

MAIN ROADS WESTERN AUSTRALIA WESTERN AUSTRALIA HEAVY VEHICLE ACCREDITATION

RESTRICTED ACCESS VEHICLES MASS MANAGEMENT SYSTEM

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Australian Business Number	
Operator Business Address	
Operator Postal Address	
Mobile	
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Document Number				
Document	History			
Revision	Date	Description	Prepared By	Approved By

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1. Introduction

Control of vehicle and axle group loading is an integral process to Company X's operation.

1.1. Purpose

This plan is intended to provide a framework for which vehicles will be controlled ensuring axle mass limits do not exceed the Accredited Mass Management Scheme.

Company X's Mass Management System provides the framework and tools to ensure that:

- Legislative, regulatory compliance, and standards are achieved
- All personnel are aware of and understand, their responsibilities and are accountable for the Mass Management System.
- Audits of Mass Management System performance are conducted and assessed for continual improvement, and
- MRWA expectations and requirements are addressed and realised

1.2. Scope and application

This document applies to all Company X operations where loads will be transported using a singe semi trailer, a double or triple road train combination. The Mass Management Process shall be applied to all stages of planning, execution and review of work scopes.

Company X will initiate and maintain all reasonable precautions, establish, implement and maintain programs in order to conform to the requirements of this plan, whilst ensuring full compliance with all applicable legislative and standards requirements.

1.3. References

	Stan <mark>d</mark> ard	MMS Reference
	Eligibility Requirements for Mass	
1	Management	
	Records showing loading control methods	
1.1	ensure loads are within allowed limits	Internal Records
	Engage MRWA Mass Management System	
1.2	Auditor	
1.3	Complete and Submit Entry Audit to MRWA	

2	Vehicle Control	
		2.1 Vahiala Dagiatustiana
2.1	Comprehensive Register of all vehicles	3.1. Vehicle Registrations
2.2	Valida Battar (C. fft taut faultalauman)	CEH MRHVA Accreditation - MRHVA
2.2	Vehicle Rating (Sufficient for higher mass)	Portal
	Nominate vehicles authorised (licence,	CEH MRHVA Accreditation - MRHVA
2.3	permits, etc.)	Portal
	Subcontractors operating exclusively for	
2.4	operator	None
3	Vehicle Loading - Mass	
	Demonstrate axle loading within allowable	Appendix 1 - Mass Management Loading
3.1	limits	Plan Form
		4.1 Loading Plan - Type of Product,
3.2	How variations will be controlled	Loading Location
3.3	Dealing with over loaded vehicles	4.1 Loading Plan - Loading Location
3.4	Certification of loading devices	Maintenance Procedure 4.16
		<u> </u>
4.	Responsibilities	
4.1	Clearly identify task in MMS	5.1.1 5.1.3.
4.2	Who is responsible for each task	5.1.1 5.1.3.
		5.1.1 5.1.3, Appendix 4 - Employees
4.3	Responsibility Statements	Signatures
	Responsibility Statements read, signed, and	5.1.1 5.1.3, Appendix 4 - Employees
4.4	dated by responsible person	Signatures
4.5	Responsible people appropriate and trained	5.1.4, 5.2.
	Responsible back up people for responsible	Driver to conduct Mass Management
4.6	persons	Tasks
	Responsible person know how to access their	
4.7	written responsibilities	5.3. Communication
5	Records and Documentation audit	
5.1	Policies and Procedures	2.1 2.2, 4.1 - 4.16.3
5.2	Records legible and identifiable to driver	5.3 Communication
	Documentation available to staff at all	
5.3	locations	5.3 Communication
	MMS Maintained and updated, responsible	*******
5.4	person documented	5.1.1. Managing Director
5.5	Document archives	6.1. Records
ر. ح	Document archives	O.I. NCCOIGS

