protection?	~	Slip, trip, fall	4	ဂ	* Exercise caution and ensure that the perimeter of elevated formwork or platforms is protected. * Slip/Trip/Fall is a major cause of serious injury or death. Beware of excess hose, the flexible shaft and water left on the walking or work surface.
d. Unprotected holes, penetrations or gaps?	~	Slip, trip, fall	ω	O	*Exercise caution and ensure that the perimeter of elevated formwork or platforms is protected. *Exercise care when working in the vicinity of unprotected holes or excavations. *Slip/Trip/Fall is a major cause of serious injury or death. Beware of excess hose, the flexible shaft and water left on the walking or work surface.
Poor floor or walking surfaces, such as the lack of a slip-resistant surface?	z				
f. Steep walking surfaces?	z				
g. Collapse of the supporting structure?	z				
h. Other factors not mentioned?	z				
K. ERGONOMIC1. Can anyone be injured due to:					
a. Poorly designated seating?	z				
b. Repetitive body movement?	z				
c. Constrained body posture or the need for excessive effort?	z				
d. Inadequate or poorly placed lighting?	z				
e. Lack of consideration given to human error or human behaviour?	z				
* Refer to Flextool operating instructions.					

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					* Refer to Electrol operating instructions
Warning label on motor * Do not operate or refuel a petrol motor in a confined area without adequate ventilation. * Carbon monoxide exhaust gases from internal combustion motor driven units can cause death in confined spaces.	Þ	4	Motor exhaust furnes	~	c. Fumes?
Warning label on motor * Do not operate or refuel a petrol motor in a confined area without adequate ventilation. * Carbon monoxide exhaust gases from internal combustion motor driven units can cause death in confined spaces.	۶	4	Motor exhaust fumes	~	b. Toxic gases or vapours?
				z	a. Chemicals?
					O. OTHER HAZARDS 1. Can anyone be injured or suffer ill health from exposure to:
				z	N. TEMPERATURE (THERMAL COMFORT) 1. Can anyone suffer ill health due to exposure to high or low temperatures?
Muffler guard marked "Hot" - Honda motor * Be careful to avoid contact with the muffler when engine is hot as it may cause severe burns.	т	ယ	Motor muffler	~	M. HIGH TEMPERATURE OR FIRE1. Can anyone come into contact with objects at high temperature?
Warning label on motor * Do not operate or refuel a petrol motor in a confined area without adequate ventilation. * Carbon monoxide exhaust gases from internal combustion motor driven units can cause death in confined spaces.	Þ	4	Motor exhaust fumes	~	SUFFOCATION Can anyone be suffocated due to lack of oxygen, or atmospheric contamination?
				z	g. Other factors not mentioned?
				z	f. Mismatch of the plant with human traits and natural limitations?
Risk Control	Severity	Likelihood	Plant & / or Situation	Hazard Y/N	Hazard Description

^{*} Refer to Flextool operating instructions.

Likelihood of Occurrence 1. Expected to Happen 2. Common 3. Sometimes 4. Rarely 5. Highly Unlikely

- Severity of Result
 A. Fatality
 B. Permanent Disability
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* Refer to Flextool operating instructions.	h. Other factors not mentioned?	g. Radiation	f. Vibration?	e. Noise?	d. Dust?	Hazard Description
	≺	z	z	Y	z	Hazard Y/N
Likelihood of Occurrence 1. Expected to Happen 2. Common 3. Sometimes 4. Rarely 5. Highly Unlikely	Fire - Petrol vapour			Motor operation		Plant & / or Situation
of Occurrence to Happen es	4			ω		Likelihood
шБОछ≯ %	C			В		Severity
Severity of Result A. Fatality B. Permanent Disability C. Lost Time Injury D. Medical Treatment E. First Aid Injury	* Petrol is extremely flammable and explosive under certain conditions. * Ensure that petrol is only stored in an approved storage container. * Do not refuel the motor while it is in operation or hot. * Do not refuel the motor in the vicinity of sparks, a naked flame or a person smoking. * Do not overfill the fuel tank and avoid spilling petrol when refuelling. Spilled petrol or petrol vapour may ignite. If spillage occurs, ensure that the area is dry before starting the motor. * Ensure that the fuel tank cap is securely fitted after refuelling.			*Excessive noise can lead to temporary or permanent loss of hearing.		Risk Control