



Crane Accidents from NIs – Mobile Cranes & Boom Trucks

A Notice of Incident (NI) is a preliminary report of an accident that WorkSafeBC officers respond to. The NI is based on information obtained as soon as possible after the accident, but before an investigation into causes has been completed. It is intended to provide employers and workers with timely information regarding the type of accidents occurring within industry.

You can sign up for free E-mail updates such as the following listing of NI reports by visiting: <http://www2.worksafebc.com/safety/subscribenow.asp>

2005	2006	2007	2008 to Sept 08
34	30	43	35
Date of Accident : 2005-Jan			
A crane operator was preparing a hydraulic truck-mounted crane for travel on snow-covered inclines by moving the removable counterweights from the boom dolly to the crane carrier. When the load was swung towards the side, the crane tipped over.			
Date of Accident : 2005-Jan			
The load line of a hydraulic mobile crane contacted a 14-kV power line when the operator attempted to offload wooden trusses.			
Date of Accident : 2005-Jan			
Pile-driving equipment attached to an 80-ton crawler crane contacted an overhead 60-kV conductor. The leads suspended from the main line contacted the conductor and the charge exited through the crawler tracks.			
Date of Accident : 2005-Jan			
A worker was using a mobile crane whose outriggers had not been deployed. As the worker turned the crane, it became unstable and came to rest at a forty-five-degree angle against an empty flat deck trailer.			
Date of Accident : 2005-Jan			
The upper works of a 55-ton rough-terrain mobile crane broke away from the swing gear while hoisting equipment weighing 42.75 tons.			
Date of Accident : 2005-Jan			
While lifting a form that was stuck, a mobile crane became overloaded and its boom bent.			
Date of Accident : 2005-Jan			
A 440-ton mobile crane was being dismantled before being moved. It was not configured according to the manufacturer's instructions for moving. When the crane started to lean, the crew pulled it ahead to rectify the lean. As the crane was being moved ahead and turned, it started to upset. The crane boom landed atop a 60-ton mobile crane. The operator of this crane was able to get out of the cab and stay under the 60-ton crane until the area was safe.			
Date of Accident : 2005-Feb			
An 80-ton hydraulic mobile crane was placing a diesel generator on the second floor of a building under construction. The crane became unstable and toppled over into the building.			

<p>Date of Accident : 2005-Mar</p> <p>An operator of a truck-mounted crane was unloading wall board, controlling the crane using a radio remote controller. The crane contacted an energized high-voltage power line.</p>
<p>Date of Accident : 2005-Apr</p> <p>A mobile crane's boom contacted an adjacent structure while the crane was being moved over uneven ground. The crane's house had not been secured and its boom had not been stowed.</p>
<p>Date of Accident : 2005-Apr</p> <p>The boom of a 500-ton hydraulic crane had been disconnected in preparation for transport on a flatbed trailer. A 65-ton hydraulic crane was moving the boom (30.5 tons) to the trailer. As the load was being lowered, the smaller crane's main cable broke. The load crashed down onto the flatbed trailer (3-4 feet below), and the three workers that were setting the boom onto the trailer were catapulted off. The main cable of the smaller crane showed signs of abrasion.</p>
<p>Date of Accident : 2005-Apr</p> <p>During log home construction, a mobile crane was being used without outriggers. As the crane swung a hoisted log from the front of the crane to one side, the crane toppled over. The operator was pinned beneath the crane cab.</p>
<p>Date of Accident : 2005-Apr</p> <p>A worker was operating a truck-mounted crane using a radio remote control. The worker was standing on the back of the truck on top of one end of a bundle of 12-foot 2x4s while the crane unloaded a lift of 4x8 sheets off of the 2x4s. The lift of plywood was unstable and several sheets slid free, landing on the opposite end of the 2x4s and causing the worker to fall to the truck deck.</p>
<p>Date of Accident : 2005-Apr</p> <p>The boom of a 22-ton truck-mounted crane failed while lifting two boxes of waler bars.</p>
<p>Date of Accident : 2005-May</p> <p>A 35-ton mobile crane tipped over while lifting a 12-foot-long section of a standing fir tree. The weight of the tree section had been incorrectly calculated.</p>
<p>Date of Accident : 2005-May</p> <p>As a truck-mounted crane unloaded a lift of siding, its boom contacted a 25-kV overhead power line. The boom truck caught fire and a brush fire ignited at the scene.</p>
<p>Date of Accident : 2005-Jun</p> <p>A truck-mounted crane flipped onto its side while performing a lift. The crane's front outriggers had not been deployed.</p>
<p>Date of Accident : 2005-Jun</p> <p>An articulating boom crane used for handling drywall was in the process of stowing the forks in the cradle. The anchor for a boom extension chain failed, causing the boom section to slide out.</p>
<p>Date of Accident : 2005-Jun</p> <p>A truck-mounted crane moved into a position that would allow a second delivery truck to get past. The crane boom contacted a phone line, causing a power pole to break off at the ground.</p>