5.6	Documents retained from each trip	4.1 Recording Management
6	Internal Review	
6.1	Procedures for annual internal review	7.1. MMS Audits
	Internal review carried out by independent	
6.2	person	7.1. MMS Audits
	Non conformance and corrective action plan	
6.3	and register	7.2 Corrective and Preventative action
	Procedure to allocate responsibilities for	
6.4	corrective action	7.2 Corrective and Preventative action
		7.1. MMS Audits, 8.6. Appendix 6 -
6.5	Quarterly Compliance Statement	Compliance Statement Form
7	Training and Education	
	Identify needed training for load	
7.1	management	5.4, 7.2
7.2	Procedure for keeping training records	6.1 Records
7.3	Mass management training inductions	5.1.4
	Regular review of training, training staff	
7.4	responsible	5.1.1 - 5.1.2, 5.2
7.5	MMS provided to staff and subcontractors	5.3 Communication

2. Leadership and Commitment

2.1. <u>Management Commitment</u>

Company X Management is committed to ensuring vehicle and load control issues are effectively managed to prevent non-compliance, incidents, damage and loss of business.

Management will set expectations for Mass Management, and provide resources to ensure the successful implementation of the Mass Management System.

2.2. Objectives and Targets

Company X has established Mass Management objectives and targets relevant to the scope of work being performed.

Company X MMS objectives are:

- Reliable load control methods
- Comply with industry standards and legislative requirements relevant to Company X scope of work

Company X MMS targets are:

- Zero non-compliance incidents
- Comply with Company X Mass Management System requirements

3. Vehicle Register

3.1. <u>Vehicle registrations</u>

The aim of this section is to demonstrate that Company X has satisfied MMMS Standard 2: Vehicle Control.

Company X Vehicle information can be found in MRHVA on MRWA portal. List of accredited vehicles:

Make and Model	Reg. #	Reg. Owner	VIN	Tare Mass (kg)	Max Rating (GCM) (kg)
Mack Superliner		Company X		9690	145,000
Mack		Company X		12040	185,000
Volvo FH700		Company X		10440	131,000
Scania R620		Company X		10520	132,000

All vehicles have sufficient rating, licences and permits to operate as per Tandem Drive Network (Road Tables), category 9, network N9.3 (Prime Mover, Semi Trailer towing 2 x Dog Trailer, >36.5m, < 53.5m. This is verified by internal reviews MRWA licensing and accreditation of the vehicles within the vehicle register.

See Appendix 7 for vehicle manufacturers ratings letters

There are no subcontractors nominated for Company X.

4. MMS Processes

This process aims to satisfy Standard 3: Vehicle Loading - Mass of the WAHVA Mass Management Standards

4.1. Loading Plan

Loading and weigh procedure

Weigh procedure is to take place on level and compacted ground. Whether on bitumen or graded level surface, a steel plate (3m x 6m x 20mm) will be placed on surface. Scales will be placed on top of steel plate to ensure the ideal conditions are maintained to achieve optimal accuracy of mass readings.

The driver will set up vehicles' axles over portable axle scales before product has been lowered onto trailer. A scale will be placed under each axle so that a static reading can be achieved. The static method is used to ensure accuracy of reading at 0.5% to 1% or better.

Once rigging tension is released and total mass of product is exerted on trailer, scale controller will produce mass readings for each axle.



Type of product

Company X intends to utilise this MRWA concessional loading scheme (AMMS) to transport in gauge break bulk products.

Due to nature and characteristics of product to be transported by Company X, wet weather or extreme temperatures will not influence mass, density, temperature, and size during any transport operation.

Mass of product will remain consistent from time of loading, during duration of transport, and time of offloading.

Product will be secured by driver as per Load restraint guide.



Loading Location

Weigh procedure will take place at point of loading which will occur on level ground at various sites within WA. This is to ensure that if the product exceeds the allowable excess mass limits on any axle groups, the lifting machine that lifted the product onto the trailer, is present and available to reposition or lift the product off the trailer.

Driver will check and record mass of product before it is loaded onto the trailer. The mass of product can be sourced from the client and the label on the product itself.

Recording Procedure

Portable Axle Scale is designed to weigh axles mass at remote locations and to weigh each axle and sum up the relevant axle groups.

The controller will print the readings.

These readings will be recorded on the Mass Management System Loading Plan Form. See appendix 1.

Both the print out of readings and the form will be kept in a file in the truck and later stored in the office records for management monitoring and external auditing purposes.



