



Crane Certification Association of America

CCAA NEWSLETTER

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The CCAA is going to Tulsa, OK

CCAA 2018 Spring Educational Conference in Tulsa, OK March 18 - 20, 2018

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KINGSTOWN

CCAA The Future of Crane Safety

Letter from the President

By: Donald O'Rourke
National Crane Services



Greetings Members:

It has been nearly three years since I was elected President of the CCAA. It has been a privilege and an honor to serve this Association. We have accomplished a lot in the last three years, but there still is plenty of work remaining. This is your Association and it needs your help. Please get involved.

We met in February 2017 for our Spring Educational Conference in Orlando, FL. We had a great line up of speakers. The Monday night banquet dinner was held at Planet Hollywood. It was a great time. I would like to thank Bruce MacPherson, Chairman of the Conference Planning Committee, and his committee members for their tireless efforts in the planning and coordination of the Educational Conferences. The conferences would not happen without his continuous work and support of the CCAA. Thanks Bruce.

The 2018 Spring Educational Conference will be held in Tulsa, OK on March 18-20, 2018. There will be two factory tours and training: one at Crosby and the other at PACCAR Winch. Again, Bruce has done a superior job at setting up another great line up of speakers. Plan to attend this conference.

The Board of Directors has decided to put a 1 year moratorium on the CCS program. The CCS program needs to be rewritten and the scope of the program expanded. It is my belief that the CCS program needs to be a full training and testing program complete with training materials, videos, presentations, and testing for 3 different levels of surveyors. The CCS committee is working on establishing the parameters for this program.

In the near future the CCAA will start a program to define different categories of crane inspections. The crane industry has defined some of these inspections, but not clearly. At the upcoming 2018 Spring Educational Conference in Tulsa, we will be presenting Part One in a series of presentations to define these inspection categories. It is the hope that an official CCAA document can be developed to define these inspection categories. We are the crane surveyors and we know what categories are important to include in an inspection. Our goal is for these documents to be accepted as the inspection standard for the crane industry.

In the weeks to come new Executive Officers will be elected and my term as President will end. I would like to thank you for the opportunity to serve and guide the CCAA for the last 3 years. I wish the new Officers the best, and will continue to support the CCAA in the future.

Best Regards,



Thank You

2017 Spring Educational Conference Sponsors



AmCrane



CAIRO MARINE SERVICE, INC



CCAA 2017 Spring Educational Conference Orlando, Florida

Leisure and Learning in Orlando, FL – Spring 2017

The Winter months can be long and cold. Early in February, Punxsutawney Phil had already predicted six more weeks of winter after seeing his shadow. It only seemed fitting that the CCAA flew south and met in the Sunshine State for leisure and learning.

A warm welcome awaited all who attended the Crane Certification Association of America – Spring 2017 Educational Conference in Orlando, FL - Feb. 26-28. The Conference Planning Committee chose an excellent hotel and meeting location. The beautiful, B Resort & Spa was conveniently located within short, walking distance to the amazing Disney Springs, a themed retail, dining and entertainment center.



The leadership got down to business early on Sunday afternoon and convened for several hours in the boardroom. Everything from membership to monthly cash flow was discussed as the working committees presented updates of association business and developed strategic plans. This dedicated group of individuals worked tirelessly on behalf of the membership to ensure a bright future for the CCAA. The group emerged from the boardroom eager to relax and enjoy the evening.



A turnout of over fifty attendees including guest speakers, members and their spouses were greeted with an informal, Welcome Reception Sunday evening. The gathering was a great opportunity to meet and network with new and familiar faces in the relaxed atmosphere. Members and their spouses were introduced to one another amid the friendly crowd who enjoyed fellowship, drinks and hors d'oeuvres. As one might expect, discussion of cranes could be heard in every conversation.

The education conference kicked off early Monday morning at the breakfast proudly sponsored by Atlantic Crane Inspection Service. Members again had time to network and exchange pleasantries prior to the meeting.

Proceedings began as always with a Welcome Message from CCAA President-Donald O'Rourke. This was a heartfelt and final welcome address from the outgoing President in the last year of his term. We thank Donald for his leadership during a term that was filled with many challenges. His sacrifice and dedication to keeping the CCAA in the forefront of the lifting certification industry is undeniable.

The educational conference progressed with many interesting and knowledgeable speakers. Matthew Shaw of the National Commission for the Certification of Crane Operators presented the latest update from NCCCO. The CCAA values our cooperative relationship with the NCCCO. Members from the CCAA were instrumental in forming the NCCCO Crane Inspector Task Force that developed the CCO Inspector certification program. It is great to track the progress and continued success of that program.

