

Plant Risk Assessment

Assessed By:	Tony Willacy	Date:	18/5/2017	Owner:	Cameron Outdoors
Manufactured By:	Hino	Year of Mfg:	06/2016	Sub-contractor:	Yes o No o
Plant description:	Tipper	VIN No:	JHDGH8JJMXXX10101	Hire Machine :	Yes o No o
Serial No:	4859593	Supplier:		Machine Hours:	
Model No:	3 seats	Location:		Registration No:	VIC 1HU 2HK

Likelihood* of Injury or harm to health	Consequences of injuries or harm to health			
	Insignificant (eg no first aid required)	Moderate (eg first aid or medical treatment)	Major (eg extensive or permanent injuries)	Catastrophic (eg fatality or many people injured)
Very likely	High	Extreme	Extreme	Extreme
Likely	Moderate	High	Extreme	Extreme
Moderate	Low	High	Extreme	Extreme
Unlikely	Low	Moderate	High	Extreme
Highly unlikely	Low	Moderate	High	High

*Guide to Likelihood	
Very likely	Expected to occur
Likely	Will probably occur
Moderate	Will occur at some time
Unlikely	Could occur at some time
Highly unlikely	May occur in exceptional circumstances

Guide to actions	
Catastrophic	Stop the work until risk is reduced
Major	Reduce risk greatly
Moderate	Reduce risk as a priority
Insignificant	Reduce risk when/if convenient

UNIT DETAILS

Make: Hino
Model: Tipper

Serial #: 4859593
Type: 3 Seats



Hazard Identification	Risk Assessment	Risk Ranking	Risk Control	Action	Completion Date:
1. Entanglement Can anyone's hair, clothing gloves, necktie, jewellery, rags and other materials become entangled with moving parts of plant, or materials in motion? YES ☒ NO ☐	- Truck is Shaft Drive - Tipper activated	L	- Shaft does not turn when truck is stationary - Exclusion zone and spotter as per policy and procedures	Operator / Spotter	
2. Crushing Can anyone be crushed due to falling, Uncontrolled or unexpected movement of plant or its load, lack of capacity to slow stop or immobilise the plant tipping or rolling over, parts of plant collapsing, Contact with moving parts during testing, inspection, maintenance cleaning or repair, thrown off under or trapped between plant and materials or fixed structures? YES ☒ NO ☐	Cavity between cab and tipper body when activated	L	- Tipper operator to be made aware of risk and ensure exclusion zone is enforced - Spotter to be utilised as per policy and procedures - Camera used at rear of truck for operator to view behind tipper	Operator / Spotter	
3. Cutting, Stabbing and Puncturing Can anyone be cut, slabbed or punctured by coming in contact with moving plant or parts, sharp or flying objects, work pieces ejected, work pieces disintegrated or other factors not mentioned? YES ☐ NO ☒					



This report has been prepared by Benchmark Worksafety Pty Ltd

Assessed by: Tony Willacy

Date: 18th May 2017

Page 2 of 9

UNIT DETAILS

Make: Hino
Model: Tipper

Serial #: 4859593
Type: 3 Seats



Hazard Identification	Risk Assessment	Risk Ranking	Risk Control	Action	Completion Date:
4. Shearing Can anyone's body parts be cut off between two parts of the plant, or between a part of the plant and a work piece or structure? YES ☒ NO ☐	Tailgate Closure		- Camera at rear of truck to monitor surrounds - Exclusion zone around truck as per policies and procedures - Auto tailgate closure - Operator to ensure tailgate is secured before moving	Operator / Spotter	
5. Electrical Can anyone be injured by electrical shock or burnt due to damaged or poorly maintained leads or switches, water near electrical equipment, working near or contact with live electrical conductors, lack of isolation procedures or the factors not mentioned? For example, are any switches broken? Is there a red emergency stop? Can each machine be locked off for repairs? YES ☒ NO ☐	Operating tipper around overhead powerlines		- Operator to ensure there is safe clearance between workers, the tipper and the overhead lines - Conduct tipper operation task well clear of any power lines. - Know the recommended clearance distances before commencing work - Check the clearance height of loads and avoid travelling near low-lying powerlines - Operators to know appropriate emergency procedures and ensure they have the contact details for emergency services and the local power company keyed into their phones for quick access	Operator / Spotter Review topic for toolbox meetings Policies and procedures	