30/10/2008 11:15:23 Vehicle Reso:789 Total Weisht: 10840ks Axle:01 11:14:47 3440ks Axle:02 11:14:55 3880ks Axle:03 11:15:02 3520ks

Calibration Maintenance Procedure

Calibration of the portable axle scale system is to be carried out every 12 months as per manufacturers specifications. Calibration is carried out at manufacturers premises in The equipment will be returned to manufacturer in time for calibration on an annual basis.

Care and Maintenance of weigh device

Scales are to be cleaned and stored securely every day. Controller is to be locked away when not in use to avoid unwanted recalibrations of the system. Drivers are to handle equipment with care, not dropping or knocking equipment, and not allowing controller to get wet in ground water or in wet weather.

4.2. Weigh Device Use, Calibration, and Maintenance Information

Overview

Portable wheel pad truck weighbridges are used to measure and report weighing data of on and off road vehicles either statically or dynamically. Portable wheel pad truck weighbridges are widely used in the general freight, heavy haulage mining & grain industries, as they help to economically optimize business performance and safety in those industries.

The Company Y portable scale system is the latest development in portable truck weighing with many standard and unique features, such as:

- Low profile 765(W) x 470(L) x 18(H) or 950(W) x 550(L) x 22(H) 20t or 40t capacity pads at static accuracy of 0.5%-1% or better.
- Roll out levelling mats to equalise tyre level on a grouped axle
- Integrated battery operated controller housed in a robust portable case
- Backlit LCD display, readable in both day and night conditions
- Static or dynamic (in-motion) weighing functionality, selectable at factory
- Data input functionality for time, date, vehicle registration numbers and operator ID's
- Rechargeable 6V battery with 40hr capacity
- Up loadable test reports

System Description

The Company Y portable scale system comprises 2 low profile wheel pads, an optional wheel pad mounting frame, 4 roll out levelling mats, 2 x 10m wheel pad to controller cables, 1 rechargeable battery powered controller with numeric keypad and tally roll printer, and a 240V AC to 6V DC plug pack.

4.3. Principle of Weighing

The Company Y portable scale is an axle weighing system. The combination of the two wheel pads and controller, function to form a static or dynamic load mass analysing module that calculates the load of each axle. This axle weighing system will allow only one axle to be analysed on the weigh pads at any one time. Based on axle weights, gross vehicle mass is calculated and reported along with other key information such as time, date, truck registration and operator number.

4.4. <u>System Components</u>

4.4.1. WEIGH PADS

The Company Y portable scale system uses light weight alloy steel 20t or 40t capacity weigh pads offering superior temperature control, repeatability, and overall accuracy.

They include a large weighing surface and an extremely low profile (only 18mm high). The excellent accuracy is due to the 20 independent load cells under the top plate.



4.4.2. WEIGH PAD SPECIFICATIONS

Capacity (t)	20t or 40t each	
Overload	150%FS	
Output (mv/v)	1mv/v	
Input Voltage (v)	10 – 15v DC	
Maximum Input Voltage (v)	24v	
Input Resistance	770Ω	
Output Resistance	700Ω	
Insulation Resistance	>20MΩ	
Operating Temperature Range	-40 to +70 °C	
Material	Light weight high strength alloy steel	
Weighing Area	715mm x 420mm (20t) or 900mm x 500mm	
	(40t)	
Protection Class	IP67	
Excitation +	Red	
Excitation -	Black	
Signal +	Green	
Signal -	White	

4.4.3. CONTROLLER

The Company Y Portable Scale controller is simple to operate portable battery powered unit. It can operate in temperatures from 0°C to 40°C, and samples data from the weigh pads at 200 times per second. The built in power supply is a 6V/10AH lead acid battery rechargeable from a DC source (7.5V/3A or 12V/3A). Power supply usage is 70ma with no printing and display backlight switched off, and 1000ma when printing.







5. Accountabilities & Responsibilities

The aim of this section is to demonstrate that Company X satisfies MMMS Standard 4: Responsibilities.

All company personnel have a duty to carry out their work in accordance with the Company X MMS. All personnel are responsible for the Mass

Management System, with the ultimate responsibility resting with the Managing Director.

