



GLOBAL

Training & Assessing Pty Ltd ABN: 42 815 975 562

Static, Hazard & Risk Assessment of Mobile Plant

Company Name: **X POWER**

Make & Model: **HINO 300 TIPPER**

Plant ID No.:

Serial No.:

V.I.N.: JHHACS3G10K007332

Location of Assessment: Fitzroy North

Assessed by: (Joe) Giuseppe Cutrulla



Rego. No: **1XW-6KR**

Date of Issue: 21-07-2023

Hours:

Km's: 709

Assessment Label Attached: **YES**

Assessor No.: GTA 028

- This document has been developed as a guide to identify hazards on plant only.
- Workplace hazards have not been identified.
- Job safety analysis (J.S.A) - Safe Work Method Statement (S.W.M.S.) is required to identify workplace hazards.
- Operators must take into account Job Safety Analysis when operating mobile plant.
- This assessment is conducted under a static condition as per National WHS Regulations & the Occupational Health & Safety Regulations Victoria 2017-Division 5.
- National Standards (Safe Work Australia)
- National Standards for Plant (N.O.H.S.C.).
- All issued identified in this report relating to maintenance and repairs **MUST BE RECTIFIED WITHIN 14 DAYS** of the date shown on this assessment

REPORT ACCEPTANCE:

This Risk Assessment has been conducted to the guidelines as detailed in the Work Safe booklet 'Plant Hazard Checklist'
Machine type: **HINO 300 TIPPER.**

GENERAL NOTES:

The Owner - Operator of the above Plant - Equipment should conduct an inspection at least once a year. All procedures and control method are maintained to the requirements of the Occupational Health & Safety Regulations Victoria 2017. National Standards for Plant (N.O.H.S.C.). In particular when any alteration or change is made to the Plant a review of both Control Methods and Documentation should be made.
A Plant Risk Hazard Assessment should be conducted at change of location. Refer to Plant Regulations.

CONFIDENTIALITY:

This Mobile Plant Hazard & Risk Assessment Report (referred to as 'Assessment') has been produced by Global Training & Assessing Pty. Ltd. contains information that is privileged and confidential for the use only by: **X POWER.**
Whilst every effort has been made by Global Training & Assessing Pty. Ltd. to ensure the accuracy of this report, Global Training & Assessing Pty. Ltd. will not be held responsible and extends no warranties as to the suitability of such information or for the consequences of its use.

DISCLAIMER:

This Mobile Plant Hazard & Risk Assessment does not eliminate the Owner - Operator responsibility to maintain the Mobile Plant as per Occupational Health & Safety Regulations Victoria 2017. National Standards for Plant (N.O.H.S.C.). Copying or distributing of this Assessment by any means to a third party is expressly prohibited unless consent has been authorised by Global Training & Assessing Pty. Ltd.
This Assessment provides information that is based on an inspection that was made on the date noted on the Assessment cover sheet. If any addition alteration or modification has been made to this Mobile Item Plant subsequent to that date it may not conform to a satisfactory level of acceptance, Therefore the Mobile Plant Hazard & Risk Assessment is null and void.

IF FAULTS NOT RECTIFIED IN 14 DAYS THIS DOCUMENT BECOMES NULL AND VOID.
A PLANT RISK ASSESSEMNT SHOULD BE PERFORMED AT REGULAR INTERVALS WITH A MINIMUM OF ONCE PER YEAR.

