

RISK MANAGEMENT REPORT

TYPE	Tipping Trailer	
MAKE	Tefco	
MODEL	Tri Axle	
CHASSIS / VIN	6B9T25000P2FH6031	
REGISTRATION	V88778	
Report Number	OSS 20210210-0941	
Date	10-Feb-2021	
Created By	Geoff Gleeson	
Assessor	Geoff Gleeson	
Assist. Assessor(s)		
Agent	Mannes Agencies	
Lot Number	08	
Location	Farm 47	
Assessment Purpose	Sale	
State	NSW	

TABLE OF CONTENTS

SECTION 1	IMPORTANT INFORMATION
SECTION I	

Contains information outlining the scope and any limitations applicable to this Risk Management Report

MACHINE DETAILS SECTION 2

Contains standard machine specifications and details of any extras fitted

RISK ANALYSIS, RISK EVALUATION & RISK TREATMENT

SECTION 3 Contains details of the technique used to calculate risk ratings, time frame and risk treatments. Please refer to this information when reviewing and interpreting the information in section 4 & 5

RISK TREATMENTS REQUIRED

SECTION 4 Contains detailed information regarding the risk treatments to be implemented including hazard, risk rating, time frame, relevant standards & legislative references

RISK TREATMENTS IN PLACE

SECTION 5 Contains detailed information regarding the risk treatments in place including hazard, risk rating, relevant

standards & legislative references

IMAGES AND NOTES SECTION 6

Contains images & any relevant information entered by the assessor





SECTION 1 IMPORTANT INFORMATION

This report generated by Plant Assessor™ © Online Safety Systems on Wednesday 10 Feb 2021 8:40 PM

This Risk Management Report has been prepared for -

(insert recipient name/company name)

This document has been prepared to cover the sale or transfer of this item of plant between the Company identified on the front cover and their named recipient. This report must not be used for any subsequent sale or transfer.

This document is provided to meet duty of care obligations as set out in relevant state and territory health and safety regulations for the supply of plant and the sale and transfer of plant.

The safety hazards associated with the operating and maintaining of this item of plant have been identified as far as practical by visual inspection. This item of plant is being sold in an "as-is" condition with known and unknown safety hazards. No physical testing has been conducted (eg. Wire rope tests, stress tests, structural/non-destructive tests, noise tests, vibration tests, brake tests, insulation tests etc.) unless stated otherwise in the notes.

This document is not intended to provide information on, nor warrant the mechanical, electrical or structural condition of this item of plant. Any information on standard features have been supplied through the manufacturer and should be used as a guide only until otherwise verified.

This item of plant should be further assessed, tested and inspected or dismantled as necessary to gauge any further hazards and /or risks relating to SPECIFIC WORKPLACE USE, which are currently unknown, in accordance with relevant standards, regulations and acts.

Under common law and relevant state and territory health and safety acts, regulations and codes of practice, there is a requirement for the plant owner, employer and operator to exercise a duty of care in the safe operation and maintenance of plant. Accordingly before this item of plant is supplied to, or used at any workplace it must be inspected to ensure it is in a fully operational, safe and serviceable condition and that operators and maintenance personnel are appropriately trained in the use & maintenance of this item of plant.

For further information regarding this report contact Online Safety Systems on 1300 72 88 52

SECTION 2 MACHINE DETAILS

BRAKES	
Brakes	
Brakes - Parking	
DIMENSIONS/WEIGHTS	
Dry Weight (kg)	
Max Operating Weight (kg)	
Transport Height (mm)	
Transport Length (mm)	
Transport Width (mm)	
GENERAL	
Drawbar Type (Trailed Models)	
SUSPENSION	
Suspension Type	
TYRES	
Number of Tyres	
Tyre Size	