<p>Date of Accident : 2005-Jun</p> <p>A worker in a work platform attached to the top of a sheet piling wall was struck by the overhaul ball of an 80-ton crawler crane.</p>
<p>Date of Accident : 2005-Jul</p> <p>While a 14-ton truck-mounted crane was unloading trusses, the load line contacted an energized overhead 25-kV power line.</p>
<p>Date of Accident : 2005-Jul</p> <p>During road construction, a partial bridge section was being lifted by a truck-mounted crane. The mounting bolts securing the crane turret to the frame of a picker truck broke, and the crane separated from the truck.</p>
<p>Date of Accident : 2005-Aug</p> <p>A 65-ton hydraulic mobile crane was being used to lift a gluelam beam (8 feet by 32 inches by 6 inches) into place. The beam was lowered through a hole in the roof of the mill and placed. Then the crane's main boom was inadvertently raised instead of lowered. The beam lodged against the mill roof and as the crane continued to pull, the tip section of the crane boom bent at the junction with the next larger section. The attached jib was not damaged.</p>
<p>Date of Accident : 2005-Aug</p> <p>A mobile crane with a rated capacity of 35 tons was lifting a load of sawmill machinery through a roof opening. The crane lifted the load over the front and was swinging the load to the side when the crane tipped over. The load and boom crashed through the roof of the building.</p>
<p>Date of Accident : 2005-Sep</p> <p>Two workers were using a truck-mounted crane with an attached pallet fork to lift a pallet of cultured rock off a truck. The crane suddenly lost its hydraulic pressure, causing the pallet of rock to fall. One worker was crushed.</p>
<p>Date of Accident : 2005-Sep</p> <p>The operator of a 45-ton crane attempted to make a lift on rubber, outside the crane's load radius capacity. The crane tipped onto its side.</p>
<p>Date of Accident : 2005-Sep</p> <p>As a 20-ton crane attempted to swing a barge ramp into position, a front jack stabilizer failed, causing significant damage to the crane.</p>
<p>Date of Accident : 2005-Oct</p> <p>The knuckle-boom extension on a truck-mounted crane broke free from the boom while moving a 2-ton load of materials raised approximately 5 feet above the ground.</p>
<p>Date of Accident : 2005-Oct</p> <p>While lifting a form that was stuck, a mobile crane became overloaded and its boom bent.</p>
<p>Date of Accident : 2005-Oct</p> <p>The driver was injured when a boom truck crane contacted an overhead energized 12-kV power line. The crane truck was working within the limits of approach for overhead high-voltage power transmission lines.</p>

Date of Accident : 2005-Oct

A flatbed truck with an articulating boom crane delivered materials to a construction site. After the delivery, the truck drove away with the boom still extended above it. The boom contacted an overhead telephone line that was attached to a power transmission pole, pulling down the high-voltage power lines. There was no live wire contact with the truck or boom and the circuits locked out when the power lines came down onto the road.

Date of Accident : 2005-Oct

A worker on was on a building, unhooking trusses from a crane, when he fell approximately 20 feet to the ground.

Date of Accident : 2005-Nov

An unauthorized worker moved a 50-ton crane near an unstable bank. The bank collapsed, toppling the crane.

Date of Accident : 2005-Nov

A 25-ton rough-terrain mobile crane was lifting a transfer chain assembly when the load shifted, causing the crane to tip over onto its side. The weight of the transfer chain assembly was more than the capacity of the crane and was not uniformly distributed.

Date of Accident : 2006-Jan

While a 65-ton mobile crane was parked for the weekend, it tipped over when heavy rainfall eroded the soil under its tires.

