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## Headline News – Big Tests

*By D. Ann Shiffler “American Cranes and Transport Magazine”  
November 2013*

Folks who live in the Tri-Cities area of Pasco, Kennewick and Richland, WA are used to the huge crane booms that punctuate the skyline at the headquarters of Lampson International. But every now and then the company fully erects one of its super cranes, which are veritable masterpieces in the realm of crane engineering.

When one of these big cranes starts going up, people pay attention. Shortly after the crane was erected, I received an e-mail from Ron Williams, CEO of WHECO, headquartered in nearby Richland, who wanted to make sure we knew about what was going on at Lampson’s plant in Pasco. “I am home for a couple of weeks and see in my back yard a new Transi-Lift 3000 fully erected,” Williams said. It is awesome and may be a good story for ACT.”

It indeed is a good story for ACT, and we have been following progress of the crane for more than a year. When we were compiling our “Super Cranes” article for the September issue, I spoke with Kate Lampson, public relations director, who let us in on the secret that the new unit was complete and that testing would begin in October. Hence, we have the exclusive on the new crane and the spectacular photos.

In September, Lampson crews began assembling the crane, which was commissioned for work in the nuclear industry in Japan. According to Head Engineer Randy Stemp, the crane takes about six weeks to fully erect, and required four assist cranes, including a 350-ton crawler, a 230-ton crawler, a 150-ton crawler and a 60-ton rough terrain crane. Now that the crane is assembled it will undergo a full battery of testing. “We will run a series of factory acceptance tests including strain gage testing, main boom and jib tests and operational tests on our crawler transporters and the hoist,” Lampson says.



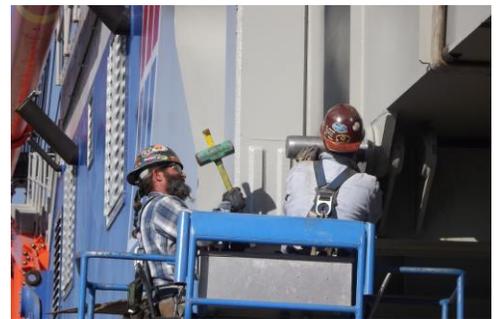
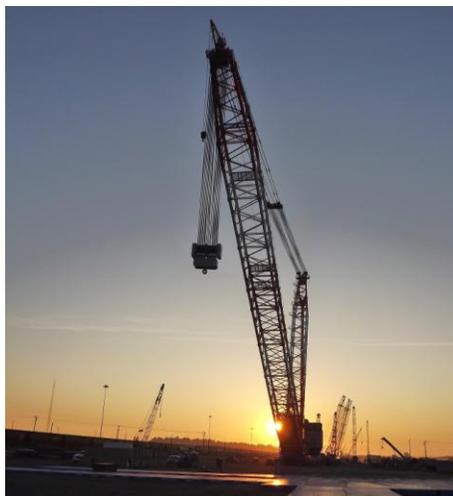
Stemp says the testing regimen is stringent and will comply with the Japanese Legislation for Cranes and Mobile Cranes (JIS), European Union EN13000 and US ASME B30.5 standards. “It will comply with all of these standards so we can achieve worldwide certification on the crane,” says Stemp. “We will make a series of tests including main load falls, jib, and auxiliary hoists to verify the operational and structural competence of all components.” Testing will take about three weeks. For testing, the crane is rigged with 400 feet of main boom, 120 feet of jib and a 20 foot jiblet. It has a capacity to lift 3,000 tons in this configuration, which is the maximum lifting capacity for the crane.

Lampson International has been building the Transi-Lift crane for more than 30 years, but this latest crane has been updated. “The difference in this crane and previous LTL models is that it has a 3,000-ton capacity front crawler,” Stemp says. “It also has hydraulic hoisting capabilities, a larger boom cross section, a newly designed enclosed engine compartment and an increase from 1 1/2-inch wire rope to 2-inch wire rope”.

### New features

New technologies include a state-of-the-art electronic hydraulic controls system and Load Moment Indicator, the Lampson patented boom design that totally disassembles for easy shipping, and the Transi-Lift feature of complete mobility, Stemp Says. “The crane can perform all operations while traveling, swinging and maneuvering in any direction,” he says. While the crane is still technically earmarked for the nuclear industry in Japan, Lampson says the Higashi Dori project is on hold while the Fukushima issues are resolved.

