

FY '15 Rigging Accident Near Miss Summary



<i>NCC Report #</i>	<i>Acc Date</i>	<i>Crane Type</i>	<i>CAT</i>	<i>Accident Type</i>	<i>LOH</i>	<i>Description</i>	<i>Cause</i>
15-RANM-001	10/8/2014			Near Miss		A swivel hoist ring being used to facilitate inverting a load bound up on the load and would not rotate.	Procedural Failure
15-RANM-004	10/11/2014			Near Miss		Work schedule delays were experienced when pre-existing shipboard lagging damage was not identified until after the installation of a shipboard component.	Inadequate Job Planning
15-RANM-002	10/15/2014			Near Miss	Y	Unapproved rigging gear was incorrectly used over the blades of a forklift to lift a bridge support section. Follow-up investigation revealed that this incorrect rigging technique is part of the bridge training curriculum.	Improper Operation
15-RANM-005	10/30/2014	HOIST		Near Miss		The hoist control handle brackets for a portable floor crane failed during hoisting of a load. Investigation revealed that the handle brackets were poorly designed. The activity is developing a WHEDR to report the design flaw.	Inadequate Component Design
15-RANM-003	11/4/2014			Near Miss		Fasteners on the body of a ready for use one ton chain fall were found loose.	Inadequate Rigging Inspection
15-RANM-006	11/5/2014			Near Miss		A lubrication line on a motor was damaged when a rigger's hand slipped off the motor casing and struck the line while the motor was being moved in-hull on a material dolly.	Improper Operation
15-RANM-015	11/15/2014			Near Miss		An unlicensed employee was preparing to make a lift using a category 3 crane with an unapproved sling to handle the load.	Inadequate Supervision
15-RANM-016	11/19/2014			Near Miss		Lifts of aircraft engines were being made where the estimated weight of the engine lift equaled the SWL of the rigging gear being used.	Improper Operation
15-RANM-009	12/2/2014			Near Miss		A rigged shipboard load lacked the necessary chaffing material to prevent damage to critical components.	Inadequate Chaffing
15-RANM-010	12/4/2014			Near Miss		During chain fall operation, the load chain (non load side) contacted the anchor pin causing damage to the side plate. The anchor pin dislodged while removing the hoist. WHEDR submitted, ISE investigating. NCC Safety will issue WHSB.	Improper Operation
15-RANM-008	12/8/2014			Near Miss		A welder was welding on a component suspended from a category 3 crane without proper electrical grounding.	Procedural Failure
15-RANM-012	12/16/2014			Near Miss		During removal of a condensate pump, the ships overhead pipe lagging was damaged and the pumps discharge line was slightly gouged when the hook of a support chain fall dislodged protective chaffing material from the pump.	Improper Rigging

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15-RANM-019	12/20/2014			Near Miss		The hook of a chain hoist was connect directly into the top of an electrical cabinet (no sling was used) during handling of the cabinet shipboard.	Improper Rigging
15-RANM-017	1/6/2015			Near Miss	N	Rigging gear used to suspend a hydraulic control cylinder in a submarine sail was pinned against ship's equipment when the hydraulic cylinder was accidently powered up. The rigging gear and cylinder were not damaged.	Procedural Failure
15-RANM-018	1/7/2015			Near Miss		During and activity surveillance, expired rigging gear was found being used and in the ready to issue area of the gear room.	Inadequate Rigging Inspection
15-RANM-051	1/12/2015			Near Miss	N	A pendant was improperly used to attach a test weight during a shop load test.	Improper Rigging
15-RANM-011	1/13/2015	MULTI-PURPOSE MACHINE		Near Miss	Y	During activity checks of an excavator to be used to hoist a trench box, a shackle that did not meet ASME B30.26 was identified in the rigging.	Inadequate Rigging Inspection
15-RANM-013	1/14/2015			Near Miss		The outer cover of a synthetic sling was found damaged during a gear room inspection.	Inadequate Rigging Inspection
15-RANM-021	1/14/2015			Near Miss		Shipboard riggers nearly bent a section of ship's piping when they hand lifted a pump into position rather than readjusting rigging gear that supported the pump.	Improper Rigging
15-RANM-020	1/20/2015			Near Miss		Fastener holes on a bolting plate sling assembly were modified without proper engineering approval. The bolting plate sling was not used for lifting.	Procedural Failure
15-RANM-022	1/21/2015			Near Miss		Shipboard riggers were preparing to drift a load using a rigging arrangement that would have placed a side pull on a shipboard pad eye.	Improper Rigging
15-RANM-024	1/23/2015			Near Miss		During removal of staging pipes from a lower level ship deck, the end of the stage pipes almost contacted the bottom of the chain bag of the chain hoist being used in the removal.	Improper Rigging
15-RANM-039	1/27/2015	MONORAIL	3	Near Miss	Y	The safe working load (capacity) of an engine sling was found to be just below the actual weight of the engine. During the engine lift there is the potential of binding which could cause the an overload on the sling.	Procedural Failure
15-RANM-034	2/3/2015			Near Miss		During lift preparations to remove an arresting gear pulley using a forklift. the following deficiencies were identified: the lifting eye bolt was improperly installed, the eye bolt would have been loaded at an unacceptable angle, the synthetic sling to be used failed a visual inspection and the rigging gear was to be placed over the tines of the forklift in violation to manufactures requirements.	Improper Rigging
15-RANM-027	2/6/2015			Near Miss		A wood block being used as chaffing material, to rig a shipboard pump, split in half and fell to the deck .	Inadequate Chaffing