Date of Accident : 2006-Jan

While removing rigging, a crane operator inadvertently stepped onto a cantilevered beam. The beam tipped and the worker fell approximately 9 feet to the floor below.

Date of Accident : 2006-Feb

A small oilfield building was rigged to be lifted by a 5-ton picker truck (crane truck). The operator applied tension as a second worker removed some bolts from the piping connected to the building. The operator could not see the other worker, who was on the opposite side of the building. When the last bolt was removed, the building began to lift. The worker grabbed the piping in order to control the swing of the building and was lifted off the ground. When the operator saw the worker he was about 10 feet in the air, moments later the worker released his grip and fell to the ground. A signal person is required whenever the operator of a crane is unable to see the rigger/worker.

Date of Accident : 2006-Mar

As the partially assembled boom of a crawler crane was being hoisted, a component at the boom heel section failed. The second of two installed boom sections fell and landed on a front end loader. The manufacturer's assembly procedures had not been followed.

Date of Accident : 2006-Mar

An operator two-blocked a mobile crane, causing the headache ball and rigging to drop to the ground.

Date of Accident : 2006-Apr

As a 25-ton truck-mounted crane unloaded a bundle of wood frame trusses, its load line contacted an energized 14.4kV overhead conductor.

<p>Date of Accident : 2006-Apr</p> <p>The operator of a crane truck was using a pendant control to rotate the vertical boom assembly within the limits of approach of an overhead high-voltage power line. The boom tip contacted the line; fortunately, the operator was able to drop the pendant control before he was injured by electricity traveling along the energized wire to the control</p>
<p>Date of Accident : 2006-Apr</p> <p>The boom of a 17-ton truck-mounted crane was damaged while trying to lift a propane skid.</p>
<p>Date of Accident : 2006-May</p> <p>While a tug crew was securing a floating barge, a mobile crane placed a steel ramp in position to provide access to the barge. The moored barge then moved away from the crane. The ramp, which was still connected to the crane, shifted away from the crane and fell into the water, causing the crane to tip over and land on the pier.</p>
<p>Date of Accident : 2006-May</p> <p>A 30-ton rough-terrain mobile crane was overloaded. It tilted onto its side while unloading 2900 pounds of rebar.</p>
<p>Date of Accident : 2006-May</p> <p>While a truck-mounted crane was unloading trusses, the hoist line contacted a 12.5kV overhead electrical conductor.</p>
<p>Date of Accident : 2006-May</p> <p>As a worker disembarked from the cab of a mobile crane, he fell head first from the cab to the pavement below.</p>
<p>Date of Accident : 2006-May</p> <p>A dual crane lift was underway to remove the rotor assembly from a power-generating turbine. As the full weight of the load (660 tons) was taken by the two cranes, the drive motors on the cranes failed, and the load was dropped back into the turbine rotor support.</p>
<p>Date of Accident : 2006-May</p> <p>A truck-mounted crane was lifting a bundle of trusses off a trailer. The bundle slid sideways and off the next bundle, reached its tipping point, and fell until the lift chain came tight. This produced a shock load to the boom, causing ensile breaks to approximately 20 turret bolts.</p>
<p>Date of Accident : 2006-Jul</p> <p>A mobile crane was hoisting a load of floor joists when the load block was two-blocked (contacted the end of the boom). The load line was completely severed, and the load fell to grade.</p>
<p>Date of Accident : 2006-Jul</p> <p>A 40-ton truck-mounted crane tipped over while lifting structural steel joists to the top of a 2 storey concrete commercial building under construction. The crane operator was ejected from the cab and landed on the ground approximately 10 feet below. The steel joists were left hanging precariously on the top outer corner of the building.</p>
<p>Date of Accident : 2006-Aug</p> <p>A worker helping to erect a two-piece offset fly on a 60-ton hydraulic truck crane was caught between the two swing arms.</p>