When the crane is deployed, she says it will take on a variety of lifting assignments. “The many applications for the Lampson Transi-Lift LTL-3000 include power plant construction, dam construction, refinery work, bridge construction and infrastructure projects as well as sports facilities, stadiums and manufacturing plants,” Lampson says.



## News and Events –

By Kate Lampson

### Lampson Cable Bridge Run

December 19, 2013 marked the 35<sup>th</sup> annual Lampson Cable Bridge Run. Each year during the month of December Lampson International co-hosts the “Lampson Cable Bridge Run” with the Pasco Parks and Recreation. The 5K and 10K race is popular among local residents who seek to maintain a level of fitness during the cold Tri-City winters. Lampson, who has been a supporter for the past 35 years, donates its headquarters as well as its maintenance facility to accommodate the hundreds of runners who participate in this event.



### ConExpo 2014

March 4-8, 2014 will mark a week where over 130,000 professionals from across the construction industry will descend upon Las Vegas to attend the ConExpo show. Contractors, producers, dealers and distributors, mining companies and manufacturers will all gather to witness the latest in equipment, technology and product breakthrough in construction. Educational programs emphasizing industry issues and trends, management and applied technology will also be offered. Lampson International will exhibit again this year and will feature our Lampson Millennium 4100 Crawler Crane Operator’s Cab. Please look for booth number 1392 in the Gold Lot.



### SC&RA 2013

April 22-26, 2014 is the annual Specialized Carriers and Rigging Association Conference in Boca Raton, FL. The Specialized Carriers and Rigging Association (SC&RA) is an international trade association of nearly 1,300 member companies from 43 nations. Members are involved in specialized transportation, machinery moving and erecting, industrial maintenance, crane and rigging operations, manufacturing and rental. Each year various companies gather to talk about the latest developments in the industry as well as to compete for the “Rigging Job of the Year” and the “Heavy Hauling Job of the Year”. Lampson International will be in attendance again this year.



# Safety – What's Hot in Crane Industry News

By Bruce Stemp



Changes have been afoot the last few months as the entire industry looks at how crane operators were originally intended to be certified in accordance with the new CDAC regulations. The current OSHA interpretation and the interpretation of the subject matter expert's who helped draft the new law, seem to be at odds all of a sudden.

The OSHA interpretation of the rule calls for all Crane Operators to be certified by crane type and capacity by November of 2014. In essence this means that whatever capacity of crane you performed your certification test on is the maximum capacity of crane you would be qualified to operate under the current rules. That shouldn't present a problem should it? Well consider that a huge percentage of Lampson Operators are qualified for lattice boom cranes on a Manitowoc 2900, which would not allow them to operate any crane over 70 US tons. You can easily see the problem when the most prevalent cranes in our fleet and many other crane company fleets, are 140 US tons plus (Manitowoc 4000 and up).

Currently the mainstream interpretation has been that the certification protocol was based on crane type - i.e. fixed cab hydro, swing cab hydro, lattice boom truck, lattice boom crawler, etc. NCCCO performs practical testing based on these and additional designations. Crane capacity does not play a part nor was it considered to do so. The impetus was to assure that crane operators have the knowledge and coordination to safely manipulate the controls to allow for safe load control and to limit excess or unintended movement of the load that could damage property or injure other workers. By combining different scenarios that replicate movements used in actual lifts, including performing multiple functions simultaneously, the NCCCO tests do a very good job of this. The scoring system takes any bias or interpretation away from the Examiner, allowing him to simply observe the test and record the results. The Examiner does not score the completed exam nor have any input other than to note egregious safety concerns and to stop unsafe operation.

As you all know there are a few types of operating systems on cranes from hydraulic to friction to controlled and a combination of both. Some require more specialized skills to operate safely than others. All of them require academic knowledge concerning hazards, leverage principals, load chart usage, etc., which are covered in the written tests for each type. So would capacity designations make a difference?

