



## **SAFE WORK INSTRUCTION (SWI)**

### **Clean Centre Pin - DL**

Owner: Dragline Cleaning Services Pty Ltd

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Version 1

Authorised by Justin Goodwin – General Manager

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**IMPORTANT – PRIOR TO COMMENCING THE TASK**, identify any additional **HAZARDS** and **CONTROLS** that may be required to reduce the risk to a level as low as reasonably achievable.

**Consider the skills and experience of the PEOPLE involved, the suitability of the EQUIPMENT to be used, and the workplace ENVIRONMENT. Any additions noted are to be submitted to the Document Owner for updates to this Work Instruction.**

<p><b>Related Procedures, Information and Documents</b></p> <p><i>Documented information specifically related to the task, SOPs, SDS, OEM, permits etc.</i></p>	<ul style="list-style-type: none"> <li>• Site specific HV Isolation SOP</li> <li>• Site Specific Confined space Certification, Authorisation and SOP's</li> <li>• Site specific Manual Handling SOP</li> <li>• SDS Genesis E-Greaser</li> <li>• OEM – Vacuum Truck</li> <li>• Site Specific PTW</li> <li>• Confined Space (Depending on site)</li> </ul>
<p><b>Related Permits</b></p>	<ul style="list-style-type: none"> <li>• Site Permit to work</li> <li>• Confined Space Permit</li> </ul>
<p><b>Tools and Equipment</b></p> <p><i>Specific tools and equipment needed to complete the task (other than standard equipment)</i></p>	<ul style="list-style-type: none"> <li>• Paint Scrappers</li> <li>• Gas detector</li> <li>• Two Way Radios</li> <li>• Waste Bags</li> <li>• Buckets</li> <li>• Brooms</li> <li>• Spray Bottles</li> <li>• Degreaser</li> <li>• Shovels</li> <li>• Vacuum Truck</li> </ul>

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<p><b>Additional PPE</b></p> <p><i>Specific PPE needed for the task (not including site standard minimum)</i></p>	<ul style="list-style-type: none"> <li>• Dust Mask</li> <li>• Respirator (When Required)</li> <li>• Overalls</li> <li>• Safety Glasses</li> <li>• Gloves</li> <li>• Hearing Protection</li> <li>• Hard Hat</li> <li>• Head Lamps/Working Light</li> </ul>
<p><b>Skills or Roles</b></p> <p><i>Specific skills or roles needed for the task</i></p>	<ul style="list-style-type: none"> <li>• Work Area Familiarisation</li> <li>• Completion of work base training</li> <li>• Trained competent and authorised on site for Confined Space</li> </ul>
<p><b>Isolation</b></p> <p><i>Specific isolation points relevant to the task are identified along with how the isolation will be verified or “tested for dead”</i></p>	<p><b>Isolation Point</b></p>
<p><b>Detailed Task Description</b></p> <p><i>Detailed methodology considering all items listed above</i></p>	<ol style="list-style-type: none"> <li>1. Escort DCS Field Team and DCS Supervisor to location</li> <li>2. General Group Isolation of the machine               <ol style="list-style-type: none"> <li>a. Lock on to group isolations/ equipment isolations as specified on RA and at Pre-start.</li> <li>b. HV Isolation Required</li> </ol> </li> <li>3. Set up               <ol style="list-style-type: none"> <li>a. Participate in site prestart, sign onto Risk assessment, under-take a SLAM/Take 5, review scope with site representatives and DCS field Team. allocate Scope to teams of employees based on experience, capabilities, and authorisations.</li> </ol> </li> </ol>

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	4. Remove excess lube and dirt build up from the grease tray and any over flows tidied up.
	5. Lower Deck Slip Ring Area - Ensure excess lube and dirt build up removed from the grease tray and any over flows tidied up.
	6. Centre Pintle Tub Access - Clean away excess grease, Ensure excess lube build up removed with old tar paper and new tar paper laid down to catch the grease.
	7. Upper Nut ( Under Drag Chute) - Clean away excess grease and lube build up
	8. Pack up work area, double check work area if free of any debris and tools
	9. Report any defects to the supervisor

