

Risk Assessment

RA026 – Repairing Energy Chains



ABI Equipment Ltd	Creation Date: 17/08/20
Repairing Energy Chains	

Main Hazards are:	
Falling from height	Injury from hoses under pressure
Trapping of fingers and limbs	Slips and trips in wet, windy and wintry conditions
Hot machine surfaces & parts	
Danger of parts ejected from machine	
Persons / Property affected	
Site service technicians	Other people in the locality

Assessment of Risk:	Severity	4	X	Likelihood	3	= Risk	12
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Control Measures already in Place	PPE Required
1. The repair must ONLY be carried out by a person trained for working at height.	Safety helmets <input checked="" type="checkbox"/>
2. Leader Rig to be supported on level ground.	Hi-Vis Jackets <input type="checkbox"/>
3. Leader mast to be placed into the correct position so that the energy chain is exposed.	Safety footwear <input checked="" type="checkbox"/>
4. Leader Rig must be completely isolated, and keys removed to prevent any unexpected movement.	Eye protection <input checked="" type="checkbox"/>
5. Climb onto the machine using only the installed access points.	Dust masks <input type="checkbox"/>
6. Safety harness to be worn at all time.	Ear plugs <input type="checkbox"/>
7. Secure Harness Lanyard to be secured onto suitable point on the machine and remain secured throughout the repair.	Earmuffs <input type="checkbox"/>
8. Appropriate PPE must be worn for the task	Gloves <input checked="" type="checkbox"/>
9. Whilst carrying out the repair, extra care must be taken to avoid damaging hoses or other vulnerable parts of the machine.	Protective overalls <input checked="" type="checkbox"/>
10. In poor weather conditions it may be appropriate for Engineers to work in pairs.	Gauntlets <input type="checkbox"/>
	Harnesses <input checked="" type="checkbox"/>
	Breathing apparatus <input type="checkbox"/>
	Face masks <input type="checkbox"/>

Assessment of Risk:	Severity	4	X	Likelihood	2	= Risk	8
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Additional Controls required	PPE/Equipment
ABI to ensure all site service engineers have adequate training	
All harnesses to be inspected every 6 months or as required	
Area around the rig to be cleared of other personnel	

Assessment of Risk:	Severity	3	X	Likelihood	2	= Risk	6
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Approval and Review		
Prepared by:	Derek Shale	17/08/2020
Updated by	Ash Soliman	27/09/2024
Review by:	Ash Soliman	27/09/2024

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RISK RATING = L x S			Hazard Severity (S)				
			1	2	3	4	5
			Negligible	Slight	Moderate	High	Very High
Likelihood (L)	1	Very Unlikely	LOW	LOW	LOW	LOW	LOW
	2	Unlikely	LOW	LOW	LOW	MEDIUM	MEDIUM
	3	Possible	LOW	LOW	MEDIUM	HIGH	HIGH
	4	Likely	LOW	MEDIUM	HIGH	HIGH	HIGH
	5	Very Likely	LOW	MEDIUM	HIGH	HIGH	HIGH

Likelihood	
1. Very Unlikely	A freak combination of factors would be required for an accident/incident to occur
2. Unlikely	A rare combination of factors would be required for an accident/incident to occur
3. Possible	Could happen when accidental factors are present but otherwise unlikely
4. Likely	Not certain to happen but an additional factor may result in an accident/incident
5. Very Likely	Almost inevitable that an accident/incident would occur
Hazard Severity	
1. Negligible	Negligible injury, no absence from work
2. Slight	Minor injury requiring first aid
3. Moderate	Injury leading to a lost time accident
4. High	Involving a single person with a serious injury / death
5. Very High	Multiple persons with serious injury / death
Outcomes	
LOW	Score (1-6) May be acceptable. Annual Review to see if risks can be reduced further
MEDIUM	Score (8-10) Identify controls must be identified or specific method statement required
HIGH	Score (12-25) Task must not proceed. Senior Management to consider if the risks can be reduced by purchase of additional training, additional equipment, additional staff, additional signage, safe system of work, permit to work or radical changes in method.

Version Number	RA026-0924-1.0
Document location	M:\Health & Safety\Risk Assessments
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Reviewed by	Ash Soliman
Next review Date	September 2027