

Scope of Examination

Annex 1 to Standard Inspection Contract

These services are categorised by the following technical disciplines, relating to the relevant regulations:

- Lifting equipment
- Pressure systems
- Electrical (fixed wiring installations, plant and portable appliances)
- Local exhaust ventilation (LEV)
- Power presses
- Playground
- General work equipment
- Other equipment

Inspection services – lifting equipment

What to expect in a standard inspection contract

- Our engineer surveyor will undertake periodic thorough examinations of the lifting equipment in accordance with regulation 9 (3) (a) of LOLER¹.
- These examinations are designed to detect and report safety-related defects resulting from the deterioration of the item in-service and will include functional testing of the item and relevant protective/safety devices.
- These examinations are risk-based, meaning that the scope of the examination will be varied according to an assessment of the health and safety risk. Further dismantlement, additional examination and supplementary tests may be required in order to complete an examination.
- Where additional examinations and or supplementary tests are required these are not included in the standard fee.
- Zurich will provide reports of thorough examinations in accordance with regulation 10 (1) and Schedule 1 of LOLER.
- Zurich will bring to attention other defects, for example, obvious design deficiencies, and make other pertinent observations in order to discharge our general duty of care, and to add further value.
- Zurich will notify you of situations where we have been unable to undertake or complete thorough examinations for reasons beyond our control, and will inform you of the reasons why.
- Zurich will perform the thorough examination of relevant items of lifting equipment that are found at the respective location but are not included on your inspection Schedule, thereby adding them to the Schedule, unless expressly instructed by you to the contrary.
- Where non-LOLER items (such as axle stands and dock levellers) are included in the Schedule, they will be inspected as though they are items of lifting equipment, to the same standard as a LOLER thorough examination.

What not to expect in a standard inspection contract

- Zurich will not undertake the repair or maintenance of items subject to thorough examination as this would contravene the terms of our UKAS accreditation.
- Zurich will not undertake the preparation, re-instatement, operation (except the limited operation required to facilitate examination), interim inspection or specialised testing of items subject to thorough examination.

¹ Lifting Operations and Lifting Equipment Regulations 1998

- Zurich will not co-ordinate the provision of services from third parties, even if those services are necessary in order to the thorough examinations.
- Zurich will not undertake a detailed assessment of any item's design with reference to codes, standards or directives, or of its suitability for intended use in the particular environment or of its remnant life.
- Zurich will not undertake supplementary tests unless agreed in writing as an additional service (for which a fee would be charged).
- The examination will be focussed on structural components associated with the lifting activity. As such the examination of electrical systems will be limited to functional tests of devices and controls and reporting of patently dangerous wiring defects.

Additional specialist services

- Specialist services can be provided as part of the inspection services contract, expanding its scope to include some, or all, of the items titled 'what not to expect in a standard inspection contract,' so long as they do not contravene the terms of our UKAS accreditation.

Inspection services – pressure systems

What to expect in a standard inspection contract

- Unless instructed to use an existing written scheme of examination (WSE), we will create a WSE for you and certify it. We will review the content of the WSE – irrespective of its origination – at each examination of an item or items in accordance with regulations 8 and 9 of PSSR².
- Our engineer surveyor will undertake periodic examinations of the pressure system in accordance with the WSE in order to discharge your obligations under regulation 9 (1) (a) and our obligations under regulation 9 (2) of PSSR.
- WSE, and respective examinations, are designed to assess the affect on safety of any deterioration of the item(s) in-service. Results can be monitored, reported and benchmarked.
- An examination may include functional tests of relevant protective/safety devices and other periodic tests, such as non-destructive testing (NDT) and hydraulic-testing, which we will either undertake ourselves or control in some way.
- Where NDT is required this is not included in the standard service.
- Zurich will provide reports of examinations in accordance with regulations 9 (3), 9 (5) and 10 (1) of PSSR.
- Zurich will bring to your attention other defects, for example, obvious design deficiencies, and make other pertinent observations in order to discharge our general duty of care, and to add further value.
- Zurich will notify you of situations where we have been unable to undertake or complete examinations for reasons beyond our control, and will inform you of the reasons why.
- Zurich will add to the WSE and perform the examination of relevant items of pressure systems that are found at the respective location but had not been included on your inspection Schedule, thereby adding them to the Schedule, but only if expressly instructed by you to do so.
- Where non-PSSR items (such as hot water boilers and un-pressurised storage tanks) are included in the Schedule, and in the absence of any other relevant instruction, they will be inspected according to Zurich generic procedures which are based on reasonably practicable engineering practice.