Job Steps	Known Hazards	Identified Controls	Responsible Person
1. Escort DCS Field Team and DCS Supervisor to location.  - Ensure site access (people and fleet) and radio communication protocols are adhered to. Site access checks and Vehicle Compliance are undertaken prior to site entry to ensure authorisations.	• Uncontrolled movement	○ Chock vehicle fundamentally stable	DCS Field Team and DCS Supervisor
	• Vehicle interactions	○ Escort/planned route/ communication procedures	
	• Mechanical breakdowns	○ Pre-start/up to standard maintenance	
	• Road conditions	○ Drive to conditions/monitor road conditions	
	• Other Workers in Area	○ Positive communication/two-way radio/Verbal	
2. General Group Isolation of the machine  a. Lock on to group isolations/ equipment isolations as specified on RA and at Pre-start.  b. HV Isolation Required	• Electrical, Mechanical, Stored pressure	○ Identify energy source, confirm swing motion are under group isolation ○ Positive lock on to HV group Isolation	DCS Field Team and DCS Supervisor
	• Uncontrolled release of energy sources	○ Positive isolation and secure ○ Place Tags, Locks or Permits	
	• Uncontrolled movement	○ Positive isolation and secure ○ Verify Isolation (Test for Dead)	

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Job Steps	Known Hazards	Identified Controls	Responsible Person
<p>3. Set-up at location</p> <p style="padding-left: 20px;">a. Participate in site prestart, sign onto Risk assessment, under-take a SLAM/Take 5, review scope with site representatives and DCS field Team. allocate Scope to teams of employees based on experience, capabilities, and authorisations.</p>	<ul style="list-style-type: none"> <li>● Electrocution / Release of energy sources</li> </ul>	<ul style="list-style-type: none"> <li>○ Positive isolation, lock tag test for dead</li> <li>○ Identify Energy Source</li> <li>○ Verify Isolation (Test for dead)</li> <li>○ Conduct Risk Assessment</li> </ul>	DCS Field Team and DCS Supervisor
	<ul style="list-style-type: none"> <li>● Slips (Oil Spills, Grease Spills, Water)/trips (Poor house keeping, Hoses, tools and equipment)/falls (access and egress)</li> </ul>	<ul style="list-style-type: none"> <li>○ Situational Awareness, appropriate footwear, 3 points of contact</li> <li>○ Conduct Risk Assessment</li> </ul>	
	<ul style="list-style-type: none"> <li>● Pinch points (Doors, Hinges, Latches, Hoses and ropes)</li> </ul>	<ul style="list-style-type: none"> <li>○ Situational Awareness, correct PPE, Stay out of the line of fire</li> <li>○ Conduct Risk Assessment</li> </ul>	
	<ul style="list-style-type: none"> <li>● Falling objects (Tooling, Hose and ropes)</li> </ul>	<ul style="list-style-type: none"> <li>○ Spotter, drop zone, barricade, exclusion zones</li> <li>○ Conduct Risk Assessment</li> </ul>	
	<ul style="list-style-type: none"> <li>● Noise Pollution</li> </ul>	<ul style="list-style-type: none"> <li>○ Conduct Risk Assessment</li> <li>○ Earplugs when needed, on person at all times</li> </ul>	
	<ul style="list-style-type: none"> <li>● Dust Pollution</li> </ul>	<ul style="list-style-type: none"> <li>○ Conduct Risk Assessment</li> <li>○ Dust masks when needed, on person at all times, respirator, adequate ventilation</li> </ul>	
	<ul style="list-style-type: none"> <li>● Overexertions / Incorrect lifting techniques</li> <li>● Back injuries, sprains &amp; strains</li> </ul>	<ul style="list-style-type: none"> <li>○ Team lift, fatigue management plans, correct lifting techniques, rotate tasks, mechanical lift if needed</li> <li>○ Conduct Risk Assessment</li> </ul>	
	<ul style="list-style-type: none"> <li>● Dehydrations/Heat Stress</li> </ul>	<ul style="list-style-type: none"> <li>○ Drinking water on hand, work to conditions, regular breaks</li> </ul>	
	<ul style="list-style-type: none"> <li>● Other Workers in Area</li> </ul>	<ul style="list-style-type: none"> <li>○ Positive communication/two-way radio/Verbal, Barricades, signage/Tags, spotter when needed</li> </ul>	

