

# Hazard Register



<b>Type</b>	LOG FORWARDER	<b>Location</b>	
<b>Make</b>	TIMBCO	<b>Sale Number</b>	9054361
<b>Model</b>	TF820 - E	<b>Lot Number</b>	0002
<b>Serial Number</b>			

ID	Hazard Type	Hazard Description
142592.1	Plant Operation	ENSURE A COPY OF THE MANUFACTURERS OPERATING MANUAL IS PRESENT. ENSURE THAT THE OPERATOR IS FAMILIAR WITH PLANT OPERATIONS PRIOR TO USE.
142592.2	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.
142592.3	Plant Operation	ENSURE ALL MACHINERY CONTROLS NEED TO BE LABELLED FOR SAFE OPERATION- INCLUDING LEVER CONTROL LABELS.
142592.4	Maintenance	CONDUCT REGULAR MAINTENANCE CHECKS OF WARNING SYSTEMS AND LIGHTS. RETAIN RECORDS OF INSPECTIONS.
142592.5	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.
142592.6	Maintenance	ENSURE AIR, OIL AND LUBRICANT LINES ARE APPROPRIATELY IDENTIFIED AND LABELED - FAILURE OF FLEXIBLE HOSES (HYDRAULIC, PNEUMATIC, FUEL, LPG OR OIL LINES) RESULTING IN UNCONTROLLED OR UNWANTED RELEASE. CONDUCT REGULAR MAINTENANCE CHECKS AND RETAIN RECORDS OF INSPECTIONS. THERE ARE HYDRAULIC LEAKS IN THE LIFTNG RAMS- REPAIR BEFORE USE IN THE WORKPLACE.
142592.7	Plant Operation	A MOBILE PLANT TRAFFIC MANAGEMENT PLAN MUST BE PREPARED TO ENSURE THE SAFETY OF PEDESTRIAN, VISITORS, OTHER VEHICLE MOVEMENTS AND PROPERTY ETC, BEFORE THE PLANT IS USED IN THE WORKPLACE.
142592.8	Registration	ENSURE THAT CONDITIONAL REGISTRATION IS CURRENT PRIOR TO OPERATING ON PUBLIC ROAD. ENSURE THAT PLANT IS OPERATED WITHIN THE PARAMETERS OF THE LIMITED REGISTRATION.
142592.9	Plant Operation	COLLISION. ENSURE THAT THERE IS ONE AUDIBLE AND ONE VISUAL WARNING DEVICE ON THE PLANT. THE ROTATING/STROBE WARNING LIGHT IS PRESENT. ENSURE THE WARNING DEVICES ARE WORKING ON THIS PLANT PRIOR TO USE IN THE WORKPLACE.
142592.10	Fire	ENSURE THERE IS FIRE EXTINGUISHER PRESENT. ENSURE THE FIRE EXTINGUISHERS ARE INSPECTED EVERY 6 MONTHS BY A QUALIFIED PERSON.
142592.11	Visibility	ENSURE THE WINDSCREEN IS IN GOOD CONDITION ON THIS PLANT. ENSURE THAT EXCESSIVE DUST IS REMOVED FROM WINDOWS AND WINDSCREENS PRIOR TO USE IN THE WORKPLACE. ENSURE THERE ARE REVERSE MIRRORS ON THE PLANT.
142592.12	Installation, Operation & Maintenance	A PLANT MANUFACTURER/OWNER/SITE CONTROLLER MUST IDENTIFY ANY FORESEEABLE HAZARD THAT MAY BE

