

Hazard Register



Type	RECIPROCATING COMPRESSOR	Location	Grays Online
Make	-	Sale Number	1967
Model	-	Lot Number	-
Serial Number	-	Vendor	---

ID	Hazard Type	Hazard Description
143443.1	Entanglement	AN EMPLOYER MUST ENSURE THAT APPROPRIATE CONTROL MEASURES ARE TAKEN IF A PERSON IS EXPOSED TO NOISE LEVELS THAT EXCEED AN 8-HOUR NOISE LEVEL EQUIVALENT OF 85 DB(A), OR PEAK AT MORE THAN 140 DB(C). IF NOISE IS ABOVE PRESCRIBED LIMITS NOISE MEASUREMENT IS TO BE MADE IN ACCORDANCE WITH AS/NZS 1269.1:1998 OCCUPATIONAL NOISE MANAGEMENT PART 1: MEASUREMENT AND ASSESSMENT OF NOISE IMISSION AND EXPOSURE, AND EXPOSURE TO NOISE IS TAKEN TO BE MEASURED AT THE POSITION OF THE EARS OF A PERSON, OR AT AN EQUIVALENT OF THAT POSITION, AND THE MEASUREMENT IS TO BE MADE ON THE ASSUMPTION THAT THE PERSON IS NOT WEARING ANY DEVICE TO PROTECT HIMSELF OR HERSELF FROM NOISE.
143443.2	Registration	ENSURE THAT RECEIVER TANKS AND ACCUMULATORS ARE INSPECTED ANNUALLY AND THE INSPECTION NOTICE AFFIXED AS REQUIRED - ENSURE ALL REGISTRATION LABLES, COMPLIANCE PLATES AND REGISTRATION DOCUMENTS ARE AFFIXED TO PLANT AND LEGIBLE PRIOR TO OPERATION OF PLANT. TANKS SHOULD BE INSPECTED IN ACCORDANCE WITH AS/NZS 3788 - PRESSURE EQUIPMENT IN SERVICE INSPECTION PRIOR TO USE
143443.3	Plant Operation	AN EMPLOYER MUST ENSURE THAT: PLANT IS ERECTED AND DISMANTLED SAFELY AND THAT IT IS ONLY USED FOR THE PURPOSE FOR WHICH IT WAS DESIGNED BY A COMPETENT PERSON, UNLESS SPECIFIC RISK CONTROL MEASURES ARE IMPLEMENTED.
143443.4	Maintenance	AN EMPLOYER MUST ENSURE THAT IF THE PLANT HAS BEEN DAMAGED, AND THE DAMAGE COULD LEAD TO AN INCREASED HEALTH AND SAFETY RISK, THE EMPLOYER MUST ENSURE THAT A COMPETENT PERSON ASSESSES THE DAMAGE AND DETERMINES WHAT REPAIRS MUST BE MADE TO MINIMISE THE RISK AND CARRIES OUT THE REPAIR AND ANY TESTING TO ENSURE THAT IT REMAINS WITHIN THE DESIGN LIMIT.
143443.5	Maintenance	AN EMPLOYER MUST PERFORM MAINTENANCE, INSPECTION AND CLEANING ON PLANT IN ACCORDANCE WITH THE MANUFACTURER'S AND DESIGNER'S REQUIREMENTS AND MUST PUT IN PLACE THE NECESSARY FACILITIES AND SYSTEMS OF WORK TO ENSURE THE SAFETY OF PERSONS WHO PERFORM THE MAINTENANCE, INSPECTION AND CLEANING . IF ACCESS TO THE PLANT IS REQUIRED TO PERFORM THESE TASKS, THE PLANT MUST BE STOPPED AND ONE OR MORE OF THE FOLLOWING MEASURES MUST BE USED TO CONTROL THE RISKS , LOCKOUT OR ISOLATION DEVICES, DANGER TAGS , PERMIT TO WORK SYSTEMS OR OTHER CONTROL MEASURES.
143443.6	Entanglement	IMPROVE GUARDING OVER BELT DRIVE ASSEMBLY - ASSESS PLANT FOR ENTANGLEMENT AND ENTRAPMENT HAZARDS ENSURE PLANT IS GUARDED AS REQUIRED BY AS4024.1 SAFEGUARDING OF MACHINERY - GENERAL PRINCIPLES.
143443.7	Environment	BLEEDING OF CONDENSATE LIQUID TO LAND. ELIMINATE CONDENSATE LIQUID RUNOFF ONTO LAND AND OR STORMWATER SYSTEMS.
143443.8	Signage	ATTACH OPERATING INSTRUCTIONS IN A CLEAR AND VISIBLE POSITION TO OPERATOR, INCL. THAT THE USE OF COMPRESSED AIR CAN CAUSE EYE INJURIES, HEARING LOSS, FLYING DEBRIS TO PENERATE INTO THE SKIN/BODY.
143443.9	Guarding	FIT COMPLIANT LATCHING EMERGENCY STOP (E-STOP) TO PLANT AS REQUIRED BY AS4024.1 SAFE GUARDING OF MACHINERY - GENERAL PRINCIPLES. PLANT TO BE USED WITH AN ELECTRICAL CIRCUIT BREAKER (SAFETY SWITCH) AND OVERLOAD PROTECTION.