I acknowledge receipt of the complete Assessment for the Mobile Plant item detailed above:

Supervisor - Operator Please (PRINT) Bayley McKenzie

Signature: Bayley

Name of Assessor (Joe) Giuseppe Cutrulla No.: GTA 028

Signature: Joe



Date: 21-07-2023

**Risk Matrix
Consequences & Likelihood**

LIKELIHOOD	CONSEQUENCE				
	1- Insignificant	2- Minor First Aid Required	3- Moderate Medical Attention & Time off work	4- Severe Long term illness or serious injury	5- Catastrophic Death or cause permanent disability or illness
A - Almost Certain	1A - Med	2A - High	3A - High	4A - Very High	5A - Very High
B - Likely	1B - Med	2B - Med	3B - High	4B - High	5B - Very High
C - Possible	1C - Low	2C - Med	3C - High	4C - High	5C - Very High
D - Unlikely	1D - Low	2D - Low	3D - Med	4D - Med	5D - High
E - Rare	1E - Low	2E - Low	3E - Med	4E - Med	5E - Med

VERY HIGH: Act Immediately	HIGH: Act today	MEDIUM: Act this week	LOW: Act this month
The proposed task or process activity must not proceed. Steps must be taken to lower the risk level to as low as reasonably practicable using the hierarchy of risk controls.	The proposed activity can only proceed, provided that: 1. The risk level has been reduced to as low as reasonably practicable using the hierarchy of risk controls. 2. The risk controls must include those identified in legislation, Australian Standards, Code of Practice etc. 3. The risk assessment has been reviewed and approved by the supervisor. 4. A Safe Working Procedure or Safe Work Method has been prepared. 5. The supervisor must review and document the effectiveness of the implemented risk controls.	The proposed task or process can proceed, provided that: 1. The risk level has been reduced to as low as reasonably practicable using the hierarchy of risk controls. 2. The risk assessment has been reviewed and approved by the supervisor. 3. A Safe Working Procedure or Safe Work Method has been prepared.	Managed by local documented routine procedures, which must include application of the hierarchy of controls.

Risk Rating:

<ol style="list-style-type: none"> Eliminate the hazard altogether, e.g., get rid of the dangerous equipment. Substitute the hazard with safer Isolate the alternative, e.g., replace the equipment with a safer version. Isolate the hazard from anyone who could be harmed, e.g., keep the equipment in a closed room and operate it remotely. Use engineering controls to reduce the risk, e.g., attach guards to the equipment to protect users. Use administrative controls to reduce the risk, e.g., train workers how to use the equipment safely. Use P.P.E. e.g., wear gloves, goggles etc. when using the equipment. 	More Effective   Less Effective
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Potential Hazard	Risk Rating without Controls	Identified		Control Method in place	YES NO N-A	Comments - Recommended Improvements	Risk Rating with Controls	Action Completed
		YES	NO					
1. ENTAGLEMENT: Can anybody's hair, clothing, gloves, necktie, jewellery, cleaning brushes, rags and other materials become entangled with moving parts of plant, materials in motion:								
a) Can anybody become entangled with moving parts or materials in motion?	4 B High	Y		Has the operator been inducted Manufacturers warning decal fitted Engine covers Guarding installed	Y	Addressed by company induction, Company to implement All decals in operator's cab Fitted Fitted	2 C Medium	
		N		Rotating parts warning decals	NO			
2. CRUSHING: Can anyone be crushed due to:								
a) Uncontrolled or unexpected movement of the plant or its load?	5 B Very High	Y		Neutral start switch Reversing - Motion travel alarm Amber flashing beacon Reverse lights - camera Brake lights Rear view mirror Controls have appropriate knobs Pedals non - slip surface	Y	Fitted Fitted and MUST be working at all times Fitted Fitted Fitted Fitted Fitted	2 C Medium	
		N		Emergency Stop Crush Zone warning decal Vehicle may suddenly reverse warning decal	NO			
b) Material falling off the plant?	4 B High	Y		Attachment (e.g., air operated tail gate, ramps etc.)	Y	Tipper body,	2 B Medium	
		N		Quick Hitch	N-A			
c) Lack of capacity for plant to be slowed, stopped or immobilised?		Y		Hydrostatic drive forward - reverse levers	Y	Fitted, Operator to keep personnel clear of operating radius of machine		
		Y		Service brake operational Parking brake operational	Y			
		N		Drain air tanks daily decal	N-A			
d) Parts of plant collapsing?				Safety bar - props - pins Do not stand under raised attachment decal Use safety bar when working under raised attachment decal		Fitted, SWMS, use safety bar, chocks or blocks Fitted Fitted		
e) Coming into contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair?	5 A Very High	Y		Equipment to be maintained to safe standard by company	Y	Maintenance carried out in line with manufacturer's recommendations. Use Do Not Start tag, Battery must be isolated during maintenance, Company to implement	2 B Medium	
				Seat belt Wear seat belt decal		Fitted, Operator must always wear seat belt, Company to implement Fitted		
f) Being thrown off or under the plant?		N		No passenger decal	N-A			
g) Being trapped between the plant and fixed structures during maintenance?		Y		Training, signs, decals, barricades	Y	SWMS, Company to implement		