Tarp - Manual





RI	SK ANALYSIS					
			CONS	SEQUENCE—		•
HOOD		1. INSIGNIFICANT Dealt with by in house first aid	2. MINOR Treated by medical professionals, hospital out patients	3. MODERATE Significant non permanent injury overnight hospital stay	4. MAJOR Extensive permanent injury eg. Loss of fingers, extended hospital stay	5. CATASTROPHIC Death, permanent disabling injury eg. Loss of hand, quadriplegia
— LIKELIHOOD	A. Almost certain to occur in most circumstances	MEDIUM 8	HIGH 16	HIGH 18	CRITICAL 23	CRITICAL 25
•	B. Likely to occur frequently	MEDIUM 7	MEDIUM 10	HIGH 17	HIGH 20	CRITICAL 24
	C. Possibly and likely to occur at sometime	LOW 3	MEDIUM 9	MEDIUM 12	HIGH 19	HIGH 22
	D. Unlikely to occur but could happen	but IOW 2 IOW 5 MEDIUM 11		MEDIUM 14	HIGH 21	
	E. May occur but only in rare circumstances	LOW 1	LOW 4	LOW 6	MEDIUM 13	MEDIUM 15

LUATION	CRITICAL	Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below.
RISK EVA	HIGH	Act immediately to mitigate risk. Implement risk treatment(s) in accordance with the risk treatment table below. If the appropriate risk treatments are not immediately accessible establish interim risk treatment strategies. Permanent risk treatments must be implemented within one week.
	MEDIUM	Take reasonable steps to mitigate and monitor the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented with one month.
	LOW	Take reasonable steps to mitigate and monitor the risk. Implement risk treatment(s) in accordance with the risk treatment table below. Permanent risk treatments must be implemented with three months.

RISKTREATMENT	Selecting the most appropriate risk treatment option involves balancing the costs and efforts of implementation against the benefits derived, with regard to legal, regulatory and other requirements. (SOUTCE AS/NZS ISO 31000-2009)						
	Eliminate	Eliminate the risk source.					
	Substitute	Provide an alternative that is capable of performing the same task which is safer.					
	Engineering	Provide or construct a physical barrier or guard.					
	Administration	Develop policies, procedures, practices and guidelines in consultation with employees to mitigate the risk. Provide training, instruction and supervision about the risk source.					
	Personal protective	Provide personal protective equipment to protect the individual from the risk source.					





SECTION 4 RISK TREATMENTS REQUIRED

This section of the report pertains to hazards created by use of this item of plant which currently do not have risk treatments in place. The risk treatments recommended in this section have been developed based on relevant Australian Standards, health & safety legislation, the hierarchy of risk treatment in accordance with the guidelines set forth in AS/NZS ISO 31000 – Risk Management and various other sources. The recommended risk treatment measures must be developed, implemented and validated as effective prior to the operation, maintenance or testing of this item of plant. Treatments applied must be dated and initialled adjacent the recommendations. All operators must read and understand the entire contents of this section prior to operating this item of plant.

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating	Time Frame	Due Date	Date Rectified	Initial
OPERATION						
INCORRECT OPERATION	CRITICAL 24	MEDIUM 15	Immediate	10-Feb-21		

Risk Treatment Required: Operator Competency

Only persons who are qualified, trained and experienced and/or hold the relevant certification/license can operate this item of plant. If there is not a competent/licensed person available for operation of this item of plant then only persons who are supervised by a competent/licensed person can operate this item of plant.

Legislation: State Health & Safety Legislation & Regulation

References: Occupational Health & Safety Act & Regulations, Work Health & Safety Act & Regulations-



Risk Treatment Required: Electrical Approach Distances

Attach a clear hazard warning label re: overhead electrical hazards and minimum approach distances adjacent operator work areas and any access to the top of the item of plant. These distances must be adhered to strictly. Once fitted these labels and tables must be present, clear and legible at all times.

Spotters are required when working within 5 metres of the minimum approach distance of any live electrical apparatus.

