



Product Advisory

PA 1020E-19

DATE: 10/11/10

REVISED: 1/24/19

TO: **ALL DISTRIBUTORS, OWNERS AND USERS**

SUBJECT: **OSHA Cranes and Derrick Standard requirements**

Issue:

OSHA has revised parts of 29 CFR 1926 Subpart CC concerning Cranes and Derricks in Construction. The changes affect a number of requirements including those related to the equipment, training requirements, qualifications of employees to operate them safely, and work practices. The regulations make reference to Digger Derricks and do not exempt them from all requirements. Operation and use of Digger Derricks is affected more by the work being done rather than industry specific designations. **OSHA regulations are employer requirements for “safe and healthful working conditions for working men and women”. Failure to follow the regulations may result in fines.**

Action:

TEREX Utilities is advising all users of Digger Derricks and Cranes to review the OSHA regulations to determine if their use of Digger Derricks or Cranes is affected. The final rule was published by the Office of the Federal Register on August 9, 2010. The effective date of the final rule was November 8, 2010 with revisions in November 2018. All equipment used in construction that can lift loads, lower loads, and move suspended loads may be affected. If you are required to follow this OSHA regulation, operator certification is required by November 10, 2018. Other revisions to the final rule announced November 7, 2018 take effect on December 10th, 2018. Equipment will require specific Safety Devices and Operator Aids as specified in the regulations. Employer evaluation and documentation that they consider operators qualified as competent is required by February 7, 2019.

All OSHA standards, regulations, and letters of interpretation can be viewed and printed without cost from their web site: <http://www.osha.gov>.

The complete rule is available at:

http://www.osha.gov/FedReg_osea_pdf/FED20100809.pdf.

A fact sheet on Operator Qualification and Certification can be found here:

<http://www.osha.gov/Publications/OpCertfactsheet9-29SOL-DB.pdf>

OSHA Frequently asked Questions are here:

<http://www.osha.gov/cranes-derricks/faq.html>

Work which is exempt from OSHA 26CFR 1926 CC

Digger Derricks (ANSI A10.31 units) are exempt only for work performed under:

- 29 CFR 1910.269 subpart V, Electric Power Generation, Transmission and Distribution
- 29 CFR 1910.268 Telecommunication

When performing work which is not exempt

Machine requirements

Each user must determine if their equipment has the required equipment.

OSHA requires that cranes and derricks be equipped with certain Safety Devices (1926.1415). If the Safety Devices are not working properly, the equipment must be taken out of service. These include the items below.

- Crane level indicators
- A horn accessible to the operator.

If your equipment does not have the required Safety Devices you can purchase and have them installed at TEREX Utilities Service Centers.

- Z-849 Level Indicator kit
- Z-1198 Electric horn kit

Operational Aids (1926.1416) are required when performing work which is not exempt.

- Load limiting device
- Anti-two block

If your equipment does not have the required Operational Aids you can purchase and have them installed at TEREX Utilities Service Centers including:

- The components for load limiting device will vary depending on how unit was originally equipped and will need to be determined specific for each unit.
- Wireless Anti Two Block.
- Digger Derrick Load Display

Note: It does not appear there is an exemption in the final rule for Safety Devices to indicate Digger Derricks are exempt or grandfathered in, as they are for 1926.1416 Operator Aids. Both Safety Devices and Operational Aids are required on all units manufactured after November 8, 2011 for work which is not exempt. For more information contact your local OSHA office.

1926.1422 Signals: requires a hand signal chart to be posted on the equipment or conspicuously posted in the vicinity of the hoisting operation. If your equipment does not have the hand signal chart it can be ordered from Terex Utilities.

- 498829 Hand Signal Chart

For Service Center locations see: <https://www.terex.com/utilities/en/service/service-center-locations>

Note 1: Terex Utility units built since 2003 may have two level indicators showing side to side level. One of the indicators can be moved to show front to back level, or order the kit above as needed.

Operator Training requirements:

OSHA has included more information on their web site for what is needed to comply with the new regulations. Operator Certification, originally required after November 10, 2014, was extended several times and now requires:

All operators must be certified as of November 10th, 2018

Additional training requirements:

OSHA provides fact sheets which specify the training and qualification requirements for signal persons and riggers. Also what the employer is required to document.

<http://www.osha.gov/Publications/cranes-signal-person-factsheet.pdf>

<http://www.osha.gov/Publications/cranes-qualified-rigger-factsheet.pdf>

Operator Certification

Under OSHA's 29 CFR 1926 Subpart CC, operators of equipment covered by the subpart are required to be certified by TYPE of equipment. Operators of digger derricks are exempt from this requirement only when the digger derrick is used in work applications as noted above. If a digger derrick is used for lifting work applications other than those noted above, operators must be certified for the use of digger derrick type of equipment. Digger derrick operators who need certification can obtain it through the National Commission for the Certification of Crane Operators (NCCCO) <http://www.nccco.org>, specifically for Digger Derrick operators (ANSI A10.31 TYPE equipment).

Cranes or Digger Derrick operators.

To certify, an operator is required to pass:

- A written test on rules and regulations for Digger Derricks
- A practical test operating a Digger Derrick.

Training covering the knowledge required to pass the written test is highly recommended even for experienced operators. The OSHA web site has more specific information at www.osha.gov.

Operator Evaluation

If performing work which is not exempt, Digger Derrick Operators must be evaluated by their employer before February 7th, 2019. For operators currently employed as of December 9th, 2018, no "additional or new" evaluation is required as long as the employer has it documented.

This bulletin is to make you aware the OSHA regulations have changed. Your state/local may have more stringent requirements. Refer to the OSHA web site to determine requirements for your company to comply, based on your equipment and work performed.

Federal OSHA exemptions may not apply in states that have their own OSHA plans. State plans must be at least as effective as the Federal OSHA, but they do not have to provide the same exemptions. You must check with your state OSHA.