<p>Date of Accident : 2006-Aug</p> <p>As a crane lifted a section of pipe, its load line contacted an overhead 25-kV power line.</p>
<p>Date of Accident : 2006-Sept</p> <p>As a mobile crane traveled down a mountain, it encountered loose gravel and lost steering and braking control. The crane veered off the right side of the road and rolled 4 metres down the embankment.</p>
<p>An articulating crane was delivering a pallet load of shingles to the roof of a new home that was under construction. During the lift, the load fell from the forks of the crane. It struck and broke through the roof sheathing and trusses, landing on the floor below.</p>
<p>Date of Accident : 2006-Sept</p> <p>A mobile crane was lowering a dozer boat from a dock into the water approximately 3 metres below the dock surface. The crane tipped, and both it and the attached boat sank into approximately 30 feet of water. The operator surfaced unassisted and swam to the dock.</p>
<p>Date of Accident : 2006-Sept</p> <p>A crane hook separated from the load block while a 9,000-pound section of a vessel was being removed during a maintenance shutdown.</p>
<p>Date of Accident : 2006-Oct</p> <p>A 165-ton lattice-boom truck-mounted crane was lifting a tilt-up panel wall weighing 63,000 pounds. With the panel almost vertical, the boom was lowered to place the panel on the footings. The two outriggers farthest from the panel started to lift off the ground. As the panel fell outwards, the operator lowered the load line to prevent the crane from tipping over. By the time the panel was horizontal on the ground. The crane body had been lifted approximately 45 degrees.</p>
<p>Date of Accident : 2006-Oct</p> <p>During the 10-year complete tear-down of a crane, the employer discovered cracks connecting bolt hole to bolt hole on the mainframe where the turret (swing gear) is mounted.</p>
<p>Date of Accident : 2006-Oct</p> <p>A 20-ton mobile crane was being boomed down to place 2,500 pounds of concrete patio blocks on a rooftop. The operator was unable to maintain the load weight, which resulted in both rear outriggers rising off the ground approximately 15 feet. The boom and jib broke through a parapet wall and came to rest on the roof.</p>
<p>Date of Accident : 2006-Oct</p> <p>Ten sheets of 1/8-inch wood product slid off a crane load, fell approximately 10 metres, and struck a dockside worker. The crane's load had not been secured.</p>
<p>Date of Accident : 2006-Nov</p> <p>As a mobile crane was loading a winch onto a tugboat, the headache ball from the second load line fell and stuck the back of a worker on the tug's deck. It appears that the line was not correctly hooked up.</p>
<p>Date of Accident : 2006-Nov</p> <p>A crane contacted a 13-kV power line while removing structural steel from a sawmill.</p>

Date of Accident : 2006-Nov
A mobile crane was installing a hot tub. It collapsed when an unidentified septic tank cover below the port forward outrigger pad gave way. The boom of the crane struck and injured a worker.
Date of Accident : 2006-Dec
A mobile crane was repositioning a section of wharf at the employer's dry land work area. The crane tipped onto its side, and the operator's hand became trapped between the bent door jam and control panel.
Date of Accident : 2007-Jan
A truck-mounted crane was unloading building materials when the crane forks inadvertently rotated clockwise and struck a worker's head.
Date of Accident : 2007-Jan
A mobile crane was hoisting two concrete lock blocks. The manufacturer's wedge anchors, which anchored the angle-iron lifting eyes to the concrete blocks, failed. The load fell 40-50 feet to grade.
Date of Accident : 2007-Feb
A mobile crane two-blocked and broke the hoist line.
Date of Accident : 2007-Feb
A knuckle-boom truck crane was being used to lift a 6-ton concrete catch basin. The crane was set up beside a 36-foot-deep excavation in an area too narrow for the outriggers to be fully deployed. The employer had provided a load chart based only on the crane with fully deployed outriggers. The crane operator had not been trained to calculate the lifting capacity for the existing set-up nor to recognize that the chart was not valid for that set-up. As the crane attempted to lift the load, it toppled into the excavation, ejecting the operator.
Date of Accident : 2007-Feb
A mobile truck crane placed a structural steel beam in position. After the hoist chain was unhooked, the hook inadvertently snagged the steel beam, which dislodged and fell onto an elevated lift bucket with two workers. The lift tipped and the bucket catapulted 15 feet to the ground.
Date of Accident : Date of Accident : 2007-Feb
A mobile truck crane placed a structural steel beam in position. After the hoist chain was unhooked, the hook inadvertently snagged the steel beam, which dislodged and fell onto an elevated lift bucket with two workers. The lift tipped and the bucket catapulted 15 feet to the ground.
Date of Accident : 2007-Feb
A mobile crane was being repositioned with its boom raised and the load line unsecured. When the operator applied the wheel brakes, the load line swung forward and contacted a 7.2-kV conductor overhead.
Date of Accident : 2007-Feb
A mobile crane was driving back to the storage yard with its boom elevated at approximately 45 degrees. The boom snagged a ground conductor. The ground conductor broke under stress and flew up into the 12.5-kV power line overhead, causing it to short out and break.
Date of Accident : 2007-Mar
As a crane was unloading a sling of rebar near overhead 500-kV power lines, the