5.1.1. <u>Managing Director</u>

The Managing Director is responsible for maintaining the Mass Management System. He is accountable for:

- The provision, implementation & measurement of an effective Mass Management System.
- Providing necessary resources for successful implementation of the Mass Management system
- Reviewing Mass Management System performance to drive continual improvement.
- Assess driver competence with MMS knowledge, understanding, and competence on a regular basis.
- Ensure that all elements of the Mass Management System are maintained and updated.
- The initiation of preventative and corrective actions as necessary. A final and
 written warning or an appropriate disciplinary measure is to be given or taken to
 employees that are negligent or non-compliant in the responsibilities toward this
 MMS.

Above is read and understood by Managing Director.

Signature:	Date:	

5.1.2. Supervisor

The Supervisor is responsible for assisting the Managing Director in maintaining the Mass Management System. He is accountable for:

- The provision, implementation & measurement of an effective Mass Management System.
- The initiation of preventative and corrective actions as necessary

- Detecting Non-Compliance, reporting, investigating, and taking preventative action. Supervisor is to inform Managing Director of Non-conformance.
- Assess driver competence with MMS knowledge, understanding, and competence on a regular basis.

Signature:	Date:
0	

5.1.3. <u>Employees and Contractors</u>

Every employee of Company X is responsible for:

- Understanding and complying with the Mass Management System
- Using the correct equipment for the task of weighing axle mass
- Understanding the various uses of the equipment they use and its limitations
- Using the equipment as per the manufacturers specifications and within its limitations
- Inspecting equipment prior to use each time
- Maintaining and storing the equipment used in a safe manner
- Following the MMS Process and the equipment use information as per this procedure.
- Non-compliance can be detected by any employee by witnessing another
 employee entering a public road, when it is known that the axle masses are
 above the allowable limit. Employees are to report any non-conformance to there
 supervisor or to the Managing Director.

See Appendix 6 for employee's signatures to confirm that they have read and understand their responsibilities with regards to this MMS.

5.1.4. Company Induction

All personnel working for Company X will undertake a MMS induction so they are aware of their responsibilities and what is expected of them regarding objectives of the MMS.

The induction will be documented on the Personnel Induction Checklist and kept on file for auditing purposes. Personnel will be required to sign the induction to say they understand the MMS requirements as an employee or Sub-contractor of Company X.

5.2. Training and Competency

According to the Company X Training and Development Policy, all Company X staff shall be trained and competent in managing the tasks within their scope of work, including executing the MMS Process and reporting non-compliances. Competency and awareness requirements, and records of all Company X personnel training and qualifications will be kept on record.

These requirements apply to all Company X personnel who shall allocate appropriate resources to meet all such requirements. Company X will ensure that all employees, and Sub-Contractors:

- Hold current and relevant licenses, qualifications/competencies or certifications;
- Are assessed as competent on a regular basis; and
- Have acquired the knowledge and skills that enable a person to perform a specified task correctly and safely

Company X is responsible to ensure that their employees have the ability to read and write in English, and understand instructions and information to enable them to perform their assigned work. This methodology will require Company X to adopt a best practice learning culture that provides a systematic approach to training, which will:

- Ensure MMS performance
- Assist individuals achieve job competency
- Establish capacity for continuous improvement
- Demonstrate investment in people
- Assist in the compliance of legislation and regulatory requirements
- Identify and implement innovative flexible training arrangements to meet operational requirements and ongoing training needs

Individuals are responsible for advising the Managing Director, if they believe they have not received appropriate training for a task they are required to perform.

5.3. Communication

Effective communication of MMS information is required to ensure that employees are aware of MMS issues and activities.

The Managing Director is responsible for ensuring a system has been established to facilitate the communication of MMS activities, issues and information to employees.

MMS information is communicated in various ways, these include:

• A copy of this MMS is kept in every vehicle allocated to operations of Company X.

- Conducting Pre-Start/Tool Box Safety Meetings
- Incorporating in project plans
- Inductions
- Safety Bulletins
- Emails
- Meetings

Employees must be advised of any changes to processes, procedures, and equipment.