Any encroach within the minimum approach distances must only occur if the following provisions have been met -

- 1. The machine is designed to work within the minimum approach distances
- 2. Permission has been granted by the electricity company
- 3. Safe systems of work have been documented and approved

Legislation: State Health & Safety Legislation & Regulation

References: ISO31000

INCORRECT OPERATION	HIGH 22	MEDIUM 15	1 Week	17-Feb-21	

Risk Treatment Required: Control Labels

Ensure all controls including all levers, buttons, pedals, switches etc. are clearly labelled as to their purpose and method of operation prior to operating this item of plant. Once achieved these labels must be maintained in a clean condition at all times.

Legislation: State Health & Safety Legislation & Regulation

References: AS/NZS4024.1905

CRUSHING, FALLING HIGH 22 MEDIUM 15 1 Week 17-Feb-21
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Risk Treatment Required: No Riding On Machine Label

Ensure this item of plant has a hazard warning label re: "No Riding on Machine", attached prior to operation. It must be present, clear and legible at all times whilst this item of plant is in operation.

Legislation: State Health & Safety Legislation & Regulation

References: AS1319, AS1418.8



Risk Treatment Required: Pre-op Checklist Tipping Trailer

Source or develop pre-operational checklist for this Tipping Trailer. (Pre-op checklist available via the Custom Reports section of Plant Assessor)

References: Occupational Health & Safety Act & Regulations, Work Health & Safety Act & Regulations-





Prelim. Risk **Residual Risk** Time **Date** Initial HAZARD(S) **Due Date** Rectified **Rating Rating** Frame **OPERATION INCORRECT OPERATION** HIGH 22 MEDIUM 15 1 Week 17-Feb-21 Risk Treatment Required: **SOP Tipping Trailer** Source or develop Safe Operation Procedures for this Tipping Trailer. (Safe Operation Procedures are available via the Custom Reports section of Plant Assessor) References: Occupational Health & Safety Act & Regulations, Work Health & Safety Act & Regulations-**INCORRECT OPERATION** HIGH 22 MEDIUM 15 1 Week 17-Feb-21 **Risk Treatment Required: Operation Handbook** The manufacturer's operation handbook is not available for this item of plant. A full assessment of the competence of operators must also be undertaken. This handbook must be sourced and made available to all operators and maintenance staff at all times as a requirement of current legislation. If Operation handbook cannot be sourced the operation manual must be developed by a competent person. All personnel who may operate this item of plant must read and be familiar with this handbook prior to operating. Legislation: State Health & Safety Legislation & Regulation References: Occupational Health & Safety Act & Regulations, Work Health & Safety Act & Regulations-1 Week 17-Feb-21 **FIRE** HIGH 21 MEDIUM 15 **Risk Treatment Required:** Fire Extinguisher No fire extinguishers are installed on this item of plant. Fire extinguisher(s) to AS 1841 must be present and fully functional and serviceable at all times. They must be readily accessible to the operator. Regular inspections must also be carried out in accordance with the manufacturer's requirements and AS 1851 Legislation: State Health & Safety Legislation & Regulation References: **CRUSHING** MEDIUM 14 MEDIUM 13 1 Month 12-Mar-21 Risk Treatment Required: Crush Zone Ensure that this item of plant has a hazard warning label re: Crushing, keep all body parts clear, adjacent all crush zones. Once installed these must be present and fully functional and serviceable at all times Legislation: State Health & Safety Legislation & Regulation References: AS/NZS4024.1201, AS1319-**Assessor Comments:** Under tipping body and at tailgate. **DESIGN COMPLIANCE COLLISION, CRUSHING** HIGH 22 MEDIUM 15 1 Week 17-Feb-21 **Risk Treatment Required:** Loose Loads - External

Ensure all loads are correctly positioned and securely restrained to this item of plant to prevent unintended movement during transit.

References: ISO31000



Risk Treatment Required: Tipping Body Prop

Ensure that a mechanical safety support and clear instruction label adjacent are installed to the tipping body prior to accessing the area under the tipping body for maintenance or any other purpose. Once installed these must be fully functional and serviceable at all times. These must be used when accessing the area under the tipping body for maintenance or any other purpose.