tip of the crane's boom contacted the lines. The electrical current travelled through the crane boom, the truck frame, and the slung load of rebar to ground.
Date of Accident : 2007-Mar
The lattice boom of a crawler crane failed during a lift. A section of it landed on the cab of an excavator.
Date of Accident : 2007-Mar
A telescoping boom crane was lifting a section of pipe. As the load was being raised, the anti-two-block device failed and the block spooled up into the sheave. The load obscured the operator's vision, and adequate communication between the rigger on the roof and the operator had not been established before the load was lifted.
Date of Accident : 2007-Mar
The operator of a lattice-boom crane left the cab of the machine with the engine running. He returned to the area approximately 5 minutes later and found that the boom had crept downwards and contacted a nearby steel structure. The contact caused significant damage to the bottom chords and lattice work on the boom.
Date of Accident : 2007-Mar
A crane truck with a rear-mounted boom tipped over while slewing a pallet of shingles. The momentum of the load and 17 degree (30 percent) slope of the driveway contributed to the truck tipping.
Date of Accident : 2007-Apr
A truck crane swung a pallet load of concrete roof tiles into a 25-kV overhead power line.
Date of Accident : 2007-May
A mobile crane was offloading bundles of reinforcing bar from a flatbed trailer to the ground. Two workers were holding the load, which was suspended by two nylon slings. When the crane's hoist line contacted a 14.4-kV overhead power line, the two workers did not sustain any injuries. Electrical fire evidence indicates that the electrical power discharged to ground through an outrigger and pad.
Date of Accident : 2007-May
An articulating crane mounted on a delivery truck was unloading construction materials when it tipped due to inadequate padding at the bottom of the stabilizer pads. The crane sustained structural damage and the truck also sustained some damage. The unit was then sold to another company with no notification of the damage and without re-certification by an engineer.
Date of Accident : 2007-May
As a crane was lowering a lift of roofing materials (300 pounds) from the roof to the ground, its load line contacted a 14.4-kV power line.
Date of Accident : 2007-May
As a truck-mounted crane unloaded building materials at a private residence, its hoist contacted an overhead high-voltage power line. The operator removed the boom from the power line, repositioned the truck, and finished unloading the material.
Date of Accident : 2007-Jun
An articulating boom crane was offloading construction material when it tipped onto its passenger side. The passenger-side outrigger had not been deployed fully horizontally.

<p>Date of Accident : 2007-Jun</p> <p>A truck-mounted crane had just delivered roofing material. As it attempted to move away, the boom, which had not been stowed, hooked overhead power lines servicing the house under construction. The driver saw sparks, stopped the vehicle, and waited inside the cab until utility crews arrived.</p>
<p>Date of Accident : 2007-Jul</p> <p>A mobile crane was swinging to pick up reinforcing steel when it contacted an energized high-voltage power line.</p>
<p>Date of Accident : 2007-Jul</p> <p>The boom of a truck-mounted crane was not properly cradled. It hit overhead communications lines, which pulled over at least two power poles. In turn, energized 25-kV power lines came down.</p>
<p>Date of Accident : 2007-Jul</p> <p>As a 20-ton mobile crane was lifting a load (approximately 20 sheets) of oriented strand board (OSB), its lifting cable snapped. The load fell approximately 40 feet to the ground.</p>
<p>Date of Accident : 2007-Jul</p> <p>A 600-pound, 23-foot-long iron beam was being installed to create a temporary hoist platform for a dehumidifier. The beam was lifted into position and secured at one end with a single steel bolt (3/4 inches in diameter). The bolt was the only means of support while the unattached crane was repositioning to lift the other end for fastening. The bolt sheared, and the beam fell approximately 45 feet. One end of the beam punctured a hole in the concrete below.</p>
<p>Date of Accident : 2007-Jul</p> <p>An operator was travelling a crane back to a central location after its boom had been disassembled. The crane contacted the ground wire associated for low-voltage power lines, creating an electrical arc.</p>
<p>Date of Accident : 2007-Jul</p> <p>A worker sustained electrical burns when the conveyor boom on a delivery truck contacted an energized overhead 25-kV power line. The conveyor was raised higher than it usually was.</p>
<p>Date of Accident : 2007-Aug</p> <p>A rubber-tracked crawler crane was working from a barge, placing buoy anchors in a lake. The crane slipped off the barge and sank in approximately 25 feet of water.</p>
<p>Date of Accident : 2007-Aug</p> <p>A conventional crane was placing an extracted pile on the deck of a barge. The load cell unit affixed to the jib of the crane broke away from the boom. The load cell unit fell 75 feet, striking a worker who was placing dunnage for the extracted pile. Components used to mount the load cell on the crane were job-built, not supplied by the manufacturer.</p>
<p>Date of Accident : 2007-Aug</p> <p>A flatbed truck equipped with a crane was delivering a transformer to a work site for installation. Once the transformer was unloaded, the truck drove off the site without fully retracting the crane's boom. The elevated boom contacted communications lines, snapping off the pole at the butt.</p>

