

Familiarity with security risks

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Familiarity with the safety risks arising from servicing, inspection and installation activities:

Carrying out installation, maintenance and servicing of motorised trucks and platforms,
moving around the premises

Risk

Contact with or inhalation of harmful liquids, gases, mists, vapours and dusts.
Failure to use personal protective equipment, inadequate local lighting. Human error.
Inability to stop the machine in the most suitable conditions. Faulty assembly. Falling or
movement of the machine or equipment etc. caused by handling of the machine or
equipment. Falling from equipment. Splashing of operating fluids. Failure to secure the
machine against movement.

Measures

Familiarity with and compliance with instructions, regulations and standards. Use of PPE.
Concentrating on the job. Following work procedures with instructions. Preventing access by
unauthorised persons. Use of intact tools and instruments. Professional and medical
competence. Proper braking of the machine. Lighting of the workplace. Warning and safety
signs . Arranging signals for machine handling and movement.

Use of tools and instruments (hand tools and instruments, mechanical hand tools and
instruments, power tools, electric tools, hydraulic tools, air tools)

Risk

Perforation (cut, puncture). Bruising. Electric shock. Failure to comply with instructions,
regulations and standards. Burns. Vibration at the workplace. Noise at the workplace.
Capture by rotating and moving parts. Cutting or severing. Coiling. Friction and abrasion.

Electric shock. Ejection of parts (machinery or workpieces) materials/workpieces) or the risk of high-pressure liquid or gas spillage. Thermal radiation or other phenomena such as molten particles flying off and chemical effects of short circuits, overloads, etc.

Changing tool speed. Dropping or ejecting objects or splashing liquids.

Measures

Familiarity with and compliance with instructions, regulations and standards. Use of PPE. Electrical inspection. equipment. Concentration on the job. Compliance with work procedures. Preventing access to unauthorised persons. Checking tools and instruments before use. Do not make additional modifications to tools and instruments. Professional and medical competence. Prohibition of the use of gloves at moving parts of the machine. Use of tight-fitting work clothing. Moving

loads and materials

Risk

Being overwhelmed or pinned by loads and material (whole persons and body parts). Perforation by sharp edges of moving loads. Damage to the body by exceeding weight limits.

Measures

Familiarity with and compliance with instructions, regulations and standards. Focus on the job. Compliance with weight limits for moving loads and materials. Marking the load capacity with a safety plate. Specialised training (crane operator, binder). Use of PPE. Preventing access by unauthorised persons. Compliance with local operating regulations.

Motorized trolley (VZV), platforms - operation

Risk

Load falling from the forks and hitting a person near the trolley due to incorrect placement and arrangement of the handling unit and organisational deficiencies. Overturning of the trolley (after loss of stability), injury to the driver or another person. Person struck by the moving trolley or forks against a fixed obstacle or structure. Running over a person with a trolley, running over the legs of a moving trolley, endangering a person by the movement and working activity of the trolley. Collision of the trolley with another vehicle in road

traffic. Hands or feet being pinned to the floor by a load on forks. Poisoning by the effects of exhaust gases (especially CO) in the exhaust of a motorised trolley with internal combustion engine (enclosed space). Exposure to electrolyte emissions (battery charging). Explosion, fire. Electric shock. Slipping on leaking operating fluids.

Measures

No leaving the trolley when the load is lifted. When testing equipment - pallets to be loaded evenly so that the loaded material does not exceed the external plan dimensions, the loaded material must not interfere with the scooping holes. The load and its parts placed on the trolley (or forks) shall be secured against falling, sliding or displacement (by means of safe storage, fixing etc.). Observe the prohibition to stay under the load lifted on the forks of the trolley. Provide training and testing for motorized cart drivers. Lifting trolley labelled and load capacity diagram . Lifting equipment, picking devices, pedals, steps and trolley floors must be free of grease, oil, mud etc. Inspection and checking of trolleys and individual components (including LPG). Do not work in a confined space with the engine running. Observe local traffic regulations (priority, routes, speed, etc.) The trucks and their equipment must be operated and used only for the purposes specified by the manufacturer and designed in accordance with the marked load capacity or pulling force or the requirements of the load chart. Adequate visibility when reversing. Compliance with repair and servicing procedures. Compliance with the procedure for charging the trolley and batteries. Immediate cessation of work when explosive concentrations occur. Ventilation of the workplace. Remediation of operating fluid leaks. Avoiding the use of open flames and other sources of ignition in the immediate vicinity of flammable substances. Work only on electrically secured equipment. Checking tyre condition before driving. Avoiding access to unauthorised persons.

