

# Item Hazard Report

## Asset Information

|               |                 |                 |                                   |
|---------------|-----------------|-----------------|-----------------------------------|
| Type          | Planetary Mixer | Location        | Hilco Global, Victoria, Australia |
| Make          | Varimixer       | Model           | AR60/VL1                          |
| Serial Number | 60007277        | Sale – Asset ID | 2581-2                            |

## PLANT/EQUIPMENT SAFETY ADVICE TO PURCHASERS

The Occupational Health & Safety Regulations 2017 (Regulation 90) requires suppliers of plant and equipment to provide written advice to a purchaser as to condition of the item and any known safety hazards or concerns. The information provided in this report is based on a visual inspection only. No physical testing has been conducted (eg. Wire rope testing, stress testing, structural/non-destructive testing, noise testing, vibration testing, brake testing, insulation testing, etc.)

The item described within this report is being sold in an 'as-is' condition with all identified safety hazards or concerns outlined within this report.

Purchasers should conduct their own risk and hazard assessments to identify and control hazards prior to installing and/or using the equipment.

## Potential Hazards

### Category 1: Major Potential Hazards

|                                        |                                                                                                                                                                                                                                                               |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Specific warnings or conditions</b> | <ul style="list-style-type: none"> <li>Refer to any technical or operating manuals, safe use instructions that are made available</li> </ul>                                                                                                                  |
| <b>Entanglement</b>                    | <ul style="list-style-type: none"> <li>Lack of guarding</li> <li>PPE, Hair or other body parts caught in moving parts</li> <li>Rotating parts</li> </ul>                                                                                                      |
| <b>Crushing</b>                        | <ul style="list-style-type: none"> <li>Falling, uncontrolled or unexpected movement of item or load</li> <li>Item tipping or rolling over</li> <li>Being trapped under or between the item, and/or fixed structure</li> <li>Struck by moving parts</li> </ul> |



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| Category 1: Major Potential Hazards  |                                                                                                                                                                                 |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Striking</b>                      | <ul style="list-style-type: none"> <li>▪ Item disintegrating</li> <li>▪ Work pieces thrown out</li> <li>▪ Moving parts</li> </ul>                                               |
| <b>Explosion or loss of contents</b> | <ul style="list-style-type: none"> <li>▪ Gas, dust or vapour emissions</li> <li>▪ Storage of haz chemicals/ DG's near item</li> <li>▪ Collapse or fragmentation</li> </ul>      |
| <b>Fire</b>                          | <ul style="list-style-type: none"> <li>▪ Friction</li> <li>▪ Ingress of materials/fluids</li> <li>▪ Build-up of materials/ lubricants</li> <li>▪ Fluids / lubricants</li> </ul> |
| <b>Hazardous fumes or vapours?</b>   | <ul style="list-style-type: none"> <li>▪ Hazardous chemicals/DG's from coolants</li> </ul>                                                                                      |
| <b>Dust</b>                          | <ul style="list-style-type: none"> <li>▪ Explosive atmosphere</li> <li>▪ Breathing hazard</li> <li>▪ Reduced visibility</li> </ul>                                              |
| <b>Loss of load</b>                  | <ul style="list-style-type: none"> <li>▪ Materials falling or rolling from plant</li> </ul>                                                                                     |
| <b>Chemical</b>                      | <ul style="list-style-type: none"> <li>▪ Leaking from item</li> <li>▪ Splashing</li> <li>▪ Explosion</li> </ul>                                                                 |



