

TNZ / NZRF T/8:2008

CERTIFICATION

CHECKLIST

November 2008

The purpose of this checklist is to provide prompts while conducting the visual examination of paint applicators required during the testing of roadmarking applicators in accordance with TNZ NZRF T/8:2008. It is aimed at satisfying the requirements of the T/8 document and associated legislation not least the HSE Act 1992 and the HSE Amendment Act 2002.

Test No:

Applicator:

Owner:

Documents used or referred to:

Transit New Zealand and Land Transport New Zealand

- **Land Transport Rule: Traffic Control Devices (Rule 54002) 2004**
- **MOTSAM PART II**
- **TNZ Code of Practice for Temporary Traffic Management**
- **TNZ M/7 Notes**
- **TNZ P/12**
- **TNZ P/22**
- **TNZ T/8**

Compliance with the Health and Safety in Employment Act and Regulations

- **Health and Safety in Employment Act**
- **Health and Safety in Employment Amendment Act**
- **Health and Safety in Employment Regulations**
- **Health and Safety in Employment (Pressure Equipment, Cranes and Passenger Ropeways) Regulations 1999 - (PECPR Regulations)**
- **AS 4343: 2005 Pressure Equipment – Hazard Levels**
- **NZS 4503: 2005 Hand Operated Fire-Fighting Equipment**
- **Approved Code of Practice for Pressure Equipment (Excluding Boilers) - DOL**
- **Code of Practice for Manual Handling - DOL**
- **Approved Code of Practice for Operator Protective Structures on Self-Propelled Mobile Mechanical Plant - DOL**
- **Approved Code of Practice for the Management of Noise in the Workplace - DOL**
- **Guidelines for Guarding Principles and General Safety for Machinery - DOL**
- **Guidelines for the Provision of Facilities and General Safety in the Construction Industry - DOL**

Compliance with the Hazardous Substances and New Organisms Act and Regulations

- **Hazardous Substances and New Organisms Act**
- **Code of Practice for the Management of Substances Hazardous to Health (MOSHH)**

Compliance with Transport Regulations

- **Transport Act, 1962**
- **Traffic Regulations, 1976**
- **Land Transport Rule: Vehicle Lighting (Rule 32005) 2004**
- **Land Transport Rule: Land Transport (Driver Licensing) Rule 1999**
- **Land Transport Rule: Heavy Vehicles 31002 2004**
- **Land Transport Rule: Dangerous Goods Rule 2005**
- **Land Transport Rule: Vehicle Standards Compliance Rule 35001/1 2002**
- **Land Transport Rule: Vehicle Dimensions and Mass Rule 2002**
- **Land Transport Safety Authority Truck Loading Code**
- **NZS 5433 Part 1 :2007 Code of Practice for the Transport of Hazardous Substances on Land, 2007**
- **NZS HB76 – Standards New Zealand Handbook - Dangerous Goods – Emergency Response Guide**

11.1	<i>Applicator Type</i>			
	Type A	Type B1	Type B Operator Mounted	B Pedestrian Controlled
11.2.1	Chassis Number:		Location:	
11.2.1	Fleet / Plant No.			
11.2	Vehicle Description: (Make / Model / Year)			
8.3	Owner: (Name and Address)			
Entry Qualification				
8.4	Entry Qualification:			
8.7	Date of Last T/8:			
8.6.2	Date of Last Confirmation:			
Compliance with Transport Regulations				
10.3	LTNZ Registration No:		Expiry Date:	
	Load Cert	Tare Weight		
	Certificate of Fitness / Warrant of Fitness / Fitness for Use		Expiry Date:	
	Dangerous Goods Signs and Labels on vehicle and load <i>(Including facilities for changing in line with product changes)</i>			
	Dangerous Goods Declaration and emergency procedures			
	Correct driver's Licence with D Endorsement / Approved Handler			
	Dual Steer Conversion Certification			
	Load Restraint Certification / Plate			
	Load securing devices comply with Transport Regulations and Truck Loading Code			
	Vehicle complies with Vehicle Dimensions and Mass Rule			
Compliance with the Hazardous Substances and New Organisms Act and Regulations				
10.2	<i>(Attach references to ERMA Group Standard Requirements for Product Loaded)</i>			
	Paint Type Loaded & Approval Codes / Group Standards.			
	Paint storage vessels correctly signed & / or placarded			
	Emergency procedures appropriate / available			
	Emergency Systems clearly identified and operable			
	Spill Kit Type / Quantity			
Compliance with the Health and Safety in Employment Act and Regulations				
10.1	<i>Pressure Systems</i>			
	<i>Attach copy of determinations carried out by appropriate person</i>			
	<i>Attach copy of Test Certificates for pressure vessels with C Ratings</i>			
	<i>Attach copy of Technical Data Sheets for Paint and Hydraulic Hoses</i>			
	AS4343 Hazard Ratings:		Rating Values (C / D / E)	
	Bead Tanks			
	Air Receivers			
	Paint Hoses			
	Bead Hoses			
	Hydraulic Hoses			
Power Rating of compressor drive motor (kw)				