Steve Butler- Director, Office of Maritime Enforcement, Federal OSHA gave another informative presentation of the OSHA Maritime Crane Program including directives, statistics, results of audits and regulatory updates. Steve discussed his impending retirement and reflected happily on the great relationship and experiences he has had with the CCAA over many years. We wish Steve well in his retirement and look forward to continuing our long-standing relationship with other Federal OSHA representatives such as Nick DeAngelis- who spoke at the 2016-CCAA Fall Conference in Bellingham, WA.

Interesting future tech presentations followed from Nathan Schuett of PRENAV and Austin Blaney of Pisano Dimensional Controls. Nathan explained the use of new technology and applications utilizing flying drones for visual inspections of elevated structures. Austin presented his experience and increasing use of 3D Laser Scanning for dimensional control management within the industry. These tools and technologies are making their way into the crane inspection business.

The highlight of Monday's educational training was an enlightening seminar on Crane Accident Investigation presented by Mike Parnell, Technical Director of ITI. Attendees formed teams in an interactive workshop where they were provided a documentation packet to review and formulate a root cause summary a crane accident. Mike was an energetic instructor, working throughout the room answering questions, pointing out photographs, facts and findings. The teams compiled and presented their conclusions including potential violations and recommendations for corrective action. Results were discussed and critiqued.



Donald O'Rourke wrapped up Monday's proceedings with a review of the new CCAA website and Member Portal. Members were encouraged to utilize the new website to their advantage for managing Dues Payment, Invoice Review, Conference Registration, Discussion Groups and Member Profile. Members were reminded to update their profile and list all available services which will be visible to the public when prospects are searching the Find-An-Expert map feature.

Monday evening concluded with a dinner banquet at Planet Hollywood in Disney Springs. The banquet was generously sponsored by Stephenson Equipment Inc. The group enjoyed drinks, dinner and dessert as music played and incredible visual images were displayed on the large observatory type ceiling and walls. A door prize raffle was held and all with lucky tickets received CCAA logo gear, spa treatments and a grand prize vacation package.

Tuesday proceedings began with some important CCAA business. The membership voted and confirmed new members to the Board of Directors. New Directors elected are Tad Dunville of Ace World Companies, Matt Hottenstein of Atlantic Crane Inspection Service and David Raraigh of Integrated Equipment Services, LLC.

The conference resumed with Jamie Moore of InspectAll Software providing an excellent presentation of mobile technology and applications specific for the crane inspection industry. Our own CCAA Executive Director, Larry Dunville - Owner of Overhead Crane Consults, LLC provided a unique presentation for those wanting to retire or sell their business. Larry offered his personal perspective after successfully selling Dearborn Crane and Engineering Co. in 2012.

Matt Hottenstein of Atlantic Crane Inspection Service presented a photo journal of many common and some never seen before deficiencies, found within the course of his inspection work. "Pictures are worth a thousand words" and many of the images displayed reinforced the fact that some in industry continue to lack the basic knowledge or execution of lifting equipment safety and regulation.

Dustin Heins, Samson Rope Technologies, Inc. continued this company's commitment to providing support and training on their K-100 synthetic hoist rope. Dustin presented an update on the rope acceptance in industry and provided technical training on rope characteristics, terminations, installation, inspection and retirement. CCAA surveyors paid close attention to the presentation as the likelihood of encountering this innovative product is ever increasing with its wider acceptance and application by crane manufacturers such as Manitowoc and Link-Belt for use on their lifting machines.

Tuesday concluded with the always enjoyable and informative presentation of Incidents and Accidents presented by Howard Bristow, Truck and Equipment Specialists, Inc. Howard had a unique delivery in narrating his image filled presentation of crane accidents. His work was an important reminder of the everyday dangers involved in this industry and the continuing need for the CCAA to effect change.

Barge Mounted Crane Safety Considerations:

By: Joe Lane
Cairo Marine

•**Personal Flotation Device** - In addition to all regular safety gear used on land, a U. S. Coast Guard Approved Type V (5) Work Vest is recommended - some type is required. A work vest not only is designed for a specified amount of flotation capacity, but also allows for a degree of mobility. A work vest is not a “life preserver”. A Type V work vest will provide 15.5 to 22 pounds of Flotation. 7 to 12 pounds of Flotation is required to keep an adult’s head above water. Flotation capacity is rapidly used up with heavy boots, tools, protective clothing and more. 8.5 to 10 pounds of clothing and gear will render a work vest ineffective. Reference - pfdma.org

•**Clearance** - Clearance for a man around the tail swing radius is critical. There is limited space available on a barge deck and everything has to be somewhere. There are generally many stationary items on deck and there may be live winch lines and rigging that may move suddenly and without warning. There are items that may be moved or repositioned during the course of operation. There are limitations on space available for proper barricading and there are alternatives - reference: 29 CFR 1926.1437(c)(1).

