

<b>Project:</b>	Transport Operations	<b>RA No:</b>	80	<b>Review Date</b>  <b>31/01/2027</b>
<b>Operation / Task:</b>	Tyre Maintenance	<b>Persons at risk:</b>	Employees	
<b>Location / Area:</b>	All Depots/Construction Sites	<b>Public at risk:</b>	No	
<b>Monitoring Responsibility:</b>	Transport Manager, Haulage Manager, Service Manager, Service Foreman, HSQE Team, Supply Chain Manager, HGV Technicians			

**KEY**

**S = Severity Rating**

**L = Likelihood of Occurrence**

**RR = Risk Rating**

5	5	10	15	20	25	<b>R</b> Unacceptable risk, plan out or add further controls. <b>O</b> Acceptable only if no other method viable & with high level controls in place. <b>Y</b> Acceptable with suitable controls. <b>G</b> Acceptable, no further action required.
4	4	8	12	16	20	
3	3	6	9	12	15	
2	2	4	6	8	10	
1	1	2	3	4	5	

Severity

Likelihood

Activity	Hazards/Risks Identified	Risk Rating			Control Measures	Residual Risk			Responsibility
		S	L	RR		S	L	RR	
Use of external contractor to carry out tyre maintenance	Inexperience, quality of work.	3	3	9	<ul style="list-style-type: none"> <li>Use of approved contractor who undergoes annual review. RAMS and training records to be reviewed. Spot checks on work completed by internal technicians.</li> </ul>	3	1	3	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team Supply Chain
Over inflation of tyres	Tyre explosion	4	3	12	<ul style="list-style-type: none"> <li>Competent workforce</li> <li>Check for visual signs of damage to tyre prior to inflation.</li> <li>Ensure all equipment used is in good condition and suitable for the task.</li> <li>DO NOT use equipment for anything other than what it is intended.</li> <li>Tyres to be inflated to manufacturers specification and instruction.</li> <li>Remote inflation unit used.</li> <li>Use tyre pressure gauge and set correctly.</li> <li>The airline hose is to be fully connected via the valve, the operator will then ensure they maintain an adequate distance from the tyre ensuring that they are outside the likely trajectory zone.</li> <li>Once inflated, the operator will wait 30seconds prior to approaching the tyre.</li> <li>The air supply will be removed and stored as per the manufacturers guidelines and the valve cap put back on.</li> <li>Ensure no personnel are in close proximity who are not carrying out the work.</li> <li>Tyre safety zone established.</li> <li>Consider use of tyre contractor for removal of tyre/rim assemblies.</li> </ul>	4	1	4	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team

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**KEY**

**S = Severity Rating**

- Negligible
- Minor Injury
- Major Injury (RIDDOR)
- Fatality
- Multiple Fatality

**L = Likelihood of Occurrence**

- Improbable
- Remote 1 – 10%
- Possible 10 – 50%
- Probable 50 – 90%
- Almost certain 90%+

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		S	L	RR		S	L	RR	
Exposure to hot work	Tyre explosion	4	3	12	<ul style="list-style-type: none"> <li>Take adequate precautions to protect the tyre from overheating.</li> <li>Hot works should never be done on wheels until after the tyre is removed. Refer to HSE information leaflet - Hot Works on Vehicle Wheels.</li> <li>DO NOT expose rims to direct heat.</li> </ul>	4	1	4	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team
Jacking of wheel/uneven ground	Slipping off jack, crushing injuries	3	3	9	<ul style="list-style-type: none"> <li>Ensure firm level ground conditions.</li> <li>Jacks only to be used by trained competent personnel.</li> <li>Correct use of supports and blocks prior to removal of wheel.</li> <li>Equipment to be used in line with manufacturers guidelines and instructions.</li> <li>Jacking, props, supports to be placed on vehicles manufacturer points.</li> <li>Chocks to be used where required.</li> <li>DO NOT exceed the rated capacity (safe working load) of any lifting equipment.</li> <li>Ensure that vehicles are properly supported – do not rely on jacks alone.</li> <li>Ensure lifting equipment is subject to thorough examination.</li> <li>Pre-use checks to be completed by the user.</li> </ul>	3	1	3	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team
Incorrect tyre lubricant	Explosive mixture when heated	2	3	6	<ul style="list-style-type: none"> <li>Select correct lubricant for task. If in doubt stop and ask line manager.</li> <li>Ensure air supply is free of oil and water.</li> <li>All personnel to familiarise themselves of COSHH assessments and associated material safety data sheets.</li> </ul>	2	1	2	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team

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Most effective  
Least effective