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Job Steps	Known Hazards	Identified Controls	Responsible Person
<p>4. Remove excess lube and dirt build up from the grease tray and any over flows tidied up.</p> <p>5. Lower Deck Slip Ring Area - Ensure excess lube and dirt build up removed from the grease tray and any over flows tidied up.</p> <p>6. Centre Pintle Tub Access - Clean away excess grease, Ensure excess lube build up removed with old tar paper and new tar paper laid down to catch the grease.</p> <p>7. Upper Nut ( Under Drag Chute) - Clean away excess grease and lube build up</p> <p style="margin-left: 40px;"><i>a. Note Each area is required to be designated on the scope of works provided by site, the list below is not specific order as each site requirement is as needs requested. Refer to each sub section with the know hazard identified the same for each.</i></p>	<ul style="list-style-type: none"> <li>● Electrocution / Release of energy sources</li> </ul>	<ul style="list-style-type: none"> <li>○ Positive isolation, lock tag test for dead</li> <li>○ Identify Energy Source</li> <li>○ Verify Isolation (Test for dead)</li> <li>○ Conduct Risk Assessment</li> </ul>	DCS Field Team and DCS Supervisor
	<ul style="list-style-type: none"> <li>● Slips (Oil Spills, Grease Spills, Water)/trips (Poor house keeping, Hoses, tools and equipment)/falls (access and egress)</li> </ul>	<ul style="list-style-type: none"> <li>○ Situational Awareness, appropriate footwear, 3 points of contact</li> <li>○ Conduct Risk Assessment</li> </ul>	
	<ul style="list-style-type: none"> <li>● Pinch points (Doors, Hinges, Latches, Hoses and ropes)</li> </ul>	<ul style="list-style-type: none"> <li>○ Situational Awareness, correct PPE, Stay out of the line of fire</li> <li>○ Conduct Risk Assessment</li> </ul>	
	<ul style="list-style-type: none"> <li>● Falling objects (Tooling, Hose and ropes)</li> </ul>	<ul style="list-style-type: none"> <li>○ Spotter, drop zone, barricade, exclusion zones</li> <li>○ Conduct Risk Assessment</li> </ul>	
	<ul style="list-style-type: none"> <li>● Noise Pollution</li> </ul>	<ul style="list-style-type: none"> <li>○ Conduct Risk Assessment</li> <li>○ Earplugs when needed, on person at all times</li> </ul>	
	<ul style="list-style-type: none"> <li>● Dust Pollution</li> </ul>	<ul style="list-style-type: none"> <li>○ Conduct Risk Assessment</li> <li>○ Dust masks on person at all times, respirator, adequate ventilation</li> </ul>	
	<ul style="list-style-type: none"> <li>● Overexertions / Incorrect lifting techniques                             <ul style="list-style-type: none"> <li>- Back injuries, sprains &amp; strains</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>○ Team lift, fatigue management plans, correct lifting techniques, rotate tasks, mechanical lift if needed</li> <li>○ Conduct Risk Assessment</li> </ul>	
	<ul style="list-style-type: none"> <li>● Dehydrations/Heat Stress</li> </ul>	<ul style="list-style-type: none"> <li>○ Drinking water on hand, work to conditions, regular breaks</li> </ul>	
	<ul style="list-style-type: none"> <li>● Other Workers in Area</li> </ul>	<ul style="list-style-type: none"> <li>○ Positive communication/two-way radio/Verbal, Barricades, signage/Tags, spotter when needed</li> </ul>	

