# MOBILE CRANE OPERATOR CERTIFICATION UPDATE



#### HERE ARE THE FACTS...

- As of November 10, 2018 crane operators must be certified and qualified to:
  - Operate a crane above a 2,000-pound capacity when used in construction
  - Delivering product into excavated ground and/or in sequential order
- Requirement EXCLUDES A-frame crane operators
- OSHA fines increased 78% in 2016 and could begin enforcing crane certification fines as of November 10, 2018
  - \$12,600 (2016- \$7,000)



#### **ISSUE**

OSHA Standard 1926.1427

• November 10, 2018 implementation date



Crane operators must be certified and qualified



#### **QUALIFIED VS. CERTIFIED**

#### Qualified

- Operator observed working safely & knowledgably
- Keep documentation in files

#### **Certified**

- Must pass independent exams (written & practical)
- Proctor must be approved by certifying body
- Issued card once certified
- Renewal required every 5 years





#### **BACKGROUND**

- Mobile crane operator certifications have been offered for years
- These organizations are accredited by ANSI and/or NCCA to certify crane operators
  - NCEER
  - CIC
  - NCCCO
- All three require written and practical exams for certification

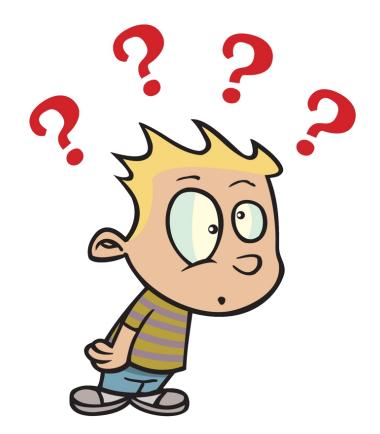


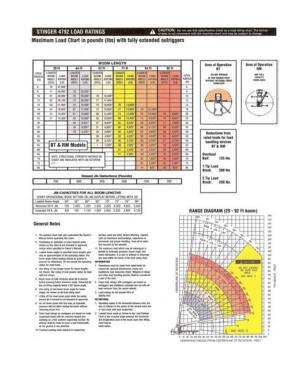
### THE GOOD NEWS...

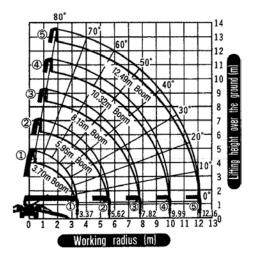




#### AND THE BAD NEWS...







#### - INTERMEDIATE OUTRIGGER CONFIGURATION -

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|  |         |  |    |         |               |                 |    |         |          |         | 85        |          |                |          |                           | 59    | 75                         |  |
|  | $\perp$ |  |    |         |               |                 |    |         |          |         | 90        |          |                |          |                           | 56    | 48                         |  |
|  | 56      | Ó LRS                                    | 35 | 350 LBS |               | 270 LBS         |    | 220 LBS |          | 180 LBS |           | FIXED    |                |          | DEDUCTIONS FOR            |       |                            |  |



#### WHAT NPCA HAS DONE

- Partnered with CIC to create new written certification exam specific to precast industry
- Under 21-ton Precast Delivery Crane Certification Exam
  - Load charts from cranes commonly used in industry
    - QMC
  - It does cover Boom Trucks under 21-tons
  - Knuckle boom cranes are <u>not</u> covered by this certification
    - These have their own certification exam





#### KNUCKLE BOOM CRANE

- Requirements for the Articulating Boom Crane certification
  - Practical Exam on crane with 36 +/- 5' of boom





#### WHAT IF I HAVE A CRANE OVER 21 TON?

- If your crane is over 21 tons you have two options:
  - 1. Take the existing certification exams available for over 21 ton cranes (Be aware that these exams will include the more complex crane load charts)

2. Have your crane properly de-rated to be under 21 tons so your operators can take the new Under 21-ton certification exam



## WHAT'S INVOLVED WITH THE NEW CRANE CERTIFICATION FROM CIC?

- Requirements for the NPCA/CIC certification
  - Two exams
    - General knowledge written exam
    - Supplemental under 21-ton precast delivery crane written exam
  - Practical exam on under 21-ton boom truck with 36' of boom +/- 5'
- Specific to CIC only
- Not available via NCCCO or NCEER



#### WHAT NPCA HAS DONE

- Partnered with NCCCO to create new written certification exam specific to precast industry
- TLL-R Telescopic Boom- Swing Cab with a boom restriction of 37'
  - Load charts from cranes commonly used in industry
    - QMC
  - Maximum of 37' of boom; No capacity restrictions
- TSS- R Telescopic Boom- Fixed Cab with a boom restriction of 37'
  - In progress







#### WHAT NPCA HAS DONE

- TLL-R Telescopic Boom- Swing Cab with a boom restriction of 37'
  - Core Exam (90 MCQ- 90 minutes)
  - TLL-R Written Exam (26 MCQ- 60 Minutes)
    - 9 load chart questions
  - TLL-R Practical Exam (45-60 MINUTES)
- TSS-R Telescopic Boom- Swing Cab with a boom restriction of 37'
  - In progress



### WHAT IS NPCA'S ROLE MOVING FORWARD?

 Monitoring the status of any crane operator certification rule changes or amendments

Providing member updates via precast.org/cranes

 Encouraging members to have their mobile crane operators certified by the implementation date of November 10, 2018



#### **TAKE AWAYS**

- New Under 21-ton Precast Delivery Crane Certification
- New NCCCO TLL/TSS exam
- Make sure any certifications are from ANSI or NCCA accredited organizations (i.e. CIC, NCCCO, NCEER)
- Begin working with your operators now
- Partner with other precasters for training and testing
- The OSHA deadline for compliance is November 10, 2018
- NPCA will continue to provide updates via precast.org/cranes



#### **QUESTIONS?**

- NPCA
  - www.precast.org/cranes
  - Call NPCA at 800.366.7731
  - Marti Harrell
     Vice President of Technical Services & Professional Development
     <a href="mailto:mharrell@precast.org">mharrell@precast.org</a>
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