# Item Hazard Report

| Category 2: Moderate Potential Hazards  |                                                                                                                                                                                                                                                         |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pressure</b>                         | <ul style="list-style-type: none"> <li>▪ Hydraulic leak</li> <li>▪ Hydraulic system rupture</li> <li>▪ Fluid penetration of skin</li> <li>▪ Pressure control altered</li> <li>▪ Pressure limiter failure</li> <li>▪ Damaged hydraulic system</li> </ul> |
| <b>Electrical</b>                       | <ul style="list-style-type: none"> <li>▪ Lack of insulation</li> <li>▪ Contact with electrical conductors</li> <li>▪ Poor earthing</li> <li>▪ Water near equipment</li> <li>▪ Lack of isolation</li> </ul>                                              |
| <b>Cut, stab, or puncture</b>           | <ul style="list-style-type: none"> <li>▪ Lack of Guarding</li> <li>▪ Flying objects</li> <li>▪ Moving parts</li> <li>▪ Pinch points</li> <li>▪ Sharp edges</li> </ul>                                                                                   |
| <b>Shearing:</b>                        | <ul style="list-style-type: none"> <li>▪ Between</li> <li>▪ Two moving parts of the plant</li> <li>▪ A part of the plant and a work piece / fixed structure</li> <li>▪ A part of the plant and another object (e.g. plant or vehicle)</li> </ul>        |
| <b>Abrasion, tearing or stretching:</b> | <ul style="list-style-type: none"> <li>▪ Between</li> <li>▪ A moving part</li> <li>▪ A moving surface of the plant</li> <li>▪ Material handled by the plant</li> <li>▪ Continuous contact with moving parts</li> </ul>                                  |
| <b>Slip, trip, or fall?</b>             | <ul style="list-style-type: none"> <li>▪ Liquid spills or solid waste materials on floor / ground</li> </ul>                                                                                                                                            |
| <b>Isolation of energy sources?</b>     | <ul style="list-style-type: none"> <li>▪ Hydraulic pressure</li> <li>▪ Compressed gases</li> <li>▪ Electrical feeds/capacitors</li> <li>▪ Motive power systems</li> <li>▪ Suspended loads</li> </ul>                                                    |
| <b>Loss of power?</b>                   | <ul style="list-style-type: none"> <li>▪ Loss of electrical supply</li> <li>▪ Ability to lower suspended loads</li> </ul>                                                                                                                               |
| <b>Extreme temperature changes?</b>     | <ul style="list-style-type: none"> <li>▪ Fire</li> <li>▪ Burns through conduction</li> <li>▪ Convection</li> <li>▪ Cryogenic burns</li> <li>▪ Fluids overheating due to lack of maintenance</li> </ul>                                                  |
| <b>Radiation?</b>                       | <ul style="list-style-type: none"> <li>▪ X-rays</li> <li>▪ EMR</li> <li>▪ Laser</li> </ul>                                                                                                                                                              |



# Item Hazard Report

| Category 3: Minor Potential Hazards       |                                                                                                                                                                                                                                                        |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Weather</b>                            | <ul style="list-style-type: none"> <li>Wet conditions</li> <li>Electrical storms</li> </ul>                                                                                                                                                            |
| <b>Vibration</b>                          | <ul style="list-style-type: none"> <li>Plant becomes unstable</li> <li>Causes physical problems for the operator whilst operating</li> <li>Operation could cause unacceptable vibration levels in nearby structures</li> </ul>                         |
| <b>Noise</b>                              | <ul style="list-style-type: none"> <li>Emit &gt;85 dBA at the operator</li> <li>Effects operator communication</li> </ul>                                                                                                                              |
| <b>Light</b>                              | <ul style="list-style-type: none"> <li>At the controls</li> <li>At the task</li> <li>Darkens surrounding areas</li> </ul>                                                                                                                              |
| <b>Environment</b>                        | <ul style="list-style-type: none"> <li>Co-located equipment</li> <li>Isolation requirements</li> </ul>                                                                                                                                                 |
| <b>Operator training / qualifications</b> | <ul style="list-style-type: none"> <li>Training requirements</li> <li>Qualification requirements</li> <li>Competency assessments</li> <li>Documentation</li> <li>Operator's manual</li> <li>Equipment experience</li> <li>Product knowledge</li> </ul> |
| <b>Manual handling</b>                    | <ul style="list-style-type: none"> <li>Repetitive or sustained movements</li> <li>Awkward positions</li> <li>Strained movements</li> <li>Poorly designed seating</li> <li>Access for maintenance</li> </ul>                                            |
| <b>Ergonomic - operating controls</b>     | <ul style="list-style-type: none"> <li>Difficult to understand</li> <li>Function not identified</li> <li>Inappropriate controls &amp; switches</li> <li>Labelling of controls and indicators</li> </ul>                                                |

**IMPORTANT NOTICE:** It is recommended that this item be further tested, inspected or dismantled by the purchaser as necessary to assess any further hazards which are currently unknown. Under the Occupational Health & Safety Regulation 2017 it is a requirement for the plant owner, employer and operator to exercise a duty of care in the supply and safe operation of plant. Accordingly, before this item is used at any workplace it must be in a fully operational, safe and serviceable condition.