Crane work, in many instances, is about load control with long boom, long falls and working in congested job sites. The loads are often not maximum crane capacity or even close. In fact, many projects restrict cranes to 85% or even 75% of their capacity at the given lift radius. Also, most heavier load lifts are performed as pre-engineered critical lifts, with everything including crane choreography planned to the smallest degree. Movement is restricted to slow and deliberate operation within known safe parameters. Being able to elevate the heavier loads and lower them

safely is important no doubt, but it is not the only indicator of an operator's skill. In fact with hydraulically operated cranes the skill involved to lower a load under control is really no different than that needed to lower a lighter load under control. Friction cranes do take additional skill since braking is manually controlled by the operator and different procedures can be employed to assist in slower controlled lowering.

The difference between the skills involved in operation of a hydraulic machine and a friction machine may be where OSHA eventually draws the line and requires differing certifications. This is evidenced by the fact that NCCCO is now having practical examiners indicate the control system on the machine that the candidate is testing on. This would make more sense than capacity designations to many who have operated both crane types. Because there is no clear direction on how OSHA intends to stand on this, they have extended the deadline to November 2017 so that more input can be given and the statute revised if required or rewritten in a more concise verbiage.

The one thing that needs to be taken from this is that crane operator certification is not going away and if anything, it will become more stringent. There is no argument that the industry needs to ensure safe operations of cranes however, it needs to be accomplished in a manner that is palatable to crane owners. Doing so will ensure that they have no reason to try to circumvent the rules and abdicate safety. This means that it must be appropriate to the level of skill needed to ensure safe operations and must be economically viable for even the smallest crane companies with large capacity machines to comply with. Lampson will continue to stay involved in public hearings and work toward an equitable and safe solution.

## News from Around the World – Dragline Relocations

*By John Lee*

In early 2013 Lampson assisted with the relocation of three draglines using the in-house designed and fabricated Lampson Transport System. Our system, which uses three Lampson Crawler Transporters and a steel support frame, relocated the draglines in two stages in order to reassign equipment to other mines.

Two of the draglines were Marion 8050's and one of them was a BE1370. The draglines were relocated some 20 and 30 kilometres on the Norwich Park/ Saraji/ Pak Downs Coal Mines located in Central Queensland Australia. Some self-walking of the draglines was required due to timing and steep grades. The project took place during the first half of 2013 and lasted 26 weeks including mobilization and demobilization.

Our site personnel performed brilliantly and moulded their services to suit the demanding Mine Site requirements. In addition, we had no lost time due to injury, the project was incident free and was done within the clients planned time and budget.



## Announcements –

By Kate Lampson

### Birthday's: Happy Birthday to the following Lampson employees!!!

**January:** Jacob Abken, Julio Andrade, Andrew Denny, Raymond Diaz, Darren Gearhart, Chris Jurgens, Alex Koker, Todd Longie, Bryan Miner, Shane O'Hair, Kevin Overstreet, Stephan, Shelestovskiy, Lou Spaccamonti, Mike Stump, Rick, Young, Annette Flores, Ken George, Tuan Tripp, Traci Van Hoven, Doug Becker, Brett Weavell, Henry Kucharski, Wayne Borgas, Walter Gould, Graeme Smith, Debbie Godwin, Keith Chapman, Jon Kulk.

**February:** Joe Amato, Dave Faul, Dennis Kimbrell, Clay Kunde, Keith Marsh, Gennadiy Melnik, Sally Kanehe, Jim Maiocco, Ryan Mathews, Aaron Stephens, Paul Berry, Dan Poston, Bradley Matheson, David Braidwood, Craig Nass, Rory Hutchings.

**March:** Lance Badeaux, Lucas Davis, Tim DeBord, Nick Greer, Gary Marcotte, Sean Markussen, Wayne McGee, Pat Osmundson, Raymond Porter, Chad Soland, Eric Verdun, Patsy Bowers, Jackie DeBord, Rick O'Hair, Bryan Pepin-Donat, Mike Rachels, Rusty Rutherford, Blake Stemp, Denis Babineau, Dale Godfrey, Troy Gerrad, Charles Plett, Glenys Chester, Ryan Edwards, David Stafford, Jan Klippel, Luke Rukavina, David Prior, Nicole Gallen.

### Congratulations:



Congratulations to Steve Molly Helton who were engaged on May 26<sup>th</sup>, 2013. Steve proposed to Mollie on the 18<sup>th</sup> green at the Pumpkin Ridge golf course in Oregon. The couple were married at The Tri-City Country Club on August 31<sup>st</sup> last year. Congratulations you two!!!