Legislation: State Health & Safety Legislation & Regulation

References: AS1418.8





HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating	Time Frame	Due Date	Date Rectified	Initial
DESIGN COMPLIANCE						
COLLISION, CRUSHING	HIGH 22	MEDIUM 15	1 Week	17-Feb-21		

Risk Treatment Required: Hold To Run Tipping Body Controls

Ensure that the tipping body controls are the "hold to run" type prior to operation.

Once achieved operators and maintenance staff MUST NEVER attempt to bypass this important safety feature. Failure to comply with this instruction may lead to serious injury or death.

References: AS1418.8

CRUSHING	HIGH 22	LOW 2	1 Week	17-Feb-21		
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Risk Treatment Required: Hydraulic Load Holding Devices - Tippers

The load carrying cylinders to the tipping body on this item of plant must be fitted with automatic means (e.g. load-holding valves) to prevent uncontrolled movement of the unit in the case of loss of power or hydraulic failure. Once fitted these devices must be present and fully functional at all times whilst this item of plant is in operation.

References: AS1418.8



Risk Treatment Required: Emergency Stop Device - Tippers

This tipping body must be fitted with an emergency stop device located adjacent the tipping controls which meets the following criteria prior to operation.

- 1. Is operational
- 2. Is coloured red with yellow background
- 3. Is easily accessible to the operator at all times whilst operating this item of plant
- 4. Actuation of the emergency stop only eliminates the power source to the tipping hoist
- 5. Resetting of emergency stop does not automatically restart the tipping hoist
- 6. Is clearly labeled as to purpose and method of operation (Plant Assessor label #0088)

Once fitted it must be serviceable at all times whilst this item of plant is in operation.

References: AS/NZS4024.1604

INCORRECT OPERATION	HIGH 20	MEDIUM 14	1 Week	17-Feb-21		
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Risk Treatment Required: Intuitive Controls

The controls fitted to this item of plant must be orientated so that the movement of the control is consistent with the action of the machine e.g. moving a control lever to the left results in the machine turning to the left.

Once achieved this design feature must be maintained at all times whilst this item of plant is in operation.

References: AS/NZS4024.1906



Risk Treatment Required: Control Levers/Pedals/Buttons

Ensure all controls including all levers, buttons, pedals, switches etc. are non-slip and free from damage prior to operating this item of plant. These conditions must be maintained to this level at all times whilst operating this item of plant.

Legislation: State Health & Safety Legislation & Regulation

References: AS/NZS4024.1901



Risk Treatment Required: Access/Egress Instruction Label

Ensure the access and egress to the cabin/work area has an instruction label fitted with the following information as a minimum -

All personnel must

- Always face the item of plant during access and egress.
- 2. Always maintain three points of contact during access and egress.
- 3. Ensure the steps are clean.
- 4. Never jump off machine.

Once fitted this label must be clear and legible at all times whilst this item of plant is in operation.

References: ISO31000





Make Tefco
Model Tri Axle
Type Tipping Trailer

Chassis / VIN Assessed By Date 6B9T25000P2FH6031 Geoff Gleeson 10-Feb-2021

Prelim. Risk **Residual Risk Time Date** Initial HAZARD(S) **Due Date** Rectified **Rating Rating** Frame **DESIGN COMPLIANCE FALLING, SLIPPING** MEDIUM 12 LOW 6 1 Month 12-Mar-21

Risk Treatment Required: Hopper Access

Ensure the access and egress to the hopper is non slip, free from damage with three points of contact available at all times. Once achieved this must be maintained at all times whilst this item of plant is in operation.

Legislation: State Health & Safety Legislation & Regulation

References: AS1657

Assessor Comments: Steps not non slip.

MAINTENANCE



INCORRECT OPERATION

HIGH 22

MEDIUM 15

1 Week

17-Feb-21

Risk Treatment Required: Maintenance Manual

The manufacturer's maintenance manual(s) are not available for this item of plant

These manuals must be sourced and made freely available to all persons carrying out maintenance activities as a requirement of current legislation. If these manuals cannot be sourced, the maintenance manual(s) must be developed by a competent person, and then made available to all relevent persons.

