

# Heavy Equipment Inspection

Guy's Construction  
123 Main Street, Anytown, CA 90210

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Ontology-Backed Safety Document

Effective Date: June 08, 2026

**SAMPLE DOCUMENT - NOT FOR COMPLIANCE USE**

## JURISDICTION AND REGULATORY FRAMEWORK

### STATE-SPECIFIC: California has the following requirements:

- enclosed cab for operator
- proximity to power lines or unstable ground
- rollover hazard and crushing
- operator being ejected during rollover
- silica dust, falling rock, and heavy equipment hazards
- approved by the director
- a designated person, except in an emergency
- name and number of the well and the legal description of the location of the well
- two consecutive blood samples indicate blood lead level below 40 µg/dl
- in a triple packaging consisting of a primary receptacle, secondary packaging, and outer packaging conforming to the provisions in paragraph (c)
- operator protection against falling objects
- a registered civil or mechanical engineer
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- manufacturer name and address, ROPS model number, equipment make and model
- label with manufacturer name and address, ROPS model number, and equipment make and model
- the overall status of implementation of the provisions of this Part relating to the identification, inventory, and removal of underwater obstructions
- third physician to conduct examinations, consultations, laboratory tests and discussions with prior physicians as necessary to resolve disagreement
- fiberboard box (4G) or fiber drum (1G) with plastic inner packaging not exceeding 5 kg (11 lbs) and maximum net mass not more than 25 kg (55 lbs)
- a diagrammatic sketch of the mechanical installation along with a detailed explanation of the flow, procedures and frequency of well tests, calibration/proving of metering devices and allocation formulas
- a list of interested parties (those with interests in the leases and/or units from which production is to be commingled for which the applicant has no existing commingling authority)
- a service braking system capable of stopping and holding the equipment fully loaded, as specified in Society of Automotive Engineers SAE-J237, Loader Dozer-1971, J236, Graders-1971, and J319b, Scrapers-1971
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- seat belts meeting SAE J386-1969
- 29 CFR 1926.602
- autonomous/semi-autonomous excavators, dozers, haul trucks: no OSHA standard for autonomous construction equipment; enforced under 29 CFR 1926.602
- a medical surveillance program in accordance with paragraphs (j)(2) and (j)(3) of this section for all employees who are or may be exposed by the employer at or above the action level for more than 30 days in any consecutive 12 months

- as free as practicable of accumulations of lead
- the director
- the use of reclaimed water in oil and gas operations
- an agreement with the Surety Department for the Conservation Division to properly close and reclaim the site in accordance with approved procedures, on forms available from the Conservation Division and accompanied by surety
- service brakes, parking brake, emergency stopping system, tires, horn, steering mechanism, coupling devices, seat belts, operating controls, safety devices, lights, reflectors, windshield wipers, defrosters, fire extinguishers in safe operating...
- pre-shift inspection of brakes, parking brake, emergency stopping system, tires, horn, steering, coupling devices, seat belts, controls, safety devices and other necessary equipment
- pre-shift inspection of brakes, tires, horn, steering, seat belts, controls, safety devices, lights, reflectors, wipers, defrosters, fire extinguishers etc.
- apparent damage not detected or corrected during pre-shift inspection
- each employee can demonstrate knowledge of how to inspect, put on and remove, use, and check the seals of the respirator
- provided within 30 days after initial assignment to a job with exposure to cadmium or no later than 90 days after the effective date of this section, whichever is later
- biological monitoring including CdU standardized to g/Cr, B2-M standardized to g/Cr with pH specified, and CdB standardized to lwb
- production process surface safety system allowing for automatic shut-in of the system
- 10 feet from lines of adjoining property which may be built upon
- The ends of the excavation to visually reflect slope angles using an engineering rod against a sidewall from a safe distance

## FEDERAL OSHA REQUIREMENTS

- heavy equipment staging plan, crane operations during rig-up, electrical connection verification, pressure testing after rig-up, dropped object prevention per API RP 54

*API RP 54 / API Spec 4F*

- Subpart W (Rollover Protective Structures)

*29 CFR 1926.602(a)(6)*

- tractors manufactured before October 25, 1976 are exempt from ROPS requirement. However, if ROPS is installed, seat belt must also be provided.

*29 CFR 1928.51(a)*

- permanent label (manufacturer name/address, ROPS model number, machine make/model)

*29 CFR 1926.1000(e)*

- Subpart W (ROPS)

*29 CFR 1926.602(a)(6)*

- seatbelt must be worn when ROPS is installed on tractor; ROPS without seatbelt is more dangerous than no ROPS (thrown into rollover zone)

*29 CFR 1928.51 / SAE J2194*

- Inspection of Brakes, Tires, Horn, Steering, Belts, Controls at Start of Each Shift

*1926.601(b)(14)*

- Competent Person

*1926.753(c)(1)(i)*

- competent person

*29 CFR 1926.753(c)(1)(i)*

- Pre-Shift Inspection

*1926.800(r)(1)(i)*

- pre-shift inspection

*1910.178*

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## COMPANY PROCEDURES

Guy's Construction implements the following procedures for heavy equipment inspection:

- Guy's Construction shall: heavy equipment staging plan, crane operations during rig-up, electrical connection verification, pressure testing after rig-up, dropped object prevention per API RP 54

*API RP 54 / API Spec 4F*

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*1926.601(b)(14)*

## TRAINING REQUIREMENTS

- All employees involved in this scope of work must receive initial training before beginning work
- Refresher training when procedures change or deficiencies are observed
- Training must be documented with date, topic, trainer, and attendees

## RECORDKEEPING

- Training records: duration of employment
- Inspection/monitoring records: project duration + 3 years
- Incident reports: 5 years

**California STATE-SPECIFIC REQUIREMENTS (FULL)**

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- service brakes, parking brake, emergency stopping system, tires, horn, steering mechanism, coupling devices, seat belts, operating controls, safety devices, lights, reflectors, windshield wipers, defrosters, fire extinguishers in safe operating condition and free of apparent damage
- pre-shift inspection of brakes, parking brake, emergency stopping system, tires, horn, steering, coupling devices, seat belts, controls, safety devices and other necessary equipment
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