What not to expect in a standard inspection contract

- Zurich will not certify your WSE as part of the standard inspection contract.
- Zurich will not undertake an examination of an item in accordance with your WSE if we have reason to believe that it is not suitable.
- Zurich will not undertake the repair or maintenance of items subject to thorough examination as this would contravene the terms of our UKAS accreditation.
- Zurich will not undertake the preparation, re-instatement, operation, interim inspection or specialised testing of items subject to thorough examination.
- Zurich will not co-ordinate the provision of services from third parties even if those services are necessary in order to undertake the thorough examinations.
- Zurich will not undertake a detailed assessment of any item's design with reference to codes, standards or directives, or of its suitability for intended use in the particular environment or of its remnant life.
- The examination will be focussed on structural components associated with pressure containment. As such the examination of electrical systems will be limited to functional tests of devices and controls and reporting of patently dangerous wiring defects.

- Where a system contains parts subject to pressure and within the scope of PSSR and other parts which are under atmospheric pressure or outside the scope of PSSR (e.g less than 0.5 bar pressure), then the examination will be limited to those parts within the scope of PSSR unless agreed otherwise.

Additional specialist services

- Where you deem it necessary to postpone an examination we can help thereby aiding compliance with regulation 9 (7) of PSSR.
- We will oversee and certify any repairs or modifications that you need to make to the pressure system to aid compliance with regulation 13 of PSSR.
- Specialist services can be provided as part of the inspection services contract, thereby expanding its scope to include some or all of the items above previously titled 'what not to expect in a standard inspection contract', so long as they do not contravene the terms of our UKAS accreditation. For pressure systems this might include:
 - certifying your WSEs
 - assessing and (if appropriate) agreeing to a justification that you might make to postpone the examination
 - overseeing and certifying repairs and modifications
 - provision of specialist NDT services or Remote Visual Inspection services.

Inspections services – electrical

What to expect in a standard inspection contract

- Our engineer surveyor will undertake periodic inspection and testing of electrical systems or equipment to assist with the requirement to maintain electrical systems stated in regulation 4 (2) of EAW Regulations.
- Inspection of an electrical installation will determine that the design is basically correct, that it has been installed correctly and will detect and report any deterioration from the as-installed condition. Tests to verify certain parameters such as earthing, insulation resistance and correct operation of protective devices will be carried out.
- Inspection of an item of electrical plant will determine that it has been installed correctly and detect and report deterioration from the as-installed condition. Tests to verify certain parameters such as earthing and insulation resistance may be carried out.
- Inspection of a portable appliance will report deterioration from the as-supplied condition. Tests to verify certain parameters such as earthing and insulation resistance may be carried out.
- Zurich will provide reports of inspection and testing in accordance with industry standard guidance for each class of system or equipment. For example, reports for installations are based on the model form in the Institution of Electrical Engineers Guidance Note 3.
- Zurich will advise defects and obvious design deficiencies and make other pertinent observations in order to discharge our general duty of care and to add further value.
- Zurich will notify when we have been unable to undertake or complete inspections for reasons beyond our control, and will inform you of the reasons why.
- Zurich will perform the inspection and testing of relevant items of equipment that are found at the respective location but had not been included on your inspection Schedule, thereby adding them to the Schedule, unless expressly instructed by you to the contrary.

What not to expect in a standard inspection contract

- Zurich will not undertake the repair or maintenance of items subject to inspection and testing as this would contravene the terms of our UKAS accreditation.
- Zurich will not co-ordinate the provision of services from third parties even if those services are necessary in order to undertake the inspection and testing.
- Zurich will not undertake a detailed assessment of any item's design with reference to codes, standards or directives, or its remnant life.

Additional specialist services

- Specialist services can be provided as part of the inspection services contract, expanding its scope to include some or all of the items above previously titled 'what not to expect in a standard inspection contract', so long as they do not contravene the terms of our UKAS accreditation.

