

Forkway Risk Assessment – RA 014

Task/ Activity	This assessment covers Forkway Engineers removing brake shoes which contain asbestos and final disposal			Persons Exposed		
Location	Forkway locations and customer sites throughout the UK and Republic of Ireland.			Forkway Employees	Customer Employees	Members of Public
Name of Assessor(s)	Vic Hargreaves (Regional SHEQ Advisor)	Date of Assessment	12/04/2024 (V2)	1 - 2	None	None
		Date of Next Review	12/04/2025			

Stop and Think

Before undertaking any task/ activity it is essential that you have read and understood all of the control measures in this document and are satisfied that the control measures herein are suitable and sufficient. If you find the control measures are not suitable and sufficient, contact your line manager before proceeding. **For risks relating to the general engineering aspects of removal and replacement of brakes please refer to RA 001 & SSOW 001 and manufacturer's service guidelines.**

The **PPE** (personal protective equipment) required at all times throughout this task are, **Overalls** - Disposable overalls with hood Type 5 (BS EN ISO 13982-1), **Footwear** – Boots no laces (Wellingtons) with disposable boot covers taped to footwear and disposable overalls, **Gloves** - single-use disposable gloves powder free and low protein and rubber gauntlets, **Respiratory RPE** – Use suitable RPE with an assigned protection factor of 20 or more, suitable disposable RPE standards EN 149 (type FFP3) or EN1827 (type FMP3), full face visor and safety glasses. **For additional information refer to HSE EM6 (Available on Request).** Additional Equipment includes UN approved packaging with a Carriage of Dangerous goods (CDG) hazard sign and asbestos code information, Class H Vacuum Cleaner – BS8520-3:2009 (With Filter BSEN1822) and a low-pressure sprayer (Less than 3.4bar/50psi).

Hazard	Initial			Control Measures	Residual		
	Likelihood	Severity	Rating		Likelihood	Severity	Rating
1. Self-contamination with or inhalation of asbestos dusts/ fibres during activity;	3	5	15	Ensure to follow steps in SSOW 014. Persons completing this task must ensure correct PPE and RPE is used and to the correct standards, disposable overalls Type 5 (BS EN ISO 13982-1) are suitable and a size larger should be used to prevent ripping at seams. If cuffs are loose, seal with tape, avoid wearing a log-sleeved shirt - these are difficult to cover properly. Wear the overall legs over footwear and tape together as tucking them in lets in dust into footwear. Wear hood over RPE straps. Dispose of all used overalls etc. as asbestos waste.	1	5	5
2. Self-contamination with or inhalation of asbestos dusts/ fibres after the activity;	3	5	15	Ensure to follow steps in SSOW 014. PPE must be removed in a specific order, leaving your dust mask and safety glasses in place until all asbestos waste and disposable PPE has been double bagged and disposed of in a sealed asbestos waste container. Before removing any PPE, clean any dust off of your overalls with a class H vacuum cleaner then use damp rags by “patting” action as rubbing can disturb fibres. Peel off disposable PPE items so they are inside out, double bag them put same in suitable asbestos waste container and seal closed. With your dust mask still in place, clean any non-disposable PPE items with damp rags. Once finished, place all rags in double bag and dispose of in	1	5	5

MULTIPLY THE LIKLIHOOD AND SEVERITY TO GET THE RISK RATING

Likelihood - (5=Very Likely, 4= Likely, 3= Possible, 2= Unlikely, 1= Highly Unlikely)

Severity - (5=Very Severe, 4= Severe, 3= Moderate, 2= Slight, 1=Negligible)

0- 5 = Low Risk - No Action Required.

6-15 = Medium Risk - Ensure adequate controls are in use.

16-25 = High Risk - Stop operation and implement adequate control measures

Hazard	Initial			Control Measures	Residual		
	L	S	R		L	S	R
				asbestos waste bin. Finally remove dust mask, double bag and dispose of in asbestos waste bin. Use site facilities to thoroughly wash hands and face.			
3. Contamination with or inhalation of asbestos dusts/ fibres by others in area;	3	5	15	Work on equipment with asbestos brakes must be planned in conjunction with the customer. The customer must inform all employees that activity will be undertaken and make sure that they remain well clear of the area. Activity should only be carried out if a suitably isolated area can be located on site. A cordon must be placed around the area with signage warning persons not to enter the vicinity. Removal of hubs will be completed in a sealed bag with dust/ fibres hoovered before bag is removed. All parts will be wet down to prevent airborne dusts/ fibres and dust residues will be cleaned with wet cotton rags.	1	5	5
4. Release of asbestos dust when wetting or cleaning;	3	5	15	Vast majority of dust residues will be hoovered up whilst area is still sealed inside bag. Area will be gently wet down before cleaning of minor residues with wet cotton rags that do not shed fluff. Adhesive tape can also be used to collect small dust deposits. When soiled put used rags or tape into a waste bag and repeat until surfaces are clean.	1	5	5
5. Incorrect disposal of asbestos waste	3	4	12	Waste must be packed in UN-approved packaging with a CDG hazard sign and asbestos code information visible. Waste must be doubled wrapped using a red inner bag with asbestos warnings, and a clear outer bag with CDG sign. Waste must be collected and removed from site via a registered waste carrier, unless customer has on site arrangements for asbestos removal.	2	4	8
6. Crushed by elevated components moving or falling whilst working below them with additional asbestos containment controls obscuring work components;	3	5	15	Avoid working below machine or its components where possible. Machine must be isolated, and movement checked before work begins. Keys must be removed and remain in the possession of the engineer throughout task. Support machine or its components with blocks, axle stands, slings or chains, etc. before working below them. Follow manufacturer's guidance on suitable means of supporting.	1	5	5
7. Being struck by other vehicles including forklift trucks	3	5	15	Due to required asbestos controls the area assigned for task will need to be isolated and controls in place to prevent unauthorised access until activities have been completed.	1	5	5

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