

Hazard Register



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|----------------------|--------|--------------------|---------|
| Type | BOILER | Location | |
| Make | - | Sale Number | 3025536 |
| Model | - | Lot Number | 17 |
| Serial Number | | | |

| ID | Hazard Type | Hazard Description |
|-----------|---------------------|---|
| 137188.1 | Plant Controls | ENSURE ALL OPERATIONAL CONTROLS ARE CLEARLY IDENTIFIED AND LABELLED. |
| 137188.2 | Plant Structure | ENSURE REGISTRATION OF PRESSURE VESSELS IS AS PER LOCAL AUTHORITY/LEGISLATIVE REQUIREMENTS. |
| 137188.3 | Plant Structure | ENSURE THAT THE PLANT IS OPERATED IN ACCORDANCE WITHAS3873: BOILER AND PRESSURE VESSELS - OPERATION AND MAINTENANCE. |
| 137188.4 | Burns | Injury may result from direct skin contact with hot surfaces during general operation, maintenance and inspection of plant. |
| 137188.5 | Ventilation | Operator inhalation of harmful fumes and gases as a result of poor ventilation at the operators work station/environment. |
| 137188.6 | Labelling Pipework | Ensure air, oil and lubricant lines are appropriately identified and labeled as per AS1345: Identification of the contents of pipes, conduits and ducts. |
| 137188.7 | Chemicals | Incorrect storage of dangerous goods and/or hazardous substances (insufficient bunding, separation, segregation). Ensure risk assessments are completed for chemicals stored. |
| 137188.8 | High Pressure Fluid | Person may come into contact with fluids under high pressure, due to plant failure or misuse of the plant |
| 137188.9 | Electrical | PLANT NEEDS TO BE REGULARLY INSPECTED AND MAINTAINED AS PER AS/NZS3760: IN-SERVICE SAFETY INSPECTION AND TESTING OF ELECTRICAL EQUIPMENT, AND AS/NZS3000: WIRING RULES AND OR AS1543: ELECTRICAL EQUIPMENT OF INDUSTRIAL MACHINES |
| 137188.10 | Plant Maintenance | ENSURE THE PLANT IS ISOLATED/DE-ENERGISED AND ALLOWED TO COOL DOWN BEFORE CLEANING / MAINTAINENCE IS CARRIED OUT. |
| 137188.11 | Pressure | UNCONTROLLED OR UNWANTED RELEASED OF PRESSURE FROM PRESSURE VESSEL. |
| 137188.12 | Noise | SOUND PRESSURE LEVELS (SPL) NEEDS TESTING AT OPERATOR STATION. IF SPL GREATER THAN 85 dB(A), CLEAR & VISIBLE WARNINGS MUST BE ATTACHED RE: USE OF HEARING PROTECTION. |
| 137188.13 | Skills | ENSURE ONLY COMPETENT/SKILLED PERSONNEL HAVE ACCESS AND USE THE PLANT |
| 137188.14 | Plant Operation | PROVIDE SERVICE/MAINTENANCE/MODIFICATIONS RECORDS AS PER AS3788: BOILER AND PRESSURE VESSELS - IN-SERVICE INSPECTIONS, FOR THE PLANT WHERE AVAILABLE. |
| 137188.15 | Signage | ATTACH CLEAR & VISIBLE HAZARD WARNINGS RE: NO-SMOKING, HOT SURFACES, STEAM, PRESSURISED VESSELS/PIPELINES AND HOT FLUID. |
| 137188.16 | Plant Operation | NO SERVICE/MAINTENANCE RECORDS AVAILABLE. REQUIRES REGULAR DOCUMENTED CONDITION INSPECTIONS (INCL SAFETY RELATED CONTROLS). THESE INSPECTIONS MUST BE CONDUCTED BY A QUALIFIED PERSON. THIS PLANT HAS AN IMPROVEMENT NOTICE ON IT AND REQUIRES THE PLANT TO BE INSPECTED BY A QUALIFIED PERSON BEFORE USING IN THE WORKPLACE. |
| 137188.17 | Asbestos | HEAT SEALS ON THE PLANT MAY CONTAIN ASBESTOS CONTAINING MATERIALS. ASBESTOS NOT LIKELY ON |

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THIS PLANT DUE TO AGE OF PLANT.

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| 137188.18 | Dangerous goods & Combustible Liquids | Ensure dangerous goods and combustible liquids risk assessments are carried for all storage locations. Ensure site is periodically review to ensure site placarding is correct and chemical register updated. |
| 137188.19 | High Pressure Fluid | Person may come into contact with fluids under high pressure, due to plant failure or misuse of the plant |
| 137188.20 | High Temperature or Fire | Contact with objects at high temperatures. ensure that appropriate fire fighting equipment is available adjacent to plant. ensure operators are trained in the use of and equipment is maintained. |
| 137188.21 | Plant Operation | SAFE OPERATING INSTRUCTIONS ARE AVAILABLE. PROVIDE TRAINING AND REATTACH RENEWED INSTRUCTIONS IN A CLEAR AND VISIBLE POSITION FOR THE OPERATOR. |

Health and Safety Plant Safety Purchaser Information

This plant health and safety information has been prepared by Grays for the purchaser of the plant item as required by National WHS Legislation. Whilst every effort has been made to identify all of the hazards, it should be recognised that all reasonably practicable hazards have been identified given due consideration to:

- state of knowledge about the plant item
- the availability and suitability of ways to eliminate or control the hazards
- the cost of evaluating, eliminating or controlling the hazard

Consequently, if this plant item is being purchased for use at a place of work, the purchaser is reminded of their obligations to involve and consult with employees in identifying foreseeable hazards, assess their risks and to take action to eliminate or control the risks.

In order to assess the risk, it is necessary to consider for all the identified hazards, the chance (likelihood) of something happening that would impact (consequence) on health and safety at the workplace. The following guidelines are provided to assist the purchaser in consistently carrying out an assessment of risk:

| Likelihood | Consequences |
|--|---|
| <ul style="list-style-type: none">• Frequency and duration of exposure• Probability of occurrence of hazard or event (including part history of incidents)• Possibility to avoid / minimize or limit the damage, impact or harm• Reliability and effectiveness of existing / established systems of control | <ul style="list-style-type: none">• Assume “worst case” injury, but also competent follow-up medical and rehabilitation support• Consider forces or energy levels, highest belt tensions, size of gears, pulleys or other entrapment points and therefore body parts likely to be injured• Consider sharpness of entrapment points, surrounding parts likely to exacerbate injury, and any give in the entrapment point• Consider, will entrapment continue until plant is stopped, or can an injured part travel through the entrapment area• Are temperatures of plant, or chemicals, likely to further injure entrapped person |

The outcome of the risk assessment will be a prioritised list of risk control strategies and actions consistent with the following ratings:

Low risk- may be considered acceptable, where the existing controls in place are seen to be effective, requiring periodic monitoring for effectiveness.

Medium risk- considered to be unacceptable and requiring additional risk controls within medium to long term.

High risk – considered to be unacceptable and requiring action within the short to medium term.

Extreme risk – unacceptable, where immediate action required.

In all of these cases employees/operators must be made aware of the risk controls in place to protect them from the hazards.