Date of Accident : 2007-Sep
A boom truck was moved while its boom was in a raised position. The boom contacted and pulled down an energized overhead 120-volt power line.
Date of Accident : 2007-Sep
A 30-ton mobile crane was loading the counterjib section of a tower crane onto a flat deck trailer when a component of the mobile crane failed. The mobile crane flopped over, trapping the operator inside its cab.
Date of Accident : 2007-Sep
The load line of a 22-ton mobile crane hit a 24-kV overhead power line.
Date of Accident : 2007-Sep
As the boom of a mobile crane was being extended, its whip line was two-blocked. The whip line cable broke and the headache ball fell to the deck of the truck being unloaded, narrowly missing the rigger.
Date of Accident : 2007-Sep
A 100-ton conventional crane truck contacted overhead 60-kV power lines that crossed the highway.
Date of Accident : 2007-Sep
A 100-ton truck-mounted hydraulic crane tipped over while placing a 500-pound pump in a settling pond.
Date of Accident : 2007-Oct
As a truck-mounted crane with a telescoping boom hoisted trusses, it two-blocked. The hoist line was damaged.
Date of Accident : 2007-Oct
A truck-mounted crane was delivering construction materials. It was being operated by remote control by a worker on the balcony of a second-storey condo. The load of materials was not centred. It slipped off the forks and damaged the bottom two tiers of a 5-tier-high scaffold. Another worker was on top of the scaffold when the incident occurred. This worker was outside of the guard rails but was tied off to a fall protection system.
Date of Accident : 2007-Oct
The boom of a 20-ton mobile crane was fully extended and resting on blocking to allow the operator to check the main boom pin. He then raised the boom and retracted it. The block got stuck. Without fully deploying the outriggers, the operator tried to swing the boom slightly to the side. The boom exceeded the balancing point and the crane tipped over.
Date of Accident : 2007-Nov
During residential framing, an articulating boom crane was placing a glue-laminated beam on two wood columns. The crane's load-side outrigger had been placed on the lid of a catch-basin. As the crane hoisted the heavy beam, the outrigger punched through the lid. The crane tipped, injuring the operator.
Date of Accident : 2007-Nov
The operator of a 40-ton picker truck was lifting and dragging a wooden mat (approximately 9 feet by 40 feet) across a lease. As the operator attempted to move the mat, the crane boom collapsed above the first cylinder.

Date of Accident : 2007-Dec

A tandem-axle crane truck was loading prefabricated log home panels with the boom extended approximately 52 feet. When the boom was swung 15 feet, the lifting cable contacted a 25-kV overhead power line.

Date of Accident : 2007-Dec

Young worker (ages 15-24)
More than 2 years' experience at this task

A truck-mounted crane was placing a 25-foot-high tree in a prepared hole. The ground around the hole shifted, causing the tree to tip over onto the ground. A branch of the tree struck a young worker who was releasing the restraint straps above the root ball, and he fell to the ground (approximately 10 feet).

Date of Accident : 2007-Dec

A truck with a crane and trailer combination was transporting two excavators. The boom of one excavator struck the upper superstructure of a metal bridge. Both excavators were ripped from the trailer, the bridge was severely damaged, and a series of collisions occurred among vehicles.