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		INCORPORATED INTO THE PLANT DURING THE OPERATIONAL PROCESS AND THAT HAS THE POTENTIAL TO HARM THE HEALTH OR SAFETY OF ANY PERSON DURING THE INSTALLATION, ERECTION, COMMISSIONING, USE, REPAIR, DISMANTLING, STORAGE OR DISPOSAL OF THE PLANT AT A PLACE OF WORK OR, IN THE CASE OF PLANT AFFECTING PUBLIC SAFETY, AT ANY OTHER PLACE AT WHICH THE PLANT IS LOCATED.
142592.13	Plant Structure	OWNERS AND USERS MUST ENSURE THAT POWERED MOBILE PLANT IS FITTED WITH APPROPRIATE SEAT RESTRAINTS IF: THE PLANT IS FITTED WITH A ROLLOVER PROTECTIVE STRUCTURE OR A FALLING OBJECT PROTECTIVE STRUCTURE AND ATTACHMENT POINTS FOR THE SEAT RESTRAINTS ARE PART OF THE ORIGINAL DESIGN. THERE IS A SEAT BELT ON THIS PLANT. ROPS/FPOS PRESENT ON THIS PLANT.
142592.14	Plant Structure	OWNERS AND USERS OF MOBILE EQUIPMENT MUST ENSURE THAT REAR VISION SYSTEMS AND OTHER WARNING DEVICES ARE FITTED TO WARN PEDESTRIANS WHEN THE VEHICLE IS MOVING. ENSURE HORN, ROTATING LIGHT AND REVERSE WARNING SYSTEM IS FUNCTIONING PRIOR TO USE IN THE WORKPLACE.
142592.15	Plant Operation	ENSURE THAT A SAFETY MANAGEMENT PLAN HAS BEEN DEVELOPED AND IS IMPLEMENTED AT THE SITE. INCLUDE SITE PLANT REGISTRATION CONTROLS, TRAFFIC MANAGEMENT PLAN FOR MOBILE PLANT AND NATIONAL CERTIFICATES OF COMPETENCY FOR HIGH RISK WORK. ENSURE THAT MANAGEMENT OF MOBILE PLANT ACTIVITIES IS IN ACCORDANCE WITH THE RELEVANT ACTS AND REGULATIONS IN FORCE.
142592.16	Hot Surfaces	BURNS, FIRE. EXPOSED HOT SURFACES EG EXHAUSTS SHOULD BE GUARDED AS PER THE AUSTRALIAN STANDARD: SAFE GUARDING OF MACHINERY. ENSURE THERE IS FIXED GUARDING AROUND THE EXHAUST OUTLET.
142592.17	OVERHEAD OBSTRUCTIONS	ENSURE OPERATORS ARE FAMILIAR WITH THE HEIGHT OF PLANT AND PROCEDURES RELATING TO OVERHEAD HIGH VOLTAGE ELECTRICAL INFRASTRUCTURE. ENSURE THAT THE OVERHEAD HIGH VOLTAGE LABELS ARE DISPLAYED IN THE CABIN OF THIS PLANT.
142592.18	Legislation	ANYONE WHO OWNS AND OPERATES POWERED MOBILE PLANT MUST ENSURE THAT TRACTORS WITH A MASS OF BETWEEN 560 AND 15,000 KG AND EARTH MOVING MACHINERY WITH A MASS OF BETWEEN 700 AND 100,000 KG MACHINERY ARE FITTED WITH PROTECTIVE STRUCTURES THAT MEET THE REQUIREMENTS OF AUSTRALIAN STANDARD: TRACTORS - ROLL-OVER PROTECTIVE STRUCTURES - CRITERIA AND TESTS - CONVENTIONAL TRACTORS, AS 1636.2-1996: TRACTORS - ROLLOVER PROTECTIVE STRUCTURES - CRITERIA AND TESTS - REAR-MOUNTED FOR NARROW-TRACK TRACTORS AND AS 1636.3-1996: TRACTORS - ROLL-OVER PROTECTIVE STRUCTURES - CRITERIA AND TESTS - MID-MOUNTED FOR NARROW-TRACK TRACTORS AND AS 2294.1-1997: EARTH-MOVING MACHINERY - PROTECTIVE STRUCTURES - GENERAL, AS 2294.2-1997: EARTH-MOVING MACHINERY - PROTECTIVE STRUCTURES - LABORATORY TESTS AND PERFORMANCE REQUIREMENTS FOR ROLL-OVER PROTECTIVE STRUCTURES AND AS 2294.3-1997: EARTH-MOVING MACHINERY - PROTECTIVE STRUCTURES - LABORATORY TESTS AND PERFORMANCE REQUIREMENTS FOR FALLING -OBJECT PROTECTIVE STRUCTURES.
142592.20	Emergency Stop	REGULARLY CHECK OPERATION OF EMERGENCY STOPS (E-STOPS) TO PLANT AS REQUIRED BY AS4024.1 SAFE GUARDING OF MACHINERY - GENERAL PRINCIPLES.
142592.21	Slipping and Tripping	ENSURE LADDERS, STEPS AND PLATFORMS ARE SECURELY FIXED WITH NON-SLIP MATERIAL APPLIED. HANDRAILS SHOULD BE PRESENT ABOVE 1M ABOVE GROUND.
142592.22	Plant Operation	ANYONE WHO OWNS AND OPERATES POWERED MOBILE PLANT MUST ENSURE THAT THE PLANT IS NOT USED TO CARRY, LIFT OR LOWER ANOTHER PERSON (OTHER THAN THE OPERATOR) UNLESS, IT IS DESIGNED TO DO SO, IF IT HAS A SPECIFICALLY-DESIGNED SEAT FOR CARRYING ANOTHER PERSON, THE SEAT IS INSIDE A PROTECTIVE ZONE AND SEAT BELTS ARE FITTED AND THE OTHER PERSON IS SEATED IN THE SEAT.
142592.23	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