Congratulations to Jan and Rusty Rutherford who on June 15, 2013 celebrated their 40<sup>th</sup> wedding anniversary! We congratulate the two of you on so many years of marriage and wish you well on many more anniversaries to come!!



## Community Partnerships:

**United Way of Benton & Franklin Counties Attendance Matters! Build the habit of good attendance early.  
School success goes hand in hand with good attendance!**

### **Did You Know?**

- Starting in kindergarten, too many absences can cause children to fall behind in school.
- Missing 10 percent (or about 18 days) can make it harder to learn to read.
- Students can still fall behind if they miss just a day or two every few weeks.
- Being late to school may lead to poor attendance.
- Absences can affect the whole classroom if the teacher has to slow down learning to help children catch up.

Attending school regularly helps children feel better about school - and themselves. Start building this habit in preschool so that they learn right away that going to school on-time, every day is important. Good attendance will help children do well in high school, college, and at work.

## **ATTENDANCE MATTERS - Key Points**

### **The Case:**

1. Prepared by 20 focuses on the key factors that enable healthy youth development and school success.
2. Regular attendance affects a student's success in school and in life.
3. When students do well in school and graduate, they are more likely to be gainfully employed, pursue a healthier lifestyle, live in a safe environment, and contribute to the well-being of a community.
4. Whether or not we know a child who is struggling with attendance does not matter. What matters is that every child grows up to be a contributing member of this community. We all have a stake in that, and a responsibility to do our part as a community.

### **The Challenge:**

1. Chronic absenteeism is a key factor in poor academic achievement, high school dropout, adult unemployment, and crime rates.
2. 1,900 students in Benton and Franklin Counties had 10 or more unexcused absences in the 2011-12 school year.
3. Analyzed data from our local schools showed students who missed fewer than 5 days of general math or science class were more likely to earn an "A", while students who missed 7 or more days of the same class were more likely to earn a "D" or "F".

### **United Way's Commitment:**

1. Consistent with Community Solutions philosophy of engaging the community to address issues, United Way is committed to mobilizing additional resources to improve school attendance (kindergarten through high school) in Benton and Franklin Counties.
2. United Way has partnered with 12 area middle schools throughout Benton and Franklin Counties to provide support in conveying the Attendance Matters message to their students. Attendance data will be tracked to measure overall attendance rate across all schools.
3. Prepared by 20's Planning Committee is bringing health and human service organizations, businesses and community members together to create positive activities and support schools to achieve the goals of Attendance Matters.
4. Resources are available through a private foundation and Prepared by 20, so the commitment level is sustainable for at least 2-3 years.

#### **Attendance Matters Goals:**

1. A media campaign has been developed, with a compelling message to engage students and their parents.
2. This message focuses on the power in finding a student's inspiration, connection, passion or direction in order to motivate student participation in school.
3. Partnerships with our schools, businesses, the faith community, and social service organizations will demonstrate this in ways such as, offering incentive programs, message displays and student recognition.
4. The importance of parents attending student/teacher conferences will be publicized to local businesses, workplaces, service organizations, and the faith community.
5. With the goal of reducing per student absences by two days within 12 area middle schools, learning will be increased by over 126,000 hours of instruction in a school year.
6. This is why Attendance Matters.

#### **What You Can Do at Home:**

1. Set a regular bed time and morning routine.
2. Lay out clothes and pack backpacks the night before.
3. Introduce your child to his or her teachers and classmates before school starts to help their transition.
4. Don't let your child stay home unless the child is truly sick. Keep in mind complaints of a stomach ache or headache can be a sign of anxiety and not a reason to stay at home.
5. If your child seems anxious about going to school, talk to teachers, school counselors, or other parents for advice on how to make your child feel comfortable and excited about learning.
6. Develop back-up plans for getting to school if something comes up. Call on a family member, a neighbor, or another parent.
7. Avoid medical appointments and extended trips when school is in session.

#### **Quote of the Month:**

**“We are fast approaching the stage of the ultimate inversion: the stage where the government is free to do anything it pleases, while the citizens may act only by permission”      ...Ayn Rand**