Flame and electric arc welding, flame cutting

Risk

Flame ingress into the hose or pressure reducing valve. Rupture, damage, ignition of the hose. Explosion, fire. Low outlet velocity of gas mixture (nozzle clogging). Heating of the cylinder, explosion if the casing is subjected to stresses exceeding the elongation limit of the sheet metal. Fire, burn if oxygen leaks through a leaky and grease-stained cylinder valve, burner valve. Burns, fire from oxygen leakage by welding and cutting torches. Burns to various parts of the body if the smoker has soiled work clothing. Use of a damaged pressure reducing valve, rupture of the diaphragm and gas leakage. Burning of the welder or other persons. burner flame, fire. Fire by ignition of the trolley or part thereof, fuel. Fire by ignition of surrounding material or spilled operating fluids. Burning of an unprotected part of the body

(hand) by direct contact of the hammer with the heated cut, cut metal and hot metal surfaces during heat transfer. Unbearable and unfavourable microclimatic conditions, especially in outdoor unprotected areas in summer, in enclosed spaces,

in areas with considerable radiant heat, etc. Damage to health from exposure to radiation or welding fumes.

Measures

Only attach welding equipment to cylinders that is designed and tested for this purpose.

Use the correct cutting torches . Remove from service any torch that exhibits flame backfire. Do not use defective burners. Correct procedure for igniting and extinguishing burner flame. Competence of welders. Closure of valves in the event of an interruption. work. Sufficient hose length, safe positioning of cylinders away from the heat source. Tightness of the oxygen cylinder valve. Elimination of valve fouling with grease. Tightness of hoses and connections, checking hose leaks 1 x every 3 months and testing for highest working overpressure (0.8 - 1.5 MPa for oxygen hoses). Timely replacement of damaged, swollen, excessively cracked hoses.

Firm and tight hose connections with hose clamps (clips, not wire). Protection of hoses against mechanical damage (cuts, etc.), burns and grease contamination.

Do not use hoses shorter than 5 m or have a distance between couplings shorter than 5 m.

Use proper work clothing and PPE. Do not open the valve with a sharp jerk.

Do not use damaged pressure reducing valves (e.g. even if the pressure gauge protective glass is cracked). Do not flame unfreeze pressure reducing valves (frozen pressure reducing valves and

the gas lines are thawed with hot water or other suitable heating up to a temperature of 200 °C). When extinguishing the burner flame, always ensure that the flame is completely extinguished. Extinguish the flame immediately if the burner extension overheats, cool it in water and purge it with oxygen. When welding with el. When arc welding, ensure that the conductors are earthed. Inspect the equipment before use. Electric arc welding. Do not carry out arc welding in wet, humid or stormy conditions. Work with fire must be carried out on the basis of written permission, in accordance with the applicable regulations (in particular Decree No 87/2000 Coll.). Prevention of access by unauthorised persons The customer at whose premises the servicing work is carried out must ensure that a fire watch is in place for the necessary period of time after the completion of work that could cause a fire.

Pressure vessels (compressor - inflation, cleaning, testing)

Risk

Non-compliance with standards. Failure to respect the failure, defect or abnormal condition of containers.

Do not remove vessels from service in case of danger. Failure to participate in inspections and audits, ignorance
the results of checks and audits. Failure to maintain order, cleanliness and accessibility in the container location area. Keeping unauthorised persons in the working area of the containers.
Failure of vessel equipment. Explosion.

Measures

Designate one or more personnel responsible for the operation of the vessels. Ensuring the necessary servicing and maintenance of the vessels. Ensuring that the safety valves are re-set, adjusted and tested. Comply with safety regulations and equipment manuals during operation, maintenance and repair. Maintaining accurate records of all vessels and ensuring accessibility to this documentation. Determine how operational records are to be maintained. Obeying the orders of the supervisor. Taking vessels out of service when there is a risk of default. Participating in inspections and audits. Inspecting and testing vessel equipment to the prescribed extent. To keep operational records as required operational guidelines. Maintain order, cleanliness and accessibility in the container location area. Ensure that unauthorised persons are not present in the work area. To hand over the operation of the equipment to the supervisor in the event of sudden sickness. Calibration of measuring elements. Compliance with maximum permissible pressures. Prevention of access by unauthorised

persons. Working at height, platform control

Risk

Employee fall - by falling over the railing. Tool fall from height - skull injury. Overturning a raised platform. Electrocuting (by wiring or plumbing).

Measures

Familiarity with and compliance with instructions, regulations and standards. Use of PPE. Concentrating on the job. Following work procedures with instructions. Preventing access by unauthorised persons. Professional and medical competence. Proper braking of the machine. Warning and safety signs. Arranging signals for machine handling and movement. Respect for the terrain, the condition of the communication, climatic conditions. Prohibition of climbing over collective protection (in case of necessity of using personal harness). Securing tools against falling. Protective helmet. Prohibition work in the protective area of the el. lines.

Use of chemicals - paints, oils, cleaners, etc.

Risk

Chemical ingestion and poisoning. Fire, explosion. Sensitisation of the skin by exposure to the chemical. Inhalation of vapours. Eye splashes. Unfamiliarity with properties of substances. Environmental accident.

Measures

Medical fitness. Safety Data Sheet. Training on the properties of substances, familiarisation with the sheet.

Compliance with fire regulations. Fire extinguisher. Occupational health and safety training. PPE according to safety data sheets. Remediation aids, emergency preparedness. Prevention of access by unauthorized persons. No spillage into food containers. Labelling of substance packaging. Cleaning of workplace, disposal of packaging. Developing rules for hazardous substances - familiarisation.

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