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15-RANM-028	2/6/2015			Near Miss	Y	Activity oversight personnel observed cumbersome rigging techniques and made suggestions to improve the process.	Improper Operation
15-RANM-025	2/10/2015			Near Miss		A chain hoist hook was attached as a hold back on a valve in a manner that would have resulted in point loading of the hook.	Improper Rigging
15-RANM-026	2/11/2015	MOBILE	1	Near Miss	Y	A mobile crane's whip hoist wire rope was found with an excessive amount of dead wire rope (pigtail) above the wedged socket connection. Additionally, the excessive wire was seized and taped which prevented the ability to perform a visual inspection.	Inadequate Equipment Inspection
15-RANM-029	2/11/2015	MULTI-PURPOSE MACHINE		Near Miss	Y	Four uncertified ratchet hoists were found in use (load suspended) on an activity's pole truck.	Inadequate Rigging Inspection
15-RANM-023	2/12/2015			Near Miss		A out of certification drum lifting device was found to have had unauthorized modifications to the lift chain.	Inadequate Maintenance
15-RANM-058	2/18/2015			Near Miss		A propeller being removed by divers un-expectantly slide down the shaft when slack was placed in a hold back prior to the primary chain hoist being tensioned.	Improper Rigging
15-RANM-035	2/23/2015			Near Miss		The load brake on a one ton chain hoist would not hold the load. Investigation determined that foreign material (canvas used as chaffing material) had entered the chain hoist body by attaching itself to the load chain during use and prevented the brake from fully engaging.	Inadequate Equipment Inspection
15-RANM-047	2/23/2015			Near Miss		During shipboard rigging work to remove a strainer, the rigging gear was attached in a manner that resulted in contact with a pipe, and would have caused stress on the pipe.	Improper Rigging
15-RANM-048	2/23/2015			Near Miss		A chain hoist being used to remove a condensate pump contacted lagging when the rigger monitoring the load clearance was distracted.	Improper Operation
15-RANM-040	2/24/2015			Near Miss		Uncertified rigging gear was used to connect auxiliary test weights to the main test weight for testing a shipboard component.	Inadequate Rigging Inspection
15-RANM-033	2/25/2015			Near Miss		Shipboard beam clamps would have been side loaded if used in the existing configuration during component installation.	Improper Rigging
15-RANM-037	2/25/2015			Near Miss		During rigging work to relocate a shipboard valve, a rigging general foremen identified that chaffing material used to protect slings on the valve was inadequate.	Inadequate Chaffing
15-RANM-049	2/25/2015			Near Miss		Chaffing material was not being used to protect rigging gear during removal of a shipboard valve.	Inadequate Chaffing

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15-RANM-041	2/26/2015	MULTI- PURPOSE MACHINE		Near Miss	N	An unauthorized modification was made to a floor crane chain hoist when maintenance personnel replaced the manufacturer's hook and hoist chain without approval.	Inadequate Maintenance
15-RANM-050	2/26/2015			Near Miss	N	A pendant was improperly used to attach a test weight during a shop load test.	Improper Rigging
15-RANM-042	2/27/2015			Near Miss		Improper chafing material was installed on two shipboard rigging points. The chaffing material selected (canvas) was not durable enough to protect the rigging gear from the sharp edges on the ship structure.	Inadequate Chaffing
15-RANM-044	3/5/2015			Near Miss		A chain hoist rubbed against lagging during the removal of a motor generator when the hold back lashing for the motor was not tight enough to prevent contact with the lagging.	Improper Rigging
15-RANM-030	3/7/2015			Near Miss		During the pre-lift rigging gear inspection, a lift beam was found to be missing manufacturing information or a working load limit .	Inadequate Rigging Inspection
15-RANM-036	3/7/2015			Near Miss		During in-hull rigging to relocate a hydraulic accumulator, the brake of a 1 1/2 ton chain fall slipped during tensioning (hoisting).	Inadequate Equipment Inspection
15-RANM-053	3/9/2015			Near Miss		Chafing material was not being used to protect rigging gear during shipboard work to remove a strainer.	Inadequate Chaffing
15-RANM-060	3/9/2015			Near Miss		An incorrect number of wire rope clips were used on holdback lashing during shipboard rigging work to relocate a component.	Improper Rigging
15-RANM-045	3/10/2015			Near Miss		While relocating a shipboard storage box on the dolly, the storage box shifted slightly because it was not adequately secured for travel.	Improper Rigging
15-RANM-052	3/11/2015			Near Miss		A beam clamp installed in the overhead for removal of ship equipment was found to be skewed/uneven due to being installed incorrectly.	Improper Rigging
15-RANM-054	3/17/2015			Near Miss		Shipboard pad eyes were not adequately evaluated for potential side loading that would have been applied during removal of electrical components.	Inadequate Job Planning
15-RANM-065	3/20/2015			Near Miss		A shipboard beam clamp with inadequate WLL to handle the planned load was installed and ready for use.	Improper Rigging
15-RANM-043	3/21/2015			Near Miss	Y	Incorrectly installed safety hoist rings were used to install and remove a shipboard cradle assembly.	Improper Rigging
15-RANM-056	3/24/2015	MULTI- PURPOSE MACHINE		Near Miss	N	Uncertified electrical equipment lifting devices and associated lifting adapters (yolks) utilized in removal/reinstallation of circuit breakers were found available for use at various substations.	Inadequate Equipment Inspection