Legislation: State Health & Safety Legislation & Regulation

References: Occupational Health & Safety Act & Regulations, Work Health & Safety Act & Regulations-



OPERATIONAL MALFUNCTION

HIGH 21

MEDIUM 15

1 Week

17-Feb-21

Risk Treatment Required: Service Records

Service and maintenance records are not available for this item of plant.

This risk assessment will form the basis of your records for this item of plant. Service and maintenance records must be developed and maintained as part of your plant safety management programme. This includes regular inspections re: the general condition of the item of plant including (but not limited to) tyre condition, oil levels and wear and tear on critical items such as brakes and steering, etc. All OEM prescribed, scheduled and non scheduled maintenance must also be documented as part of these records.

Legislation: State Health & Safety Legislation & Regulation

References: Occupational Health & Safety Act & Regulations, Work Health & Safety Act & Regulations-

SECTION 5 RISK TREATMENTS IN PLACE

This section of the report pertains to risk treatments currently in place on this item of plant. This section must be read in conjunction with the safety section of the manufacturers handbook. All operators must read and understand the entire contents of this section prior to operating this item of plant. These treatments or equivalent must remain in place at all times whilst this item of plant is in operation.

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
DESIGN COMPLIANCE		
BURNS, STRIKING	HIGH 22	MEDIUM 15

Risk Treatment In Place: Hydraulic Hoses

This item of plant has hydraulic hoses. These hoses must be inspected each day or before each use for wear and tear. If there are visible signs of wear immediate action must be taken to control the risk arising from this wear. These inspections must be documented.

Hydraulic fluid at high pressure can penetrate the skin, never use any part of your body to check for leaks. If oil penetrates the skin seek medical advice immediately. Always use a piece of cardboard or similar to check for suspected leaks.

Hydraulic pressure can be stored and is a hazard. Before disconnection or connection of hydraulic hoses complete the following steps -

- 1. Stop engine
- 2. Keep all bystanders clear of the work area
- 3. Refer to operators manual as to methods to release pressure
- 4. Wait 5 minutes

References: AS2671, AS4024





HAZARD(S) Prelim. Risk Rating Residual Risk Rating

DESIGN COMPLIANCE



NON COMPLIANCE

HIGH 22

MEDIUM 15

Risk Treatment In Place: Trailer Compliance Plate

This trailer is fitted with a manufacture's compliance plate that has the following information permanently marked upon it as a minimum -

- 1. Name of the manufacturer or importer
- 2. Trailer model
- 3. VIN (Vehicle identification number)
- 4. Date of manufacture
- 5. ATM (Aggregate trailer mass)
- 6. A certification statement complying with the Standards Act 1989?

Ensure that this plate is present and legible at all times whilst this item of plant is in operation.

References: Australian Design Rules-



COLLISION, NON COMPLIANCE

CRITICAL 24

MEDIUM 15

Risk Treatment In Place: Trailer Brakes (GTM 2000kg +)

This item of plant has fully functional brakes fitted to all wheels.

These brakes must be fully functional at all times whilst this item of plant is in operation. The brakes must be regularly inspected and tested. These inspections and tests must be documented as part of your plant safety programme.

References: Australian Design Rules-



COLLISION, NON COMPLIANCE

CRITICAL 24

MEDIUM 15

Risk Treatment In Place: Emergency Braking System (2000kg +)

This item of plant has an emergency braking system fitted which automatically applies the brakes in the event of a trailer break away from the towing vehicle and the brakes will remain applied for a minimum of 15 minutes.

This emergency braking system must be fully functional at all times whilst this item of plant is in operation. The brakes must be regularly inspected and tested. These inspections and tests must be documented as part of your plant safety programme.