This advice will be forwarded to all staff from Director level down to ensure that Change is managed correctly, and that staff are made aware before further work is executed.

5.4. Employee Consultation and Involvement

All employees are required to implement the MMS procedures.

Employees can provide constructive feedback on MMS procedures and issues at any time.

In the case where an employee is unsure of how to achieve the objectives of the Mass Management System accurately, they are to inform a their supervisor, who will continue the MMS Procedure and ensure employee is retrained and confident before being assigned to the tasks within the MMS.

6. Records Management

The aim of this section is to demonstrate that Company X satisfies MMMS Standard 5: Records and Documentation.

6.1. Records

MMS Records must be maintained to demonstrate compliance with the MMMS, and for legal requirements.

The following MMS related records must be maintained and kept in accessible office storage for no less than 3 years:

- Vehicle Registers
- Mass Management System Loading Plan Form
- Personnel Induction Check Lists
- Incident Reports and Investigations
- · Audits and Reviews

The following information must be kept in the relevant vehicles for each trip:

- Registration details of Prime mover and combinations used
- Applicable licenses and permits
- Details of load carried
- Axle Mass Readings (Loading Plan Form)
- Method to obtain axle masses (Mass Management System)
- Driver will calculate rollover threshold of each vehicle for each trip, given the
 mass and height of CoG. Company X employees will make use of
 the static threshold calculator provided by MRWA and 'Heavy Vehicle Driver
 Tips and Guide Issue 8 Tips to Prevent Rollover Crashes' to ensure that they
 implement the necessary steps and driving behaviour to prevent rollovers.

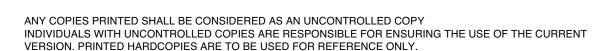
6.2. Incident and Non-compliance Reporting

All MMS incidents are to be reported, recorded and investigated in a timely and systematic matter.

Non-compliances will be recorded utilising the Company X Incident Report Form & given immediately to the Managing Director. The Managing Director will use this information to commence the investigation.

6.3. <u>Incident Investigation</u>

Investigations are to be conducted for all incidents to identify the root cause(s), and determine corrective & preventative actions to eliminate repeat occurrences. The depth of investigation will depend on the actual or potential outcomes, and may require participation from senior management.



7. Internal Review

The aim of this section is to demonstrate that Company X satisfies MMMS Standard 6: Internal Review.

7.1. MMS Audits

An MRWA approved Auditor, will be contracted to conduct an annual audit of the MMS to ensure that the system has been effectively implemented and maintained. This audit will take place in no more than 1 year repeating increments after the entry audit takes place.

The audit will set out to determine whether all the requirements of this MMS have been met.

Requirements to be audited:

- Standard 1: Performance records, calibration results, and entry audit are in place.
- Standard 2: Vehicle Register, records of ratings, vehicle licenses and permits are in place, up to date, and accurate.
- Standard 3: MMS process is demonstrated through presentation of procedure or records of results, accurate readings are taken and recorded, axle load limits are not exceeded, and equipment has been maintained and calibrated as per manufacturers specifications.
- Standard 4 and 7: All current employees have been inducted and understand how to achieve the objectives of this MMS; inspecting the names and signatures on filed induction forms can confirm this. Check that all current employees, confirming that they have read and understand their responsibilities regarding this MMS, have signed Appendix 6 of the MMS.
- Standard 5: Check that copies of MMS are present in relevant vehicles, and that records have been filed and stored for a minimum of 3 years.

Checklist of documents to be reviewed:

- Vehicle Registers
- Mass Management System Loading Plan Form
- Personnel Induction Check Lists
- Training records
- Incident Reports and Investigations
- Corrective Actions Register
- Compliance Statement Forms
- Audits and Reviews

Check that the following information must be kept in the relevant vehicles for each trip:

- Registration details of Prime mover and combinations used
- Applicable licenses and permits
- Details of load carried
- Axle Mass Readings (Loading Plan Form)
- Method to obtain axle masses (Mass Management System)

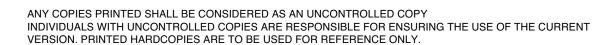
An internal review of the MMS is conducted quarterly & reported on the compliance statement.