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143443.10	Employer Obligations	ANYONE IN CONTROL OF PLANT THAT IS USED BY PEOPLE AT WORK MUST ENSURE THAT THE PLANT IS SAFE WHEN IT IS USED PROPERLY.
143443.11	Emergency Stop	FIT COMPLIANT LATCHING EMERGENCY STOP (E-STOP) TO PLANT AS REQUIRED BY AS4024.1 SAFE GUARDING OF MACHINERY - GENERAL PRINCIPLES. PLANT TO BE USED WITH AN ELECTRICAL CIRCUIT BREAKER (SAFETY SWITCH) AND OVERLOAD PROTECTION.
143443.12	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.
143443.13	Electrical	ENERGY SOURCES ASSOCIATED WITH THE PLANT (ELECTRICAL ETC.) TO BE ISOLATED WHEN THE PLANT IS BEING DISMANTLED, CLEANED/MAINTAINED.
143443.14	Emergency Provisions	AN EMPLOYER MUST ENSURE THAT EMERGENCY PROCEDURES FOR THE PLANT ARE VISIBLY DISPLAYED FOR THE OPERATOR
143443.15	Maintenance	UNATTENDED PLANT SHOULD HAVE POWERED MOTIONS DISABLED AND PLANT ISOLATED BEFORE ANY WORK COMMENCES. ENSURE CONSIDERATION IS GIVEN TO STORED ENERGY INCL: GRAVITATIONAL AND LOADS UNDER SPRING COMPRESSION OR TENSION.
143443.16	Risk Control	IDENTIFY ALL OPERATIONAL HAZARDS ASSOCIATED WITH PLANT, RISK ASSESS IDENTIFIED HAZARDS AS PER AS4360:2004 RISK MANAGEMENT AND IMPLEMENT APPROPRIATE CONTROLS. DOCUMENT ALL RISK ASSESSMENTS
143443.17	Plant Structure	STABILITY OF APPLIANCE AND OR ATTACHMENTS TO THE PLANT/APPLIANCE, ENSURE THE PLANT IS SECURELY FIXED/MOUNTED AND OR RESTRAINED/SUPPORTED.
143443.18	Maintenance	AN EMPLOYER MUST ENSURE THAT FOR ANY TESTING, MAINTENANCE, INSPECTION, COMMISSIONING OR ALTERATION, RECORDS ARE MAINTAINED DURING THE OPERATING LIFE OF PRESSURE VESSELS
143443.19	Training & Competency	A PERSON MUST NOT OPERATE OR USE CERTAIN TYPES OF PLANT, OR EMPLOY OR DIRECT ANOTHER PERSON TO OPERATE OR USE SUCH PLANT, IF THE OPERATOR DOES NOT POSSESS A CERTIFICATE OF COMPETENCY, OR IS DECLARED COMPETENT TO OPERATE THE PLANT OR HAS A RECOGNISED QUALIFICATION TO OPERATE THAT PLANT. ENSURE OPERATOR IS APPROPRIATELY LICENSED/CERTIFIED/COMPETENCY ASSESSED TO OPERATE PLANT. ENSURE RECORDS OF QUALIFICATIONS ARE RETAINED ONSITE
143443.20	PPE	ASSESS AND SUPPLY PERSONAL PROTECTIVE EQUIPMENT (PPE) - IDENTIFY TYPE AND PROVIDE INSTRUCTION/INFORMATION RE: USE, STORAGE, CARE AND MAINTENANCE OF PPE (E.G. EYE & HEAR PROTECTION, DUST MASK ETC.)
143443.21	Hazard Identification	AN EMPLOYER MUST ENSURE THAT RELEVANT INFORMATION IS OBTAINED TO HELP IDENTIFY HAZARDS, ASSESS RISKS AND DEVELOP APPROPRIATE RISK CONTROL MEASURES.

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.