References: Australian Design Rules-



COLLISION, CRUSHING

CRITICAL 24

MEDIUM 15

Risk Treatment In Place: Park Brake

This item of plant is fitted with a fully functional park (hand) brake which meets the following requirements –

- 1. Is separate to the service brakes
- 2. Has a device which maintains the brake in the on position until intentionally disengaged &
- 3. Requires at least two separate and distinct movements to disengage the park brake.

The park brake must be regularly inspected and tested. These inspections and tests must be documented as part of your plant safety programme.

References: Australian Design Rules-



COLLISION

HIGH 22

MEDIUM 11

Risk Treatment In Place: Turning, Braking & Presence Lights

This item of plant is fitted with lighting to indicate presence, turning and braking. All of these lights must be fully functional whilst this item of plant is in operation in areas of reduced light.

If any of these lights stop working the operation must cease immediately and the faulty light be repaired before operation can continue in the areas of reduced light.

References: Australian Design Rules-



STRAINS

HIGH 19

LOW 5

Risk Treatment In Place: Controls Ergonomics

All controls including all levers, buttons, pedals, switches etc, are placed near the operator work position and are easy to reach and operate during the execution of the operator's normal duties. This applies for all persons within the 95th percentile of the normal population distribution.

References: AS/NZS4024.1901





Make Tefco
Model Tri Axle
Type Tipping Trailer

Chassis / VIN Assessed By Date 6B9T25000P2FH6031 Geoff Gleeson 10-Feb-2021

HAZARD(S)	Prelim. Risk Rating	Residual Risk Rating
DESIGN COMPLIANCE		
220.011 00.111 2.21102		
OPERATIONAL MALFUNCTION	HIGH 22	LOW 2
Risk Treatment In Place: Plant Modification		
The plant is in original condition.		
References:		
MAINTENANCE		
COLLISION, INSTABILITY	HIGH 22	MEDIUM 15
Risk Treatment In Place: Tyres		
The tyres and wheel components must be inspected as part of a "pre start" checklist. These inspection	s must be documented as part of you	ır plant safety programme.
References: ISO31000		
BURNS, STRIKING	HIGH 22	MEDIUM 15
Risk Treatment In Place: Hydraulic Damage		
The hydraulic hoses to this item of plant are free from damage and protected against damage arising f from damage and that protection is in place at all times whilst this item of plant is in operation. Inspect conducted regularly and documented as part of your plant safety programme.		
References: AS2671, AS4024, ISO4413		
CURRENT OR PREVIOUS STRUCTURAL DAMAGE	CRITICAL 25	MEDIUM 15
Risk Treatment In Place: Structural Integrity		
Regular checks for structural damage must be undertaken. Look for cracks in frames/chassis (current o	or repaired), bends or damage to stru	ctural components, etc.
References:		
OPERATIONAL MALFUNCTION	HIGH 22	LOW 2
Risk Treatment In Place: Major Fluid Leaks		
This item of plant must remain free from leaks at all times whilst in operation (this includes engine, tra and hydraulics). Development of a major leak will require this item of plant to be stood-down until repair		

SECTION 6 IMAGES AND NOTES

References: ISO31000





Make Tefco
Model Tri Axle
Type Tipping Trailer

Chassis / VIN Assessed By Date 6B9T25000P2FH6031 Geoff Gleeson 10-Feb-2021



RISK MANAGEMENT REPORT

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CHASSIS / VIN	6B9T25000P2FH6031	Assessor	Geoff Gleeson
REGISTRATION	V88778	Assist. Assessor(s)	
		Agent	Mannes Agencies
		Agent Lot Number	Mannes Agencies 08
		Lot Number	08

PURCHASER ACKNOWLEDGEMENT

I the undersigned acknowledge that I have read and understand the risk management report described above. I also acknowledge that I have received a copy of this risk management report. I also acknowledge that I am authorised to sign on behalf of the purchaser.

Name
Company Name
Position
Signature
Date
The manufacturer's operational & maintenance handbooks have been supplied, (circle one) YES NO (initial) Please transfer this assessment to my Plant Assessor membership as a (circle one) HIRE / PLANT IN USE assessment. My Plant Assessor username is