Inspection services – local exhaust ventilation (LEV)

What to expect in a standard inspection contract

- Our engineer surveyor will undertake periodic thorough examinations of the local exhaust ventilation plant in accordance with the relevant regulations listed below:
 - The Control of Substances Hazardous to Health (CoSHH) regulations 2002 (as amended): examination at least once every 14 months unless stated otherwise in Schedule 4
 - The Control of Lead at Work (CLAW) regulations 2002: examination at least once every 14 months.
- These examinations are designed to detect and report existing or potential safety-related defects resulting from the deterioration or incorrect use of the item in-service and will include functional testing of the system, the results of which are compared with the initial examination or intended operating performance. In other words, the thorough examination will include taking measurements of key parameters such as flow rates, pressures, etc and comparing these with the measurements obtained in the Initial Assessment (Commissioning).
- These examinations are carried out in line with HSE guidance such as COSHH Essentials, COSHH ACoPS, HSG258.
- Zurich will advise other defects, for example, obvious design deficiencies, and make other pertinent observations in order to discharge our general duty of care and to add further value to the examination.
- Zurich will notify you of situations where we have been unable to undertake or complete thorough examinations for reasons beyond our control, and will inform you of the reasons why.
- Zurich will perform the thorough examination of relevant items of statutory local exhaust ventilation plant that are found at the respective location but are not included on your inspection Schedule, thereby adding them to the Schedule, unless expressly instructed by you to the contrary.
- Where non-COSHH items (such as dilution ventilation, enclosed spaces or general ventilation) are included in the Schedule, they will be examined as non-COSHH items although a thorough examination report will be issued.

What not to expect in a standard inspection contract

- Zurich will not undertake the repair or maintenance of items subject to thorough examination as this would contravene the terms of our UKAS accreditation.
- Zurich will not undertake the preparation, re-instatement, operation, interim inspection or specialised testing of items subject to thorough examination e.g. air sampling and health surveillance.
- Zurich will not undertake the Initial Appraisal (referred to as commissioning in HSG258).
- Zurich will not undertake air monitoring/sampling.
- Zurich will not co-ordinate the provision of services from third parties even if those services are necessary in order to undertake the thorough examinations.
- Zurich will not undertake a detailed assessment of any item's design with reference to codes, standards or directives, or of its suitability for intended use in the particular environment or of its remnant life.
- The examination will be focussed on the mechanical components associated with the ventilation activity. As such the examination of electrical systems will be limited to functional tests of devices and controls and reporting of patently dangerous wiring defects.

Additional specialist services

- Specialist services can be provided as part of the inspection services contract, expanding its scope to include some or all of the items above previously titled 'what not to expect in a standard inspection contract', so long as they do not contravene the terms of our UKAS accreditation.

Inspection services – power presses

What to expect in a standard inspection contract

- Our engineer surveyor will undertake periodic thorough examinations of the power press equipment in accordance with regulation 32 of PUWER Part IV⁴.
- These examinations are designed to detect and report safety-related defects resulting from the deterioration of the item in-service and will include functional testing of the item and relevant protective/safety devices.
- These examinations are risk-based meaning that the scope of the examination will be varied according to an assessment of the health and safety risk: further dismantlement, additional examination and supplementary tests may be required in order to complete an examination.
- Zurich will provide reports of thorough examinations in accordance with regulation 34 and Schedule 3 of PUWER Part IV.

⁴Provision and Use of Work Equipment Regulations 1998 as applied to power presses

- Zurich will advise other defects, for example, obvious design deficiencies, and make other pertinent observations in order to discharge our general duty of care and to add further value.
- Zurich will notify you of situations where we have been unable to undertake or complete thorough examinations for reasons beyond our control, and will inform you of the reasons why.
- Zurich will perform the thorough examination of relevant items of power press equipment that are found at the respective location but are not included on your inspection Schedule, thereby adding them to the Schedule, unless expressly instructed by you to the contrary.
- Where power press items to which regulations 32 to 35 of PUWER Part IV do not apply (such as hydraulic/ pneumatic presses and guillotines) are included in the Schedule, they will be examined as though they are items of power press equipment, to the same standard as a PUWER thorough examination.