Potential Hazard	Risk Rating without Controls	Identified		Control Methods in place	YES NO N-A	Comments - Recommended Improvements	Risk Rating with Controls	Action Completed
		YES	NO					
h) The plant tipping or rolling over?	5 A Very High	Y		Manufacture design cab	Y	A.D.R. Approved Cab	2 C Medium	
				Operator cabin fully enclosed				
				Door fitted				
				Glass - safe operation conditions				
		N		R.O.P.S. approved structure	N-A			
	R.O.P.S. decal							
	F.O.P.S.-T.O.P.S.-O.P.G. approved structure							
			Operator cabin enclosed with seat belt and R.O.P.S.					
i) Other factors not mentioned		N			N-A			
3. CUTTING: Can anyone be stabbed, cut or punctured due to:								
a) Coming into contact with sharp or flying objects?	5 A Very High	Y		Guarding, warning signs, hard hat, safety boots, P.P.E.	Y	SWMS, Company to implement	2 C Medium	
b) The plant, parts of the plant or work pieces disintegrating?				No visible signs of sharp objects, edges				
c) The mobility and or uncontrolled, unexpected movement of the plant?		N		Danger may suddenly reverse without warning decal fitted	NO			
4. SHEARING: Can anyone's body be sheared between a part of the plant and a work structure:								
a) Body parts being sheared between plant and or structures?	5 A Very High	N		Do not start decal	NO	To be used when service and or maintenance of the machine, Company to implement	2 C Medium	
		Y		Attached safety bar before entering decal	Y			
5. HIGH TEMPERATURE: Can anyone come into contact with objects at high temperatures or friction or injured by fire:								
a) Coming into contact with hot parts?	4 B High	Y		Low mounted exhaust	Y	Fitted	2 C Medium	
		N		Exhaust guarding	NO			
				Hot surface decal				
		Y		Fire extinguisher supplied	Y			
6. STRICKING: Can anyone be struck by moving objects due to:								
a) Uncontrolled or unexpected movement of the plant or material handle by the plant?	5 A Very High	Y		Forward - Reverse control	Y	Fitted, Operator to keep personnel clear of operating radius of machine	2 B Medium	
				Foot brake operational	Y			
				Park brake operational				
				Manually operated tail gate				
				Safety bar fitted to hoist - body				
				Safety bar use for un laden body only decal				
b) Working pieces being ejected?	5 A Very High	N		Machine guarding			Fitted	Operator to keep personnel clear of operating radius of machine
				Keep clear warning decal	NO			
		N		Quick Hitch self-latching device	N-A			
			Safe operation of quick hitch is operator's responsibility					
c) The plant, parts of the plant or work pieces disintegrating?	5 B Very High	Y		Machine guarding	Y	Fitted	2 C Medium	
		N		Keep clear of tipping area decal fitted	NO			
		Y		Prestart inspection	Y			