7.2. Corrective and Preventative Actions

All non-compliances and corrective actions will be recorded in the Corrective Actions. For any non-compliance by any employee, the corrective action of retraining is to take place before the employee can return to the tasks required of the MMS.

Results from the audit will show gaps MMS and its implementation. These gaps are to be recorded in corrective actions Register. Corrective actions are to be suggested and recorded as well, and time required for corrective actions to implemented and completed.

Actions are to be delegated by Managing Director and implemented in a timely manner by employees to ensure that MMS issues are dealt with appropriately and effectively.



8. Appendices

- 8.1. <u>Appendix 1 Mass Management Loading Plan Form</u>
- 8.2. Appendix 2– Induction Checklist
- 8.3. <u>Appendix 3 Corrective Actions Register</u>
- 8.4. <u>Appendix 4 Employee's Signatures</u>
- 8.5. <u>Appendix 5 Example of calibration certificate</u>
- 8.6. Appendix 6 Compliance Statement Form
- 8.7. Appendix 7 Vehicle Manufacturers Ratings Letters

Appendix 1 - Loading Plan Form

	-	JOB DETAILS			
Loading Location Town/Area:			Date:		
Truck Registration:			Time:		
Trailer combination:			Driver:		
Description of Load:			Client Company Name:	*	
Mass of Load:			Client Supervisor Name:	т ө :	
Dimensions of Load:					
1000日 日本	5/16/1/5	- (0) Bar	STEPHENT.	1000	\$ -8 -8 -T
1 2	3	-	5	6	7
→	→	→	+	→	→
Steer Drive	Semi trailer 1	Dolly 1	Semi Trailer 2	Dolly 2	Semi Trailer 3
Total:t Total:t Total:		Total:t	Total: t To	Total: t	Total:tons
Steer Drive Semi	Semi Trailer 1	Dolly 1	Semi Trailer 2	Dolly 2	Semi Trailer 3
Axle group Axle group Axle	Axle group	Axle group	Axle group	Axle group	Axle group
Exceed 6 tons? Exceed 17.5 tons? Exceed 23.5 tons?	ceed 23.5 tons?	Exceed 17.5 tons?	Exceed 23.5 tons?	Exceed 17.5 tons	Exceed 23.5 tons?
If any recordings of any axle groups exceed the allowable limits as per this loading plan, I will not operate this transport combination on a public road within WA.	ceed the allowable lin	mits as per this loading pla	an, I will not operate this	transport combination	n on a public road within
Driver:			Signature:		

Appendix 2 – Induction Checklist

	PERSONNEL INDUC	TION CHECKLIST	4
Employee Name		Position	
Start Date			

PART 1 – PERSONNEL ADMINSTRATION				
			Completed/Date	
Complete Sign-On For	ms			
Submit CV and verified	copies of Certifications			
Personnel Engagemen	t Form			
Tax File Number Decla	ration Form			
Sign and return Contra	ct			
Medical Questionnaire Form				
PART 2 – COMPANY INDUCTION				
Introduction to Compar	ny			
Introduction to workpla	ce/work scope			
Introduction to relevant work colleagues				
Introduction to Policies and Procedures (Maintenance, Fatigue, Dimension & Loading and Mass Management.				
Introduction to Safety Culture and Personnel standards				
PART 3 – QHSE INDUCTION				
Non-conformance Reporting				
Emergency Arrangements and First Aid				
PPE Issue and Use				
Any site specific HSE issues				
INDUCTION COMPLETED				
Employee		Conducted by:		
Signature		Signature		
Date:	_/_/_	Date	//	

Appendix 3 – Corrective Actions Register

CORRECTIVE ACTIONS REGISTER					4
INCIDENT	CORRECTIVE ACTION	DATE ISSUED	DATE IMPLEMENTED	DATE REVIEWED	DATE CLOSED



Below are names and signatures of all employees of Company X confirming that each of them have read and understood this MMS, and are committed to executing the required methods to achieve the objectives of this MMS. Name: ______ Position: Driver Signature: _____ Date: ____ Name: Position: Driver Signature: Date: Name: _____ Position: Driver Date: _____ Signature: ____ Position: Driver Name: _____ Date: _____ Signature: Name: _____ Position: Driver