Date of Accident : 2008-Jan

An 18-ton mobile crane tipped forward while installing a pile rebar cage in a caisson. The crane stopped in a vertical position with the boom preventing further forward movement.

Date of Accident : 2008-Jan

Young worker (ages 15-24)
A mobile crane was lowering a load from a bridge deck to the platform below when it partially fell off the bridge deck. The operator (a young worker) sustained fatal crushing injuries.

Date of Accident : 2008-Jan

Two tugboats were being used to position and hold a barge with a pile-driving crane rig. The barge was not equipped with stakes or anchors to secure it in place while driving the piles. One of the tugboats became wedged between a pile and the barge. The strong river current pulled the starboard bow of the tugboat down into the river until the tugboat flipped completely upside down in approximately 9 feet of water. The tugboat operator's survival suit caught on a piece of equipment, trapping him inside the wheelhouse. He was eventually able to free himself and get to the surface, where he was retrieved by the rescue boat.

Date of Accident : 2008-Jan

A truck-mounted crane was unloading roofing materials at a job site. The loading forks (attached to the lift line hook) inadvertently contacted an overhead 25-kV conductor.

Date of Accident : 2008-Feb

A crane truck was lifting an articulated boom crane for mounting on the back of a flat-deck truck. As the crane was lifted, it shifted to one side within the rigging so it was lowered back to the ground. As the rigging was re-adjusted, the articulated boom crane tipped over. The worker who was adjusting the rigging was pinned against the rear bumper of the flat-deck truck.

Date of Accident : 2008-Mar
A 22-ton truck-mounted hydraulic crane was attempting to lift a horizontal fuel tank (weighing 34,000 pounds) off a low-bed truck trailer. The bolts holding the crane turntable broke and the boom came down on the fuel tank.
Date of Accident : 2008-Mar
A truck-mounted crane was offloading plywood onto a cedar-shingle roof. As the plywood was being stacked on top of a pallet of shingles, the shingles slid down the roof. The sliding shingles hooked the vertical lifelines belonging to two workers and detached the roof anchor to which both workers were attached. The workers were pulled off the roof and fell just over 16 feet to the ground.
Date of Accident : 2008-Apr
A crawler crane backed into construction equipment, causing extensive damage.
Date of Accident : 2008-Apr
A prefabricated rebar cage for a bridge pier column was pulled over onto the crane gantry when the crane backed into and broke the temporary supporting guide wires.
Date of Accident : 2008-Apr
A low bed truck was transporting a 50-ton rough-terrain mobile crane in a highway construction zone. The top of the crane's stowed boom contacted a flagged telecommunications line that diagonally crossed the highway. On one side of the road, the line was attached to a temporary pole supported by a new pole. The contact between the line and the boom caused the temporary pole to fail, and the telecommunications lines fell onto the roadway.
Date of Accident : 2008-Apr
A 30-ton truck-mounted crane tipped over while attempting to place a bundle of rebar (weighing 1,900 pounds) on a suspended slab deck form.
Date of Accident : 2008-May
As a mobile crawler crane was being dismantled, some welds on a homemade adapter failed. Side-loading had occurred when two unsecured pins (no cotter pins) backed off, allowing the plates on the adapter to spread. The steel "bridle" fell onto the house of the crane, deflected to the back of the crane, then fell to the ground. One worker became entangled in the cable and was pulled down onto the detached 15-ton counterweight and then to the ground about 12 feet below.
Date of Accident : 2008-May
The boom of a 220-ton crawler crane contacted the jib of a self-erecting tower crane.
Date of Accident : 2008-May
An engineered below-the-hook lifting device failed as a crane was lifting the dock end of a barge loading ramp. The loading ramp dropped 3 to 4 feet and came to rest on the concrete edge of the dock.
Date of Accident : 2008-May
During the repair of a mobile crane at a log infeed pond, the hydraulic system was inadvertently activated. The boom lifted, striking a thermal oil pipe in the ceiling of the facility. Hot oil sprayed over the area, producing heavy smoke and burning one worker.