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15-RANM-046	3/30/2015			Near Miss	N	A sonar dome was damaged when temporary rigging gear (pad eyes) were not removed after dome installation allowing contact of the pads and dome to occur during the final bolt up phase.	Improper Rigging
15-RANM-063	4/4/2015			Near Miss		During maintenance checks, a chain hoist used in a jack stand assembly was found suspended without the appropriate shackle.	Procedural Failure
15-RANM-055	4/13/2015	MULTI-PURPOSE MACHINE		Near Miss		Uncertified traveling overhead lift devices (23 total) and associated lifting adapters (yolks) utilized in removal/reinstallation of circuit breakers were found available for use.	Inadequate Equipment Inspection
15-RANM-061	4/15/2015			Near Miss		Rigging gear (slings) were placed over the blades of a forklift to lift a work box.	Improper Rigging
15-RANM-067	4/16/2015			Near Miss		A hydraulic de-surger chamber was incorrectly rigged in the overhead due to an excessive bend (90 degrees at the swage) in the wire rope lashing.	Improper Rigging
15-RANM-059	4/17/2015			Near Miss		Rigging gear used for electrical overhead line repair was found not in compliance with P-307 requirements.	Inadequate Rigging Inspection
15-RANM-064	4/19/2015			Near Miss		While removing a propeller from a ship in dry-dock, it was determined that improper wire rope was used during the installation of the new wire rope on the winch drum.	Improper Rigging
15-RANM-069	4/19/2015			Near Miss		Rigging gear being used to remove a shipboard motor was routed across ship ventilation exposing the systems duct work to damage.	Improper Rigging
15-RANM-066	4/22/2015			Near Miss		Fairlead chains for handling a mockup assembly were installed with a twist in the load chain.	Inadequate Rigging Inspection
15-RANM-068	4/28/2015	MULTI-PURPOSE MACHINE	1	Near Miss	Y	While positioning a steel beam suspended from a multi-purpose machine, a tack weld on the beam failed allowing one end of the beam to become imbalanced. Submitted as CANM, NCC determined to be a RANM.	Inadequate Rigging Inspection
15-RANM-071	4/29/2015	HOIST		Near Miss	Y	While lowering a component via chain hoist, through a potential binding area, the component hung up resulting in the loss of weight of approximately 250 lbs. This action violated the procedures lower control limit weight of 100 lbs..	Improper Operation
15-RANM-070	5/1/2015			Near Miss		The procedure weight of a component was exceeded when the user reported that a component was free to lift when it was still partially attached. No overload of equipment or gear resulted from this error.	Improper Operation
15-RANM-073	5/7/2015			Near Miss		While lowering a load through a potential binding condition using a chain hoist, the load reading on the LID was lower than expected. All work was stopped and the condition was reported to the shift engineer.	Improper Operation

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15-RANM-072	6/3/2015			Near Miss		Damage to a link on the pull chain of a chain hoist was identified during inspection. The chain hoist operated satisfactorily, but damage was believed to have been caused by a forklift.	Inadequate Rigging Inspection
15-RANM-074	6/9/2015			Near Miss		The unused load chain for an air hoist was piling up on the edge of the chain storage bag during hoisting.	Improper Operation
15-RANM-075	6/11/2015			Near Miss		During rigging work to remove a cover from a shipboard condenser, a fastener on the cover was inadvertently left attached.	Poor Risk Mitigation
15-RANM-076	6/17/2015			Near Miss		A fastener was inadvertently left installed during an attempt to rig out a shipboard hydraulic ram assembly from the torpedo room.	Improper Rigging
15-RANM-077	7/2/2015			Near Miss		Riggers attempted to lift a component while a fastener was still installed; the lift was paused when the rigger noticed the load was not moving as expected.	Inadequate Inspection of Load
15-RANM-078	7/2/2015			Near Miss		Personnel were removing a component with a lifting tool and chain hoist when a safety cotter pin became unlatched during hoisting of a component through a containment sleeve.	Inadequate Component Design