

# Risk Assessment

<b>Activity</b>	Operating Brake Tester
<b>Location</b>	All sites
<b>Persons at Risk</b>	All workshop staff/maintenance staff
<b>Name of Assessor</b>	Stuart Rollo
<b>Date</b>	09/09/25

Ref No.	Description of Hazard	Risk Ranking (before controls)			Control Measures	Risk Ranking (after controls)		
		L	S	R		L	S	R
<b>1</b> Vehicle falling into pit or misalignment	<ul style="list-style-type: none"> <li>Crushing, serious injury, vehicle damage</li> </ul>	4	5	20	<ul style="list-style-type: none"> <li>Clear pit markings</li> <li>Trained operators only</li> <li>Use of guide rails/markers</li> <li>Supervisor present for first-time operators</li> <li>Periodic refresher training</li> <li>No workers permitted in inspection pit when buses being tested or positioned on tester</li> </ul>	1	5	5
<b>2</b> Falls into inspection pit	<ul style="list-style-type: none"> <li>Serious injury, fractures</li> </ul>	4	4	16	<ul style="list-style-type: none"> <li>Pit edges marked with suitable visible paint</li> <li>Adequate inspection pit lighting</li> <li>Non-slip surfaces</li> <li>Guards fitted when brake tester in use</li> <li>When pit doors are open, chains (or similar) must be used as physical deterrent</li> </ul>	1	4	4
<b>3</b> Slips, trips, falls (oil, water, tools)	<ul style="list-style-type: none"> <li>Cuts, bruises, sprains</li> </ul>	4	3	12	<ul style="list-style-type: none"> <li>Good housekeeping policy</li> <li>Spill kits available</li> <li>Floor kept clear of obstructions</li> <li>Regular inspections by Supervisor and H&amp;S Practitioner</li> </ul>	2	2	4
<b>4</b> Noise & vibration	<ul style="list-style-type: none"> <li>Hearing loss, fatigue</li> </ul>	3	3	9	<ul style="list-style-type: none"> <li>Hearing protection issued and available</li> <li>Equipment serviced regularly to minimise noise</li> </ul>	1	3	3
<b>5</b> Manual handling of equipment (e.g. rollers, sensors, shaker plates)	<ul style="list-style-type: none"> <li>Back injury, strains</li> </ul>	3	3	9	<ul style="list-style-type: none"> <li>Mechanical aids where possible e.g. FLT</li> <li>Training in correct manual handling techniques</li> <li>Team lifting for heavy items</li> </ul>	2	2	4
<b>6</b> Electrical hazards (tester powered equipment)	<ul style="list-style-type: none"> <li>Shock, burns, fire</li> </ul>	3	5	15	<ul style="list-style-type: none"> <li>PAT testing and regular maintenance</li> <li>Trained personnel only</li> <li>Emergency stop fitted and tested</li> <li>Lock-off/tag-out procedure during servicing of equipment</li> </ul>	1	5	5

Ref No.	Description of Hazard	Risk Ranking (before controls)			Control Measures	Risk Ranking (after controls)		
		L	S	R		L	S	R
<b>7</b> Vehicle exhaust fumes during testing	<ul style="list-style-type: none"> <li>Respiratory problems, long-term health issues</li> </ul>	4	4	16	<ul style="list-style-type: none"> <li>Local exhaust ventilation (LEV) / extraction system</li> <li>Doors and vents open during use</li> <li>Idling time minimised</li> <li>Buses are Full EV, Hybrid &amp; Euro 5/6</li> <li>Regular Health Surveillance programme</li> </ul>	1	4	4
<b>8</b> Entanglement / contact with moving parts	<ul style="list-style-type: none"> <li>Crushing, lacerations</li> <li>Burns, smoke inhalation</li> <li>Trips, incorrect readings, accidents</li> </ul>	3	4	12	<ul style="list-style-type: none"> <li>Guards fitted to rollers</li> <li>Emergency stop is accessible</li> <li>Safe system of work located in vicinity</li> <li>Periodic refresher training</li> </ul>	1	4	4
<b>9</b> Fire risk (from electrical fault, fuel leaks)		3	5	15	<ul style="list-style-type: none"> <li>Fire extinguishers nearby</li> <li>No smoking policy</li> <li>Regular inspection of tester and vehicles</li> <li>Regular fire drill and staff training</li> </ul>	1	5	5
<b>10</b> Inadequate lighting		4	4	16	<ul style="list-style-type: none"> <li>Task lighting in pit</li> <li>General workshop lighting adequate</li> <li>Routine bulb replacement / maintenance programme</li> </ul>	2	3	6

Key: Risk Ranking = Likelihood x Severity

**Likelihood:**

- 1 = Very unlikely
- 2 = Unlikely
- 3 = Fairly unlikely
- 4 = Likely
- 5 = Certain

**Severity:**

- 1 = No injury or illness
- 2 = Minor injury or illness
- 3 = Up to 7 days absence
- 4 = Over 7 day absence
- 5 = Fatality

**Residual Risk (after controls):**

- 17-25** = Unacceptable Risk
- 10-16** = High Risk
- 5-9** = Medium Risk
- 1-4** = Low Risk

**Score 17-25 Unacceptable Risk**

Stop activity immediately and review controls

**Score 10-16 High Risk**

Implement existing controls and look to improve on them within specified timescale

**Score 5-9 Medium Risk**

Implement existing controls and look to improve

**Score 1-4 Low Risk**

No further action required ensure controls maintained

**Are Any Additional Precautions Required?**

Managers of the location should add any additional precautions required at their location/garage to reflect any specific hazards not covered within this generic document (If Any)

**Sign off and Approval**

**Conducted by:**

**Name:** Stuart Rollo

**Position:** Health, Safety and Procurement Manager

**Date:** 10/09/25

**Signature:** Stuart Rollo

**Approved by:**

**Name:** \_\_\_\_\_

**Position:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Signature:**

**Review period:** \_\_\_\_\_

**Next review date:** \_\_\_\_\_