<p>Date of Accident : 2008-May</p> <p>Young worker (ages 15-24) A young worker was hooking a beam to a mobile crane. He had attached one strap to the crane and was trying to attach the other strap when the beam lifted, causing the worker to fall about 8 feet.</p>
<p>Date of Accident : 2008-May</p> <p>A worker was hanging precast concrete panels. He was holding on to a steel stud in the building that had become energized by a bare cable from a welding machine. When the worker grabbed the chains hanging from the crane, he became grounded and sustained an electrical shock.</p>
<p>Date of Accident : 2008-Jun</p> <p>A 20-ton rough terrain crane was unloading ventilation components from a truck. The crane's outriggers had been lowered but not extended. As the crane was placing a load weighing 1,100 pounds on the ground, the crane became unstable and tipped over. A nearby worker had to dive out of the way to avoid being struck.</p>
<p>Date of Accident : 2008-Jul</p> <p>A mobile crane truck tipped over as it placed a load of lumber in a homeowner's backyard. The crane operator was pinned between the truck and a fence that was knocked down during the incident.</p>
<p>Date of Accident : 2008-Jul</p> <p>An articulating crane truck was installing a large construction notice sign beside the road. The crane's boom contacted a 14.4-kV power line overhead.</p>
<p>Date of Accident : 2008-Jul</p> <p>A 35-ton mobile truck crane tipped over during a lift. The crane boom crashed through both the wood-frame building under construction and the roof of the car wash next door. The load (a prefabricated bachelor suite, complete with floor, walls, windows, and patio door) was reduced to a pile of rubble when it landed in the parking lot between the two buildings.</p>
<p>Date of Accident : 2008-Jul</p> <p>During transportation, the boom and rigging of a truck-mounted crane were attached to the load. At the unloading site, before the operator could deploy the outriggers, the load was pulled off the truck deck. The crane and truck flipped onto one side.</p>
<p>Date of Accident : 2008-Jul</p> <p>A 110-ton track-mounted mobile crane was lifting a piece of equipment weighing about 8 tons. The raised boom travelled past a critical angle into the backstops, and the crane tipped backwards. The 100-foot-long lattice boom landed on a busy highway.</p>
<p>Date of Accident : 2008-Jul</p> <p>A worker pulled on a limit switch on the boom of a rubber-tired crane. The boom section moved, and the worker was unable to withdraw his hand quickly enough.</p>
<p>Date of Accident : 2008-Jul</p> <p>A mobile (bull moose) crane was lifting a manufactured steel product weighing about 2 tons. During the lift, the front rigging chains were positioned outside the bowl of the hook and slipped off the hook. The product fell 3 feet to the ground, narrowly missing workers.</p>

Date of Accident : 2008-Jul
A truck-mounted crane tipped onto its side while moving a 600-pound hot tub. The crane's outriggers had not been deployed.
Date of Accident : 2008-Jul
A crane on a barge was picking up an aerial lift from the dock to move it onboard the barge. A worker noticed that the aerial lift's basket was impeded by a piece of equipment on the dock and worked to free it. When the basket suddenly came free, the aerial lift pivoted on the rigging and the basket started to rise with the worker hanging on. The worker fell to grade when the basket was 35 feet in the air.
Date of Accident : 2008-Jul
A crane used for pile driving was moving metal pilings. The pilings struck a barge, causing the main crane boom to fail and land in the lake.
Date of Accident : 2008-Aug
A worker was rigging wooden trusses for crane delivery when he fell from a flatbed trailer to the ground (about 5 feet).
Date of Accident : 2008-Aug
A customer (non-worker) brought a vehicle loaded with metal to a salvage business. The customer was assisting a crane operator to unload the vehicle when a piece of metal shifted and struck a second piece of metal lying on the ground. The second piece of metal sprang up and struck the customer.
Date of Accident : 2008-Jul
Slings were being rigged to offload a 530-pound parallel strand beam (34 feet long, 2 feet wide, 9 inches thick) from a flatbed semi-trailer. The unstable beam fell and struck a worker. At the time, the beam was not suspended, nor was the crane boom being operated.
Date of Accident : 2008-Aug
During residential framing, the jib of a 30-ton mobile crane folded over backwards.
Date of Accident : 2008-Aug
A rough-terrain crane had its boom deployed in the radius of an overhead tower crane. When the tower crane's boom moved into the quadrant of the rough-terrain crane, the two booms made contact.
Date of Accident : 2008-Sep
A mobile crane with its boom extended 90 feet tipped over while lifting a load.
Date of Accident : 2008-Sep
A mobile crane was set up on a street so it could unload reinforcing steel from a flatbed truck. A transit bus hit the crane's counterweight.