What not to expect in a standard inspection contract

- Zurich will not undertake the repair or maintenance of items subject to thorough examination as this would contravene the terms of our UKAS accreditation.
- Zurich will not undertake the preparation, re-instatement, operation, interim inspection or specialised testing of items subject to thorough examination.
- Zurich will not co-ordinate the provision of services from third parties even if those services are necessary in order to undertake the thorough examinations (e.g. electrical tests in accordance with HSE guidance).
- Zurich will not undertake a detailed assessment of any item's design with reference to codes, standards or directives, or of its suitability for intended use in the particular environment or of its remnant life.

Additional specialist services

- Specialist services can be provided as part of the inspection services contract, expanding its scope to include some or all of the items above previously titled 'what not to expect in a standard inspection contract', so long as they do not contravene the terms of our UKAS accreditation.

Inspection services – playground

What to expect in a standard inspection contract

- Our engineer surveyor will undertake periodic inspection of playground equipment in accordance with BS EN 1176-7:2008 Playground Equipment Part 7: Guidance on installation inspection, maintenance and operation, Section 6.2 (c) Annual main inspection.
- These inspections are designed to detect and report safety-related defects resulting from the deterioration of the item in-service and will include the surfacing on which the equipment is situated.
- These inspections are risk-based meaning that the scope of the examination will be varied according to an assessment of the health and safety risk.
- Further dismantlement and additional examination may be required in order to complete an inspection.
- Zurich will provide inspection reports. These will advise defects that affect the continued safe use of the equipment. In addition obvious design deficiencies will be reported, as will other pertinent observations in order to discharge our general duty of care and to add further value.
- Zurich will notify you of situations where we have been unable to undertake or complete inspections for reasons beyond our control, and will inform you of the reasons why.
- Zurich will carry out inspections of those relevant items of lifting equipment that are found at the respective location but are not included on your inspection Schedule, thereby adding them to the Schedule, unless expressly instructed by you to the contrary.

What not to expect in a standard inspection contract

- Zurich will not undertake the repair or maintenance of items subject to inspection as this would contravene the terms of our UKAS accreditation.
- Zurich will not undertake a detailed assessment of any item's design with reference to codes, standards or directives, or of its suitability for intended use in the respective environment or of its remnant life.
- Zurich will not witness the playground in use and will not undertake a risk assessment of how the play equipment is being used.

Additional specialist services

- Specialist services can be provided as part of the inspection services contract, expanding its scope to include some or all of the items above previously titled 'what not to expect in a standard inspection contract' so long as they do not contravene the terms of our UKAS accreditation.

General Work Equipment (excluding items examined as ‘Plant’ under ‘electrical’ above)

Provision and Use of Work Equipment Regulations 1998 (PUWER)

We will inspect the plant in accordance with your written scheme of inspection based on a risk assessment of the Plant. If there is no such written scheme of inspection, and if the Plant is relatively standard, we will apply reasonable endeavours to inspect the plant applying a standard of reasonably practicable engineering practice to assess the mechanical and structural integrity of the item.

The principal purpose of this inspection is to detect and report deterioration that affects the safety of persons. Types of deterioration include corrosion, erosion, wear, cracking, vibration loosening of fasteners, overheating/burning, impact damage, subsidence, contamination ingress, leaking, vermin attack, etc. For relatively non-standard Plant Zurich could assess the Plant and create a written scheme of inspection as an Additional Service (see Annex 2)

For the avoidance of doubt, anything not expressly set out in the “What is covered in the Scope” column is excluded. This includes:

- Repair and/or maintenance of any Plant specified in the Schedule.
- Preparation, reinstatement, operation or interim inspection.
- Detailed assessment of the design of Plant with reference to codes, directives, standards; or the suitability of Plant for intended purpose or its remnant life.
- Examination of the equipment under PUWER will be focussed on the mechanical structure. As such, the examination of electrical systems will be limited to functional tests of devices and controls and reporting of patently dangerous wiring defects.

Other equipment (e.g. non-work equipment)

Various regulations selected to represent best practice

We will apply reasonable endeavours to inspect the plant as though it is work equipment and in accordance with the relevant regulations (LOLER, PSSR, EAW, CoSHH, PUWER) unless you expressly instruct us to the contrary.

For the avoidance of doubt, anything not expressly set out in the “What is covered in the Scope” column is excluded. This includes:

- Repair and/or maintenance of any Plant specified in the Schedule.
- Preparation, reinstatement, operation or interim inspection.
- Detailed assessment of the design of Plant with reference to codes, directives, standards; or the suitability of Plant for intended purpose or its remnant life.

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