Potential Hazard	Risk Rating without Controls	Identified		Control Method in place	YES NO N-A	Comments - Recommended Improvements	Risk Rating with Controls	Action Completed	
		YES	NO						
d) Mobility of the plant?	5 A Very High	Y		Head, taillights Indicator, hazard lights Brake lights Work lights fitted front - rear Warning horn Reverse - Motion alarm warning Reverse Lights - Camera Amber flashing beacon Instructions decal in English All labels readable Control functions identified	Y	Fitted Fitted Fitted Fitted Fitted Fitted and MUST be always working Fitted Fitted	2 E Low		
7. HIGH PRESSURE FLUID: Can anyone come into contact with fluids under high pressure:									
a) Leaking hydraulic hoses?	4 B High	N		Non return valves fitted (craning - lifting valves)	NO	Hoses and pipes have been checked Warning decals fitted Hydraulic oil decal fitted	2 C Medium		
		Y		All pipes clamped High pressure fluid No visible sign of excessive lubricant leakage	Y				
8. ELECTICAL: Can anyone be Injured by electrical shock or burnt due to:									
a) The plant contacting live conductors?	5 A Very High	Y		Has a J.S.A. - S.W.M.S. been conducted Certificate for No Go Zone Look up and Live decal in operator's sight Electrical wire warning decal Underground services - Dial Before You Dig	Y	Only qualified and trained and competent people must complete Task, and J.S.A. - S.W.M.S. must be completed, Company to implement Company to implement	2 B Medium		
		N			NO				
b) Lack of isolation procedure?	5 C Very High	N		Isolation switch on battery	NO				Battery must be isolated during maintenance
c) Damaged or poorly maintained electrical leads and cables?		Y		Battery cover	Y				Fitted
d) Damaged Switches?		N		Battery decal	NO				
		Y		No visible sign of damage	Y				
9. FALLING - SLIPPING: Can anyone using the plant or in the vicinity of the plant, slip, trip or fall from a height greater than 2 meters:									
a) Poor floor or walking surface?	5 B Very High	Y		Nonslip surface - Nonslip tape Steps - footings in place	Y	Applied to walking surface Fitted	2 C Medium		
b) Lack of proper stairs - steps?									
c) Lack of guardrail - handrail - grabs?		N		Guardrails - handrails - grabs in place use 3 points of contact when climbing warning decal	NO	To be addressed by handrails, guardrails, or J.S.A - S.W.M.S., Company to implement			
d) Lack of proper work platform?		N		Guardrails - harness - platform - ladder	N-A	SWMS must be conducted to address the falling issue.			
e) Can someone fall over 2 m.?		N		Prevention of falls - hand rails	N-A	SWMS must be conducted to address the falling issue. Rails should be fitted for heights over 2m.			
f) Poor housekeeping?		Y		Operator's cabin clear of debris, tools, chains, grease gun etc No visible signs of lubricant leakage during prestart checks	Y	Company to implement			

Potential Hazard	Risk Rating without Controls	Identified		Control Methods in place	YES NO N-A	Comments - Recommended Improvements	Risk Rating with Controls	Action Completed
		YES	NO					
10. ERGONOMIC: Can anyone be injured due to:								
a) Poor seating?	4 C High	Y	Seat adjustment controls operating	Y			2 B Medium	
			Seat in usable condition					
b) Constrained body effort?	Operator control levers & pedals in operator's reach							
11. SUFFOCATION: Can anyone suffocate due to lack of oxygen or atmospheric contamination:								
	5 C Very High	Y	Ventilation	Y	Carry water and wear correct P.P.E., Company to implement Fitted		2 B Medium	
			Heat Stress					
			Air Conditioning					
12. OTHER HAZARDS: Can anyone be injured or suffer ill-health from exposure to chemical, toxic gases or vapours, fumes, dust noise, vibration, radiation, other factors not mentioned:								
a) Hazardous substances, noise, dangerous goods, plants, manual handling, trenching, prevention of falls?	5 B Very High	Y	Addressed by compliance codes and training	Y	Company to implement			
			Within or above 85 dB limit					
b) Noise		N	Hearing protection supplied	NO	J.S.A., S.W.M.S. to be in place if over 85 Db, Company to implement	2 C Medium		
			Hearing protection decal					
c) Fumes?		Y	Engine fumes not excessive at high idle	Y	Company to implement			
			Door window seals serviceable					
	Operator issued with P.P.E.							
d) Other items	N	Load capacity chart fitted	N-A			2 C Medium		
		S.W.L. - W.L.L. marked on boom						
		Approved lifting point						