•**Keeping Clear of the Load** - Special considerations are required due to limitations of deck area - reference: 29 CFR 1926.1437 (d). Many, if not most, of barge mounted crane operations are in cycle duty. Activities such as pile driving, rock laying or dredging may require periodic travel of the crane. A reevaluation of the environment is necessary to determine safe space when the crane is repositioned. Consideration of the particular dynamics of load handling on a floating platform is required.

•**Confined Space** - Void spaces in the vessel, and there may be additional areas, are considered to be “confined space”. Special training, additional trained personnel, and special tools are required for entry into confined spaces.

•**Wind and Wave Effects** - Simply walking on deck of a rolling or moving vessel is hazardous. Climbing or standing on machinery is particularly dangerous. A tug or work boat may periodically move the crane barge. “Watch for the bump” - constantly.

•**Deck Surface** - The barge deck is of steel and is inherently potentially slick. Even if the deck surface is prepared with a skid resistant surface - cargo residues, water, oil from machinery, ice, and any number of unexpected factors - often contribute to the hazard potential of working on a barge in crane operations.

General:

When there is a mobile crane on a barge - you have a crane that was designed to work on firm, level ground and a barge that may, or may not, be designed to have a crane used on it. Working around cranes - in general - you develop special awarenesses. Working on vessels of any type - you develop particular awarenesses. When you put a crane on a vessel - additional considerations are created. The combination is more than the sum of the parts. Remember for every “solution” to a problem, a new problem is created.

2018 CCAA SPRING EDUCATIONAL CONFERENCE IN TULSA, OK

Where?

Field trips are scheduled to visit PACCAR and Crosby manufacturing plants.

PACCAR WINCH

Crosby®

Where are we staying?

100 East Second Street
Tulsa, Oklahoma, USA, 74103



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INSPECTION PREPARATION

By: John W. Davis, PE
Davis Engineering



Crane certification requires that the crane be placed temporarily out of service. This usually creates a significant cost to the owner. Therefore, it is incumbent on the surveyor to be organized and efficient so that the cost can be minimized. Part of the responsibility of the surveyor is to appraise the client of the conditions and limitations of the process so that the client can plan accordingly. Then the inspector must prepare himself to accomplish the task. The following elements should be part of the preparation.

An estimate of the time required for the test/inspection will help the client plan. The client should be advised of the work area required for the test/inspection. The crane should be presented to the surveyor in a clean, well-maintained fully equipped condition. The surveyor must have the opportunity study the load chart(s) and owner's manual for the particular crane prior to the actual test/inspection. It is wise to review the test/inspection procedure as well as the certification process with the client before the work commences. The surveyor should fully explain the documents that will be provided before beginning the work.

One of the best ways to present the foregoing information is in the form of a comprehensive written description, which includes the elements noted above. Depending on the surveyor's scope of work, a few versions of this "Crane Inspection Preparation" can be developed which will cover all the different cranes in his client base, can be copied repeatedly, and sent out in advance to the client.

The actual inspection/test should be conducted in a well-planned, efficient manner. This maximizes the surveyor's effectiveness and presents a professional impression to the client and his personnel. The surveyor should be fully equipped to do the job, having the correct tools, gauges and safety equipment.

After reviewing and completing all check lists, a deficiency or inspection report should be prepared and reviewed with the client's representative. The surveyor should cite the standards that were not met and indicate the level of correction that will be acceptable. The client should be advised if an inspection of corrections is required or if documentary evidence will suffice. The surveyor should advise the client of any time limits for correction that apply.

One of the best customer relations methods is proper planning that saves the client expense, confusion, and worry. Good planning is also one of the best safeguards against undeserved lawsuits and devastating liability. Inspectors will serve themselves and their clients well if they use a comprehensive planning system.

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Chairperson: John Davis

*Mark your
calendars
stay tune
for more
information*

Next Educational Conference Information

March 18-20, 2018, Tulsa, OK (Factory Tour)

August 19-21, 2018, Salem, OR (Factory Tour)

February 24-26, 2019, San Diego, CA

August 18-20, 2019, Buffalo, NY (Factory Tour)

February 23-25, 2020, Las Vegas, NV

August 16-18, 2020, Lexington, KY (Factory Tour)

Crane Certification Association of America

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