

Hazard Register



Type	DRILL RIG	Location	
Make	CATERPILLAR	Sale Number	9043506
Model	Blasthole Drill	Lot Number	3
Serial Number			

ID	Hazard Type	Hazard Description
138319.1	High Pressure Fluid	HYDRAULIC PRESSURE PRESENT. ENSURE THAT ALL PRESSURE IS RELEASED PRIOR TO PERFORMING MAINTENANCE OR DE-COMMISSIONING TASKS. HYDRAULIC MINOR LEAKS PRESENT.
138319.2	Plant Operation	ENSURE THAT ALL PANEL CONTROLS ARE EASILY READ FOR SAFE MACHINE FUNCTION. CONTROL LABELS STARTING TO FADE. REPLACE ANY LABELS WHICH CANNOT BE READ.
138319.3	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
138319.4	Emergency Stop	REGULARLY CHECK OPERATION OF EMERGENCY STOPS (E-STOPS) TO PLANT AS REQUIRED BY AUSTRALIAN STANDARD: SAFE GUARDING OF MACHINERY - GENERAL PRINCIPLES.
138319.5	Signage	RISK ASSESS THE PLANT AND PROCESS TO IMPLEMENT APPROPRIATE SAFETY SIGNAGE E.G. PINCH POINT. ENSURE ELECTRICAL HAZARD ,STRUCK BY OBJECT, AND SOME OPERATIONAL SIGNAGE ON THIS PLANT.
138319.6	PINCH POINT	PIVOT AND CRUSH POINT PRESENT ON PLANT. ENSURE SIGNAGE PRESENT.
138319.7	warning device	ENSURE THAT A VISUAL AND AUDIBLE WARNING DEVICE IS ATTACHED AND FUNCTIONING PRIOR TO USE IN THE WORKPLACE.
138319.8	Noise	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 AUSTRALIAN STANDARD OCCUPATIONAL NOISE MANAGEMENT PART 1: MEASUREMENT AND ASSESSMENT OF NOISE EMISSION 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.
138319.9	Working at Heights	CONDUCT ASSESSMENTS FOR WORK AT HEIGHTS, AND IMPLEMENT REQUIRED CONTROL SYSTEMS AS REQUIRED.
138319.10	Plant Operation	DESIGNERS, MANUFACTURERS AND SUPPLIERS OF POWERED MOBILE VEHICLES, AND EMPLOYERS WHO USE POWERED MOBILE VEHICLES AT THE WORKPLACE, MUST IDENTIFY THE HAZARDS, ASSESS THE RISKS ASSOCIATED WITH THE VEHICLES AND DEVELOP ADEQUATE MEASURES TO ELIMINATE OR CONTROL THE RISKS.
138319.11	High Pressure Fluid	CONDUCT REGULAR INSPECTIONS OF HYDRAULIC OPERATION AND HYDRAULIC PUMPS AND POWER PACKS. DOCUMENT RESULTS AND RETAIN RECORDS
138319.12	Electrical	PLANT NEEDS TO BE REGULARLY INSPECTED AND MAINTAINED AS PER AUSTRALIAN STANDARD: IN-SERVICE SAFETY INSPECTION AND TESTING OF ELECTRICAL EQUIPMENT AND AUSTRALIAN STANDARD: WIRING RULES AND/OR AUSTRALIAN STANDARD: ELECTRICAL EQUIPMENT OF INDUSTRIAL MACHINES.