Potential Hazard	Risk Rating without Controls	Identified		Control Methods in place	YES NO N-A	Comments - Recommended Improvements	Risk Rating with Controls	Action Completed	
		YES	NO						
13. OPERATION: Have the following areas been addressed									
a) Does the operator hold certificate safety, qualification card to operate this item of plant?	5 C Very High	Holds Relevant Qualifications			If operator is not on site, to be addressed by the company				
		Y	Certificate No:		Y	Company to implement		2 B Medium	
			Type of Plant:						
Date of Issue:	Exp. Date:								
14. DOCUMENTATION: Can documentation be provided for: If not on site, to be addressed by the company									
a) Daily inspection fault report book?	5 C Very High	Y	Plant daily inspection book - sheets		Y	Company to implement		1 E Low	
b) Service and maintenance records			Date of last entry						
			Records held by company and available on request						
			In Operator's Station - Office						
c) Operation manual issued?			Operator manual in English and in readable condition						
	Attachment instructions available								

The items addressed from the Work Safe Plant Hazard Checklist and the Attached 'Static Hazard & Risk Assessment of Mobile Plant' as follows:

1. ENTANGLEMENT
2. CRUSHING
3. CUTTING
4. SHEARING
5. HIGH TEMPERATURE
6. STRIKING
7. HIGH PRESSURE FLUID
8. ELECTRICAL
9. FALLING - SLIPPING
10. ERGONOMICS
11. SUFFOCATION
12. OTHER HAZARDS
13. OPERATOR
14. DOCUMENTATION

This 'Static Hazard & Risk Assessment of Mobile Plant' addresses all the requirements of:

- National Standards for Plant (N.O.H.S.C.)
- National WHS Regulations
- Moving Plant Code of Practice
- National Standards (Safe Work Australia)
- Victorian Occupational Health & Safety Act 2004
- Occupational Health & Safety Regulations 2017
- The Worksafe booklet "Understanding the Plant Safety Package"
- The Worksafe Plant Hazard Checklist

The Hierarchy of Hazard Control which addresses:

1. Elimination. This is a permanent solution and should be attempted in the first place.
2. Substitution. This includes plant, which present a lower level of risk.
3. Isolation. Separate the person from the plant, e.g., operate in an enclosed area.
4. Engineering. Involves changing the structure. e.g., guarding.
5. Administrative. Provide a system that reduces the possibility of a person being exposed to the hazard.
6. Personal Protective Equipment. Is generally used as a short-term control measure.

All the above items have been addressed in the 'Static Hazard & Risk Assessment of Mobile Plant' and have been controlled by the following:

THE HIERARCHY OF HAZARD CONTROL

Elimination. This is a permanent solution and should be attempted in the first place.
Not required for this item of plant.

Substitution. This includes plant, which present a lower level of risk.
Not required for this item of plant.

Isolation. Separate the person from the Plant, e. g. operating in an enclosed area.
Not required for this item of plant.

Engineering. Involves changing the structure, e, g. guarding.
Not required for this item of plant.

Administrative. Provide a system that reduces the possibility of a person being exposed to the hazard.
Addressed by placing safety decals in areas of low risk on this item of plant.

Personal protective equipment. Is generally used as a short-term control measure.
Other than general P.P.E. that is required by all worksites no special P.P.E. is required for the operator of this item of plant.

OTHER CONTROLS

Areas of low risk, decals have been placed to warn operators and workers.

Areas of medium risk, comments have been made and are to be addressed by the owner.

Areas of high risk, the machine will be tagged, "do not use", keys removed and reported to owner.