Appendix 4 – Employees Signatures

Signature: ______ Date: _____

Appendix 5 – Example of weigh device calibration certificate



CALIBRATION REPORT

Test date: xxth May 2015 Test due: xxthMay 2016

Engineer:

Customer Details:

XXXXXXXXXX

Equipment details:

Model: S/N:

Division: 20kg

TEST RESULTS BEFORE ADJUSTMENT / CALIBRATION.

Applied	Scale 1	Scale 2	Axle
oad (kg)	XXXXXXXXXXXXX	xxxxxxxxxxx	Error (Kg)
0	N/A	N/A	N/A
3000	N/A	N/A	N/A
6000	N/A	N/A	N/A
9000	N/A	N/A	N/A
12000	N/A	N/A	N/A
15000	N/A	N/A	N/A
18000	N/A	N/A	N/A
20000	N/A	N/A	N/A

TEST RESULTS AFTER ADJUSTMENT / CALIBRATION.

Applied	Scale 1	Scale 2	Axle
Load (kg)	xxxxxxxxxxx	xxxxxxxxxxx	Error (Kg)
0	0	0	0
3000	3000	3000	0
6000	6000	6000	0
9000	9000	9000	0
12000	12000	12020	+20
15000	15000	15000	0
18000	18000	18000	0
20000	20000	20000	0

Notes:

Equipment is not for trade use.

Calibration was carried out in a controlled environment.

Track/road condition and installation can affect results.

Engineers Signature	XXXXX	
Datexx/xx/xxxx		
DSD #		
Traceable results to test press (Reno	rt number	Available on request

Appendix 6 – Compliance Statement Form

	COMPLIANCE STAT	TEMENT	
Statement Period		Date:	

COMPLIANCE	STATISTICS
NUMBER OF VEHICLES IN MMS	
NUMBER OF TRIPS TAKEN IN COMPLIANCE STATEMENT PERIOD	
NUMBER OF NON-COMFORMANT TRIPS	
LEVEL OF MASS EXCESS OF EACH NON COMPLIANCE	
Non-compliance 1	
Non-compliance 2	
Non-compliance 3	
Non-compliance 4	
Non-compliance 5	

Completed by:	Signature:

Appendix 7 – Vehicle Manufacturers Ratings Letters





Clack	
RA	TING LETTER
Attri	
Re:	
Email: steve.helms@macktrucks.com	
With regard to the requirements of the respective	State Registering Authorities for:
Application for Rating of a Road Train Hau Application for Exemption Certificate - Live only, or Axie and GVM Ratings	ling Unit, or stock Loadings (Prime mover or rigid truck) - Queensland
	the maximum technical load ratings tabulated below are because training component differences to the specification cturer's approved rating.
VEHICLE SPECIFICATION	
MAKE/MODEL/WHEELBASE	: MACK SUPERLINER WB5850
V.I.N.	:
ENGINE	: CUMMINS ISX 600HP / 1850FTLBS
TRANSMISSION	: EATON RTL020918B HI:0.73 LO:14.40
REAR AXLE MAKE/TYPE/RATIO	: MERITOR RT52-185G RAT4.89
REAR SUSPENSION MAKE/TYPE	: MACK MILX RSC24
SPEED LIMITED	: YES, ELECTRONICALLY TO 100 KM/HR
MANUFACTURER'S MAXIMUM DESIGN RATIN	GS:
GROSS VEHICLE MASS	: 26,000 kg
GROSS COMBINATION MASS	: 90,000 kg GENERAL : 145,000 kg LOWLOADER
FRONT AXLE & SUSPENSION STATIC RATING **	: 7.500 kg

** Ratings are Manufacturer's Design Maximum and DO NOT include capacity of tyres fitted.

: 23,600 kg

Mariager - Technical Sales Support Centre, Australia

REAR AXLE & SUSPENSION STATIC RATING "

(For queries regarding above rating, contact Application Engineering on

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