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Job Steps	Known Hazards	Identified Controls	Responsible Person
	<ul style="list-style-type: none"> <li>• High Pressure Suction (Negative Pressure)</li> <li>• Copper in dust around centre pin</li> <li>• Potentially Hazardous Atmosphere</li> </ul>	<ul style="list-style-type: none"> <li>○ Trained and competent</li> <li>○ P3 Mask worn at all times</li> <li>○ Gas Monitor, confined space permit, spotter</li> </ul>	
<p>8. Pack up work area, double check work area if free of any debris and tools</p> <p style="margin-left: 20px;">- Remove Rubbish, tools, and equipment from job site. Ensure guarding or barriers are placed back in original position. Permits and job sheets to be signed off by appointed Supervisors. Remove Isolation Lock. Advise Supervisor of any comments or unfinished work. Pack-up vehicles ready to leave job site.</p>	<ul style="list-style-type: none"> <li>• Electrocutation / Release of energy sources</li> <li>• Slips (Oil Spills, Grease Spills, Water)/trips (Poor house keeping, Hoses, tools and equipment)/falls (access and egress)</li> <li>• Pinch points (Doors, Hinges, Latches, Hoses and ropes)</li> <li>• Falling objects (Tooling, Hose and ropes)</li> <li>• Noise Pollution</li> <li>• Dust Pollution</li> </ul>	<ul style="list-style-type: none"> <li>○ Positive isolation, lock tag test for dead</li> <li>○ Identify Energy Source</li> <li>○ Verify Isolation (Test for dead)</li> <li>○ Conduct Risk Assessment</li> <li>○</li> <li>○ Situational Awareness, appropriate footwear, 3 points of contact</li> <li>○ Conduct Risk Assessment</li> <li>○ Situational Awareness, correct PPE, Stay out of the line of fire</li> <li>○ Conduct Risk Assessment</li> <li>○ Spotter, drop zone, barricade, exclusion zones</li> <li>○ Conduct Risk Assessment</li> <li>○ Conduct Risk Assessment</li> <li>○ Earplugs when needed, on person at all times</li> <li>○ Conduct Risk Assessment</li> <li>○ Dust masks when needed, on person at all times, respirator, adequate ventilation</li> </ul>	DCS Field Team and DCS Supervisor



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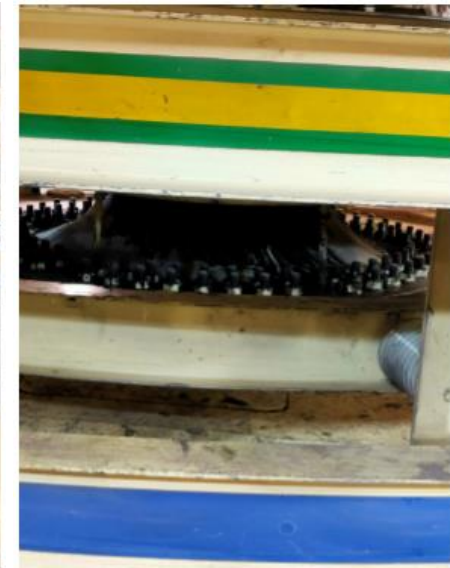
Job Steps	Known Hazards	Identified Controls	Responsible Person
	<ul style="list-style-type: none"> <li>• Overexertions / Incorrect lifting techniques</li> <li>8. Back injuries, sprains &amp; strains</li> </ul>	<ul style="list-style-type: none"> <li>○ Team lift, fatigue management plans, correct lifting techniques, rotate tasks, mechanical lift if needed</li> <li>○ Conduct Risk Assessment</li> </ul>	
	9. Dehydrations/Heat Stress	<ul style="list-style-type: none"> <li>○ Drinking water on hand, work to conditions, regular breaks</li> </ul>	
9. Report any defects to the supervisor	10. NIL	<ul style="list-style-type: none"> <li>○ NIL</li> </ul>	DCS Field Team and DCS Supervisor

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5. Lower Deck Slip Ring Area - Ensure excess lube and dirt build up removed from the grease tray and any over flows tidied up.



7. Upper Nut ( Under Drag Chute) - Clean away excess grease and lube build up



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### Stop Points *(Identified points in the task where the work is to stop for the completion of activities, checks of control effectiveness, inspections or tests)*

<b>Work Task Stop Points</b> <i>(if any)</i> <i>Any need to stop during the task, where identified by the supervisor OR work Group</i>	Identified Stop Points	What is to Occur
	New workers to the area	Stop and Review Hazards
	Weather Changes	Stop and Review Hazards, Report to supervisor of change, before returning to work.
	Isolation Change	Stop and Review Hazards, Report to supervisor of change, before returning to work.
	User to Note any Additional Stop Points	What is to Occur

***We have reviewed the task/work area and have identified any additional HAZARDS and implemented CONTROLS to reduce the risk to a level as low as reasonably achievable.***

***We have considered the skills and experience of the PEOPLE involved, the suitability of the EQUIPMENT to be used, and the workplace ENVIRONMENT and have determined that risk is at an acceptable level.***

### Review Acknowledgement *(Work Group and Supervisor)*

	Name	Signature	Name	Signature
Work Group				
Supervisor	Name		Signature	