TEST NO:	Testing Officer	Date	Checked By	Date
Signature / date				

	Pressure Relief Valves / Bursting Disks (Setting / Rating)					
	Bead Tanks					
	Air Receivers					
	Pressure Indicating Systems function					
	Bead tank hatches interlocked					
	<i>Operating Positions, Catwalks and Ladders:</i>					
	Adequate size and design					
	Convenient Access to Ground Level					
	<i>First Aid Kit</i>					
	<i>Exhaust Safety</i>					
	Directed such that fumes do not reach driver or operators					
	No danger of ignition of flammable products					
	Noise Level below “Threshold of possible damage” or labelled					
	<i>Machine Guarding</i>					
	<i>Fire Control Equipment</i>					
	Type / Size		Serial Number		Date Last Tested	
	Type / Size		Serial Number		Date Last Tested	
Compliance with Temporary Traffic Management Requirements						
11.3.6	TMP Used:					
	<i>(attach copy of Approvals page of TMP used for compliance checking)</i>					
	Signs - (Type & Location)					
	Warning Beacons - (Type & Number)					
	Arrow Board (Type & Number)					
	Intercommunication - (Type)					
Technical Requirements All Applicators						
11.3.5	<i>Paint supply tanks</i>					
	No. 1 Capacity (L)		No. 2 Capacity (L)		No. 3 Capacity (L)	
	Ability to dilute / modify / mix paint in accordance with supplier instructions					
11.3.5	<i>Paint Gauging System</i>					
	Location in approved Quality Assurance Procedures					
	Type (Computer / dip stick)					
	Graduated in					
11.3.3	<i>Bead supply tanks</i>					
	No. 1 Capacity (Kg)		No. 2 Capacity (Kg)			
11.2.2	<i>Paint Pumps</i>		Make	Serial Number		
	Pump 1					
	Pump 2					
11.3.3	<i>Spray Guns</i>		Make / Model	Make / Model		
	Gun 1 / Gun 2					
	Gun 3 / Gun 4					
11.3.3	<i>Bead Guns</i>		Make / Model	Make / Model		
	Gun 1 / Gun 2					
	Adequate control equipment for control of application rate and embedment					
	<i>Gun mount system</i>					
11.3.3	Paint and bead guns mounted independent of load and road conditions					
	Gun mount system					

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11.2.2	<i>Compressor</i>			
	Make / Model and Serial number			
	Capacity (cfm)			
	Drive (make / model/ serial no.)			
11.3.2	<i>Applicator Controls</i>			
	All applicator controls conveniently located and clearly marked			
	All applicator control instruments readily removable for calibration / repair			
11.3.2	<i>Speedometer</i>			
	Make / Model and Serial number			
	Speed Indicator correctly located and in line-of-sight			
	Digital		Analogue	
	Minimum resolution within 5% of slowest marking speed			
	Analogue - 3mm graduation		less than 5 % of slowest marking speed	
11.3.4	<i>Segmented Line Equipment – except umbilical Type B</i>			
	Intermittent line device			
	Adjustable time delay Bead Gun (Type / NA)			
11.3.1	<i>Power and Control</i>			
	Torque Control +10% of speed on +12% and -12% grade @		kph	
	Torque Control +10% of speed on +12% and -12% grade @		kph	

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11.4	Technical Requirements Type A Paint Applicator			
11.4.1	Ability to control vehicle and application equipment from both right and left sides			
11.4.1	Apply paint and beads on left and right side of vehicle			
11.4.2	Guide Arms adequate and complete			
11.4.3	Cleaning device on left and right side of vehicle			
	Cleaning device type			
11.5	Technical Requirements All Type B Paint Applicators			
11.5.1	Length of Applicator		mm	
11.5.2	Motive Power			
	Acceleration capability	Apparent	Tested	
11.5.3	Transverse line capability	Apparent	Tested	
11.5.4	Turn Arrow capability	Apparent	Tested	
11.6	Technical Requirements Type B1 Paint Applicator			
11.6.1	Ability to apply both longitudinal and transverse markings			
11.6.2	Ability to control vehicle and application equipment from both right and left sides			
11.6.2	Apply paint and beads on left and right side of vehicle			
11.6.3	Guide Arms adequate and complete			
11.6.4	Cleaning device on left and right side of vehicle			
11.6.4	Cleaning device type			
11.7	Technical Requirements Type B Umbilical Paint Applicator			
11.7.1	<p><i>Note: The Mother Vehicle needs to be checked for compliance against the requirements for all applicators.</i></p> <p><i>Where the Mother Vehicle has been checked as part of an applicator inspection, these details may be used, however equipment specific to umbilical must be clearly identified.</i></p> <p><i>Motive power system</i></p>			
	Manual	Electric	Air	Other
11.7.2	Stability			
11.7.3	<i>Hose control system</i>			
	Description			
	Mother Vehicle One			<i>General Inspection completed</i>
	Mother Vehicle Two			<i>General Inspection completed</i>
	Technical Requirements Transport Trailer / Vehicle			
10.3	LTNZ Registration No:		Expiry Date:	
	Tare Weight			
	Certificate of Fitness / Warrant of Fitness / Fitness for Use	Expiry Date:		
	Dangerous Goods Signs and Labels on vehicle and load <i>(Including facilities for changing in line with product changes)</i>			
	Dangerous Goods Declaration and emergency procedures			
	Correct driver's Licence with D Endorsement / Approved Handler			
	Load Restraint Certification / Plate			
	Load securing devices comply with Transport Regulations and Truck Loading Code			

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