This report has been prepared by Benchmark Worksafety Pty Ltd

Assessed by: Tony Willacy

Date: 18th May 2017

Page 3 of 9

UNIT DETAILS

Make: Hino
Model: Tipper

Serial #: 4859593
Type: 3 Seats



Hazard Identification	Risk Assessment	Risk Ranking	Risk Control	Action	Completion Date:
6. Explosion Can an explosion of gas vapours liquids, dusts or other substances triggered by plant operation injure anyone? YES ☒ NO ☐	- Diesel in plant fuel tank - Refueling	L	- SDS in cabin for operator review - PPE such as gloves	Operator Policies and Procedures	
7. Friction Can anyone be burnt due to contact with moving parts or surfaces of the plant, or material handled by the plant? YES ☐ NO ☒					
8. Striking Can anyone be struck by moving objects due to plant or work pieces being ejected or disintegrated, mobility, and uncontrolled or unexpected movement of the plant or other factors? YES ☒ NO ☐	Load contents falling from truck	L	- Mechanical tarping system installed to ensure load is contained. No need to climb onto tipper as winding is undertaken at ground level - Spotter to supervise	Operator / Spotter Tool Box meetings	
9. Slipping, Tripping and Failing Can anyone using the plant or in the vicinity of the plant, slip, trip or fall due to the working environment or other factors?, poor housekeeping, dust on the floor around machines, slippery or uneven work surfaces or lack of guardrails. YES ☒ NO ☐	Loads will be uneven and contained to the back of the tipper		- Camera allows operator to scan tipping area - Spotter will ensure the area is not accessed - Exclusion zone of six meters around truck when operated - Spotter to ensure that load material is not stuck on tray to prevent weight shift	Operator / Spotter Policies and procedures	



This report has been prepared by Benchmark Worksafety Pty Ltd

Assessed by: Tony Willacy

Date: 18th May 2017

Page 4 of 9

UNIT DETAILS

Make: Hino
Model: Tipper

Serial #: 4859593
Type: 3 Seats



Hazard Identification	Risk Assessment	Risk Ranking	Risk Control	Action by:	Completion Date:
10. Suffocation Can anyone be suffocated due to lack of oxygen, or atmospheric contamination? YES ☐ NO ☒					
11. High Temperature or Fire Can anyone come into contact with objects at high temperature or injured by fire? YES ☒ NO ☐	Hot exhaust		Exhaust is guarded and fitted under the truck body		
12. Temperature (Thermal Comfort) Can anyone suffer ill health due to exposure to high or low temperatures? YES ☐ NO ☒					
13. Ergonomic Can anyone be injured due to seating design, repetitive body movement or posture, excessive effort, poor workplace or plant design causing mental or physical stress, lack of consideration for human behaviour, poor lighting or other factors not mentioned? YES ☒ NO ☐	Posture on long journeys		- Air suspended seats with lumbar support - Regular breaks when driving long distance (every 2 hours)	Operator	
14. High Pressure Fluid Can anyone come into contact with fluids under high pressure, due to plant failure or misuse of the plant? YES ☒ NO ☐	Hydraulic hoses for tipper		Checked during prestart to determine condition	Operator	