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1. Negligible  
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Contact with high pressure air line	Puncture wounds, blood poisoning, eye injuries, los of sight	3	3	9	<ul style="list-style-type: none"> <li>Proprietary connections to be used as recommended by manufacturer.</li> <li>Ensure pressure in system is correct for tooling.</li> <li>Tools being used are in good condition and suitable for work.</li> <li>No horseplay. Never point it at yourself or others. Never use it to clean clothing or hair.</li> <li>Always follow pressure ratings and limitations.</li> <li>Visual inspection of hoses, connections and lines prior to use.</li> <li>Correct PPE to be donned including safety gloves, hearing protection and safety glasses.</li> </ul>	3	1	3	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team
Use of nitrogen to inflate tyres	Explosion, fire, death by asphyxiation	4	3	12	<ul style="list-style-type: none"> <li>Competent workforce</li> <li>Check for visual signs of damage to tyre prior to inflation.</li> <li>Ensure all equipment used is in good condition and suitable for the task.</li> <li>DO NOT use equipment for anything other than what it is intended.</li> <li>Tyres to be inflated to manufacturers specification and instruction.</li> <li>Ensure no personnel are in close proximity who are not carrying out the work.</li> <li>Tyre safety zone established, use protective cage where possible.</li> <li>Consider use of tyre contractor for removal of tyre/rim assemblies.</li> <li>No smoking or hot work to be carried out near wheels.</li> <li>Wear appropriate PPE at all times including safety gloves, hearing protection and safety glasses.</li> <li>All personnel to familiarise themselves of COSHH assessments and associated material safety data sheets.</li> </ul>	4	1	4	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team

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Contact with other vehicles operating in the vicinity.	Personnel injury, death	5	2	10	<ul style="list-style-type: none"> <li>Area to be segregated with physical barriers.</li> <li>No unauthorised personnel in the area.</li> <li>Signage in place.</li> </ul>	5	1	5	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team
Noise from compressor	Noise induced hearing loss	3	3	9	<ul style="list-style-type: none"> <li>Select low noise equipment where possible.</li> <li>Hearing protection to be available and worn where required.</li> <li>Noise monitoring to be carried out.</li> </ul>	3	1	3	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team
Incorrect/overuse of air and hydraulic tools	Hand/arm vibration syndrome	3	2	6	<ul style="list-style-type: none"> <li>Select low vibration equipment and ensure it is maintained.</li> <li>Keep hand warm.</li> <li>Wear vibration reducing gloves where possible when operation handheld vibrating tools and equipment.</li> <li>Select the correct tool for the task.</li> <li>Ensure that tools and equipment are in good order. Visually inspect prior to use.</li> <li>Implement job rotation to minimise exposure.</li> <li>Monitor and record exposure times.</li> <li>Ensure personnel are aware of permitted exposure times of tools and equipment.</li> </ul>	3	1	3	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team
Manual Handling	Musculoskeletal injuries	3	3	9	<ul style="list-style-type: none"> <li>Avoid manual handling operations so far as is as reasonably practicable by designing the task to avoid manually moving the load.</li> <li>Use mechanical aids wherever possible.</li> </ul>	3	1	3	Transport Manager Haulage Manager Service Manager

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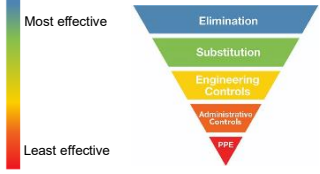
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				12	<ul style="list-style-type: none"> <li>Adopt 2 man lifting techniques where possible</li> <li>Good housekeeping maintained and a clear route of travel.</li> <li>Ensure that the correct lifting technique is adopted.</li> <li>As a guide, do not lift more than 25kg.</li> <li>All employees are trained in manual handling techniques.</li> </ul>			4	Service Foreman HSQE Team
Use of tools and equipment	Personal injuries such as cuts, scrapes, burns. Fatality due to incorrect use. Electrical burns, shocks	4	3	12	<ul style="list-style-type: none"> <li>Tools and equipment in good condition and used only for its intended purpose.</li> <li>All equipment serviced and maintained in line with manufacturers recommendations.</li> <li>All portable appliances subject to PAT every 3 months and deemed fit for purpose.</li> <li>Transformers are to be used where possible.</li> <li>Any defects found to be reported immediately and tool/equipment quarantined for repair or disposed of and replaced.</li> <li>Pre-use checks to be completed by operative.</li> <li>Guards must always be used and fitted correctly. Never remove or interfere with guards.</li> <li>Cables must be in good condition.</li> <li>Batteries must be in good condition.</li> <li>Tools suitable maintained and stored.</li> <li>Maintenance of electrical equipment will only be carried out by trained competent personnel. L Lynch will appoint an external electrician where required.</li> <li>Machines/equipment will be isolated prior to maintenance on them.</li> <li>Sufficient space around machines/ equipment for staff to operate safely.</li> </ul>	4	1	4	Transport Manager Haulage Manager Service Manager Service Foreman HSQE Team

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				20	<ul style="list-style-type: none"> <li>Appropriate PPE donned, hi visibility top, steel toecap laced boots, gloves, glasses.</li> <li>Hearing protection must be worn. 80 db(A) hearing protection is recommended. 85 db(A) hearing protection is mandatory.</li> </ul>			10	

**Risk Assessment Prepared By:** Paul Lynch      **Signature:**       **Date:** 31/01/2026

**Risk Assessment Reviewed By:** Daniela Rizvan      **Signature:**       **Date:** 31/01/2026