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138319.13	Emergency Stop	ENSURE ALL E-STOPS FUNCTIONING PRIOR TO USE IN THE WORKPLACE.
138319.14	Fire/Explosion	ENSURE REFUELLING IS CARRIED OUT BY COMPETENT PERSONNEL. ALLOW SUFFICIENT TIME FOR PLANT TO COOL BEFORE REFUELLING
138319.15	Fire/Explosion	POTENTIAL FOR BUILD UP OF EXPLOSIVE ATMOSPHERES IN PLANT. ENSURE THAT MITIGATION MEASURES ARE IN PLACE TO PREVENT THE DEVELOPMENT OF EXPLOSIVE ATMOSPHERES.
138319.16	Falling	ENSURE STEPS, PLATFORMS AND LADDERS HAVE NON SLIP SURFACES AND SECURED TO PLANT AS PER AUSTRALIAN STANDARD: FIXED PLATFORMS, WALKWAYS AND LADDERS.
138319.17	Striking	FALLING PLATFORMS AND PIVOT FRAMES. ENSURE EMPLOYEES ARE MADE AWARE OF HAZARDS I.E. TRAINING, SIGNAGE.
138319.18	Fire/Explosion	ENSURE THAT FIRE SUPPRESSION SYSTEMS ARE FITTED TO PLANT AND PORTABLE FIRE FIGHTING EQUIPMENT ARE LOCATED AS REQUIRED BY. ENSURE THAT SYSTEMS ARE REGULARLY INSPECTED/CHECKED AS REQUIRED BY RELEVANT STATE ACTS AND REGULATIONS AND AUSTRALIAN STANDARD AUSTRALIAN STANDARD: MAINTENANCE OF FIRE PROTECTION SYSTEMS
138319.19	Guarding	ENSURE INSTALLED MANUFACTURERS INTERLOCKS AND SAFETY SYSTEMS ARE WORKING CORRECTLY. INSPECT REGULARLY AND RETAIN RESULTS OF INSPECTIONS.
138319.20	Registration	ENSURE THAT RECEIVER TANKS AND ACCUMULATORS ARE INSPECTED ANNUALLY AND THE INSPECTION NOTICE AFFIXED AS REQUIRED - ENSURE ALL REGISTRATION LABELS, COMPLIANCE PLATES AND REGISTRATION DOCUMENTS ARE AFFIXED TO PLANT AND LEGIBLE PRIOR TO OPERATION OF PLANT. TANKS SHOULD BE INSPECTED IN ACCORDANCE WITH AUSTRALIAN STANDARD: PRESSURE EQUIPMENT IN SERVICE INSPECTION PRIOR TO USE
138319.21	PLANT DAMAGE	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. ENGINE HOOD/ PANEL DAMAGE PRESENT EXPOSING HOT SURFACE AND MOVING PARTS. WINDOW SMASHED. ENGINE HOODS CAN CLOSE PROPERLY.
138319.22	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.
138319.23	Electrical	AN EMPLOYER MUST ENSURE THAT WHEN ELECTRICAL TESTING IS CARRIED OUT SAFELY BY ENSURING THAT A SAFE SYSTEM OF WORK IS USED THAT MUST INCLUDE RISK ASSESSMENT AND RISK CONTROL MEASURES, APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT IS PROVIDED AND USED PROPERLY, APPROPRIATE TEST EQUIPMENT IS PROVIDED AND USED PROPERLY, PERSONS DOING THE WORK ARE TRAINED IN THE PROPER USE OF PERSONAL PROTECTIVE EQUIPMENT AND TEST EQUIPMENT AND IF NECESSARY ACCORDING TO THE RISK ASSESSMENT, A SAFETY OBSERVER WHO IS COMPETENT TO ASSIST THE PERSONS DOING THE TESTS AND WHO IS COMPETENT IN ELECTRICAL RESCUE AND CARDIOPULMONARY RESUSCITATION IS PRESENT.
138319.24	Working at Heights	ENSURE OPERATORS ARE PROVIDED WITH AND USE FALL PROTECTION MECHANISMS WHEN OPERATING PLANT. PROVIDE COMPETENCY BASED TRAINING FOR USE OF EQUIPMENT AND DOCUMENT RESULTS
138319.25	Plant Operation	AN EMPLOYER MUST ENSURE THAT EMERGENCY PROCEDURES FOR THE PLANT ARE VISIBLY DISPLAYED TO THE OPERATOR AS PER STATE LEGISLATION

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138319.26	Hot Surfaces	BURNS, FIRE ,EXPLOSION. ENSURE REFUELING WHEN ENGINE COOL. ENSURE GUARDING IN PLACE EG COVERS, CAGES, TO PREVENT EMPLOYEE INJURY WHEN CONDUCTING MAINTENANCE OR SERVICING.
138319.27	Plant Operation	ANYONE IN CONTROL OF PLANT THAT IS USED BY PEOPLE AT WORK MUST ENSURE THAT THE PLANT IS SAFE WHEN IT IS USED PROPERLY. DESIGNERS, MANUFACTURERS AND SUPPLIERS OF POWERED MOBILE VEHICLES, AND EMPLOYERS WHO USE POWERED MOBILE VEHICLES AT THE WORKPLACE, MUST IDENTIFY THE HAZARDS, ASSESS THE RISKS ASSOCIATED WITH THE VEHICLES AND DEVELOP ADEQUATE MEASURES TO ELIMINATE OR CONTROL THE RISKS.
138319.28	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 & EAR PROTECTION). NO PPE SIGNAGE PRESENT.
138319.29	Maintenance	ENERGY SOURCES ASSOCIATED WITH THE PLANT TO BE ISOLATED WHEN THE PLANT IS BEING DISMANTLED, CLEANED/MAINTAINED. ALL GUARDS REPLACED/FITTED BEFORE THE PLANT IS PUT BACK INTO SERVICE.

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.