This report has been prepared by Benchmark Worksafety Pty Ltd

Assessed by: Tony Willacy

Date: 18th May 2017

Page 5 of 9

UNIT DETAILS

Make: Hino
Model: Tipper

Serial #: 4859593
Type: 3 Seats



Hazard Identification	Risk Assessment	Risk Ranking	Risk Control	Action by:	Completion Date:
15.Falls from Heights Can anyone fall from a height due to: Lack of a proper work platform? Lack of proper stairs or ladders? Lack of guardrails or other suitable edge protection? Unprotected holes, penetrations or gaps? Poor floor or walking surfaces such as a lack a slip-resistant surface? Steep walking surfaces? Collapse of the supporting structure? Other factors not mentioned? YES ☒ NO ☐	Poor floor or walking surfaces such as a lack of slip resistant surfaces inside tipper body		- Company policy is no worker to access the tipper body. - Two steps on side of tipper designed to allow for observation of the load only. The stairs are constructed utilising serrated treads	Policies and procedures	
16.Plant Use & Suitability Are there any identified hazards relating to:					
1. The plant's suitability for its actual and intended tasks?	Current model truck and tipper is built to Australian standards		Yearly inspections by competent person	Policies and procedures	
2. The environmental conditions and terrain in which the plant may be used?	Uneven ground		Never tip load when truck is on a slope or uneven ground	Operator Policies and procedures	
3. Any foreseeable abnormal situations or fluctuations of operating condition?	Weather related conditions (Mud, Storms and Lightning)		Do not operate in adverse weather conditions	Operator Policies and procedures	



This report has been prepared by Benchmark Worksafety Pty Ltd

Assessed by: Tony Willacy

Date: 18th May 2017

Page 6 of 9

UNIT DETAILS

Make: Hino
Model: Tipper

Serial #: 4859593
Type: 3 Seats



Hazard Identification	Risk Assessment	Risk Ranking	Risk Control	Action by:	Completion Date:
4. The load capability of any plant required lifting and moving people, equipment and materials?	Overloading tipper design parameters		Ensure that GVM16500 load capacity is adhered to and only three passengers are carried	Policies and procedures	
5. The suitability of any secondary backup system to support the load?	Tip truck loads becoming dislodged from the tipper body		Mechanical tarp has been installed to ensure load is contained	Prestart function	
6. All control systems (including guarding and communication systems)?	Tipper safety controls relating to auto tailgate function		Check auto tailgate at regular intervals to ensure correct function	Prestart	
7. The suitability and condition of all accessories?	Towing breakaway braking system for loading trailer		Ensure periodical check via competent person	Maintenance by qualified Service Centre	
8. The adequacy of access and egress?	Truck Steps (cabin and body)		Truck Steps have been designed by the manufacturer and are a design feature of the truck. The tipper body has two serrated steps for operator to check load	Maintenance by qualified Service Centre	
9. The suitability and stability of the plant and its support systems?	Tires and ground conditions		Ensure that tire pressure is monitored on a regular basis and the ground is not uneven for tipper operation	Operator and pre-start	
10. The location of the plant and any impact of the plant on the design and layout of the areas of use?	Nil		Nil	Nil	
11. Persons working with or in the vicinity of the plant?	Dangers associated with load shift and entrapment around the tipper		A six meter exclusion zone to be monitored by the operator and spotter	Policies and Procedures	



This report has been prepared by Benchmark Worksafety Pty Ltd

Assessed by: Tony Willacy

Date: 18th May 2017

Page 7 of 9

UNIT DETAILS

Make: Hino
Model: Tipper

Serial #: 4859593
Type: 3 Seats



Hazard Identification	Risk Assessment	Risk Ranking	Risk Control	Action by:	Completion Date:
12. Operator competencies and certification?	Qualification to operate Tipper		All operators to hold Medium Rigid license and be deemed competent by the workplace principal	Policies and Procedures	
13. Other factors not mentioned? YES ☒ NO ☐					
17. Other Hazards Can anyone be injured or suffer ill health from exposure to: 1. Chemicals 2. Toxic Gases or Vapours 3. Fumes 4. Dusts 5. Noise 6. Vibration 7. Radiation 8. Other Factors Not Mentioned? YES ☐ NO ☒					



This report has been prepared by Benchmark Worksafety Pty Ltd

Assessed by: Tony Willacy

Date: 18th May 2017

Page 8 of 9

UNIT DETAILS

Make: Hino
Model: Tipper

Serial #: 4859593
Type: 3 Seats



The assessment is completed and controls have been implemented	Yes ☐ No ☐	Signature:		Date	
--	--	------------	--	------	--