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		AND CLEANING TASKS [NSW W&HS REGULATION 2011]. 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 [NSWS REGULATION 2011] LOCKOUT OR ISOLATION DEVICES, DANGER TAGS , PERMIT TO WORK SYSTEMS OR OTHER CONTROL MEASURES.
142592.24	Maintenance	FAILURE OF FLEXIBLE HOSES (HYDRAULIC, PNEUMATIC, FUEL, LPG OR OIL LINES) RESULTING IN UNCONTROLLED OR UNWANTED RELEASE. CONDUCT REGULAR MAINTENANCE CHECKS AND RETAIN RECORDS OF INSPECTIONS.
142592.25	Maintenance	ANYONE WHO OWNS AND OPERATES POWERED MOBILE PLANT MUST ENSURE THAT [WH&S REGULATION 2011]: THE PLANT INCORPORATES ERGONOMIC PRINCIPLES, ALLOWS SAFE ACCESS TO VARIOUS COMPONENTS FOR MAINTENANCE, ADJUSTMENT, REPAIR AND CLEANING, MINIMISES THE BUILD UP OF UNWANTED SUBSTANCES OR MATERIALS THAT CREATE A RISK AND MINIMISES THE RISK OF UNINTENDED OVERTURNING OR A FALLING OBJECT CONTACTING THE OPERATOR AND, IF THERE IS A RISK OF THE PLANT OVERTURNING, OBJECTS FALLING ON THE OPERATOR OR THE OPERATOR BEING EJECTED, APPROPRIATE PROTECTIVE DEVICES ARE INCORPORATED IN THE DESIGN.
142592.26	Operator License	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 RECOGNISED QUALIFICATION TO OPERATE PLANT. ENSURE RECORDS OF QUALIFICATIONS ARE RETAINED ONSITE.
142592.27	Plant Operation	ENSURE LOGBOOK IS COMPLETED WITH DAILY OPERATIONAL SAFETY CHECKS AND RECORDS OF FAULTS, REPAIRS AND MAINTENANCE. SERVICE RECORD NOT DISPLAYED ON THIS PLANT.
142592.28	Plant Operation	UNAUTHORISED OPERATION OF PLANT (KEYS LEFT IN THE IGNITION). REMOVE KEYS FROM IGNITION IF PLANT IS LEFT UNATTENDED.
142592.29	Plant Operation	ENSURE REFUELLING IS CARRIED OUT BY COMPETENT PERSONNEL. ALLOW SUFFICIENT TIME FOR PLANT TO COOL BEFORE REFUELLING.
142592.30	Visibility	THE WINDSCREEN AND WINDOWS ARE IN GOOD CONDITION. ENSURE THAT EXCESSIVE DUST IS REMOVED PRIOR TO USE INT HE WORKPLACE.
142592.31	Plant Maintenance	CONDUCT AND DOCUMENT REGULAR PLANT CONDITION/ INSPECTION REPORT. ENSURE THAT THE PLANT HAS UNDERGONE THE 10 YEAR STRUCTURAL INSPECTION AND ASSESSMENT AS REQUIRED BY QLD LEGISLATION, PRIOR TO PLANT COMMENCING WORK. ENSURE THAT ALL LIFTING ATTACHMENTS INCLUDING CABLE, CHAINS AND HOOKS ARE INSPECTED BY A COMPETENT PERSON EVERY 6 MONTHS.

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

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.