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Welcome to the Hard Hat Training Series!



Welcome to the Hard Hat Training Series. Today, we will talk about safe rigging principles. We will give you the knowledge and skills that will prepare you to be a safer operator and rigger-signal person.





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In our highly-mechanized world, cranes are the workhorses that have increased economic growth and productivity in construction, mining, logging, maritime, production, and service facilities. It is not uncommon while driving in urban areas to see mobile cranes, tower cranes, and maritime cranes all in a short period of time performing a wide variety of jobs.



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Cranes are versatile machines that can be used for many job applications from loading and unloading materials to placing those materials or personnel up to heights hundreds of feet high. Many are mounted on truck beds and can move between job sites at highway speeds carrying payloads in excess of 15,000 pounds.



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Tower cranes dot the skyline in industrial and urban areas. Because they are high profile, they tend to attract the most attention when something goes wrong.





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Overhead cranes are used in most manufacturing plants and are the most numerous. They can be as simple as an electric hoist on a trolley on an I-beam or multiple hoists on a bridge crane that spans the whole facility. Outdoors, they come in the form of rubbertired gantries or a-frame gantries on rails.

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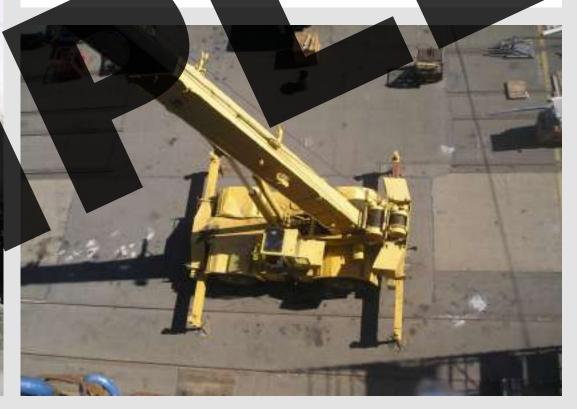
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As you can see, cranes come in all sizes — from large all terrain cranes used to lift loads in excess of 75 tons to smallcapacity utility truck cranes used for lifting much smaller loads. This training is not intended for any specific crane; rather, it is a wide base of information to draw from.







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The goal today, then, is to review the principles of stability as they apply to cranes. We will also discuss what load charts are and how to read them. You will complete some exercises to ensure you fully understand how to properly utilize load charts.





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Next, we'll teach you about rigging equipment and safe rigging principles. Then we'll move on to safe operations, where you will learn about safe work habits that can keep you safe on the work site.





INTRODUCTION	STABILITY	LOAD CHARTS	RIGGING I	RIGGING II	SAFE OPERATIONS	CONCLUSION
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					es have additional stand ral, local, and company	

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apply to your job site.

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Why Training?

No matter the situation, it is common to hear workers and even employers ask, "Where does it state we need to be trained?" Can't a worker also be deemed "qualified" based on experience? The answer is "no." Experience helps, yes, but regulations are very clear that employees must be trained (no matter how long they've been on the job) and that it is the employer who is responsible for overseeing that safety training, ensuring employees have the understanding, knowledge, and skills needed to operate safely.



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Initial training and refresher training, as well as any written and practical evaluations, must be Completion Certificate of Completion documented and filed. At the very least, Certificate of THES CREATINGS IN VERIFICS THAT. employers need to show proof of proper and THIS CHICKNE PARENTS THAT ARTHUR LEE HAS SUCCESSIONLY COMPLETED THE OVERHEAD CRANE OPERATOR SAFET TRANSPORT ARTHUR LEE consistent training (in the way of training PLAT SUCCESSFULLY COMPLETED THE APRIAL LIFT OPERATOR SAFETY TRAINING HD IT outlines, class lists, training goals, tests, THE TELENDAL WAS CONDUCTED BY INC SAFETY PROVISIONS ertificates, and so on.) These documents should UNID MU Certificate of Completion COLUMN THE . nclude the name of the person who taught the THIS CERTIFICATE SERVICES THAT ARD A --class or conducted the evaluation. ARTHUR LEE HAS IN COMMITTING COMMITTING EXCANDED OPEDATOR SALES Certificate 6 7148.1997 THIS CHITIFICATE ! SAFET ARTHUI MODILE CRANE OF LIANO THE TRAINING WAS C PROVIS SAFETY PRUT 0442/26 and the second PROVISION ETY SAFETY НАТ ADVANCED **PROVISIONS**, inc. Copyright Safety Provisions, Inc.

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WORKERS MUST RECEIVE REFRESHER TRAINING WHEN...



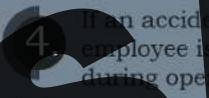
There are changes in their assigned duties.



There are changes regarding potential exposure to hazards, for which the employee has not received training.



If any deficiency has been noted in employee's work performance that related to the safety and health of themselves or other workers.



Note: In some areas, refresher to

it has occurred, or anythine an injured or nearly injured

required at least every three years (if not sooner).



Training is not just a one-and-done occurrence; it is ongoing. In fact, training should take place whenever there is a demonstrated need for it. We have listed several instances when refresher training would be required. Can you think of any others?



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The extent of training will be determined by the employer, but at the very least it should include classroom instruction followed by a written and practical examination that prove continued competency.



