



# TLL's Semi-Annual Newsletter on Lifting Device Safety & Industry News

# SAFETY • BULLETIN

## What's New at

- Congratulations to **Janet Stillman** of Moore Business Forms, she is the winner of our April draw.
- Our team welcomes Jason Jones as a new member of our technical staff.
- We have started posting our newsletter on the 'net! Please visit us at:  
[www.technicalloadarm.com](http://www.technicalloadarm.com)

## You Asked Us...

**(Q)** *What is the minimum height requirement for the top rail of my personal carrier / manlift?*

**(A)** CSA 354-2 uses 42" as the standard with an allowable deviation of plus or minus 3".

**(Q)** *Can annual inspections be completed internally?*

**(A)** According to the OHSA for Industrial Establishments Reg 851, Section 51 annual inspections must be carried out and documented by a "competent person". The "green book's" definition of a "competent person" means a person who:

1. Is qualified because of knowledge, training and experience to organize the work and its performance.
2. Is familiar with this act and the regulations that apply to the work, and
3. Has knowledge of any potential or actual danger to health or safety in the workplace.

Whether the inspections are done in house or by an outside firm, you must be able to document the competence of the individual doing the inspections. Remember, a competent person meets *all* the requirements.

## We're Getting Around!

*Our technical staff is getting around. Listed below are places Technical Loadarm has been performing lifting device safety services in the last 6 months:*

- Glen - Sudbury, Ontario
- Neil - Timmins, Ontario
- Al - Saginaw, Michigan
- Neal - Whitby, Ontario
- Chris - St. Mary's, Ontario
- Jamie - Phoenix, Arizona
- Sam - Chicago, Illinois
- Mike - Oklahoma City, Oklahoma
- Ray - Wilmington, Delaware
- Jason - Wingham, Ontario



## Operator Safety Tip #9



## Your feedback is valuable...

Fax: (519) 767-2341  
[newsletter@technicalloadarm.com](mailto:newsletter@technicalloadarm.com)

If you have any comments or questions, we would be pleased to hear from you. **Each response faxed or e-mailed to our attention will be entered into a draw for a T.L.L. Sports Bag.** The draw will be held on December 15, 2003. *Good Luck!*

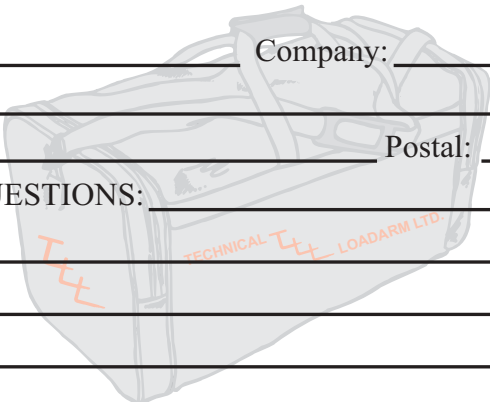
Name: \_\_\_\_\_ Company: \_\_\_\_\_

Address: \_\_\_\_\_

City/Prov. \_\_\_\_\_ Postal: \_\_\_\_\_

COMMENTS / QUESTIONS: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



## Did You Know...

...the following represents the criteria used for determining the removal of wire rope slings.

1. Ten randomly distributed broken wires in one rope lay, or five broken wires in one strand in one rope lay. *(Permanent removal)*
2. Wear or scraping of one-third the original diameter of outside individual wires. *(Permanent removal)*
3. Kinking, crushing, bird caging or any other damage resulting in distortion of the wire rope structure. *(Permanent removal)*
4. Evidence of heat damage. *(Permanent removal)*
5. End attachments that are cracked, deformed or worn. *(Permanent removal)*
6. Corrosion of the rope or end attachments. *(Permanent removal)*
7. Missing or illegible sling identification. *(Permanent removal)*
8. Fibre core wire rope slings of all grades shall be permanently removed from service if they are exposed to temperatures in excess of 200°F. *(Permanent removal)*
9. If sling hooks are cracked, or throat opening exceeds 15% of the original or twisted more than 10 degrees from the plane of the unbent hook or any wear exceeding 10% of the original thickness. *(Removal until replaced)*
10. If present, latches on hooks should hinge freely and seat properly without evidence of permanent distortion or if any self-locking hook does not lock. *(Removal until replaced or repaired)*



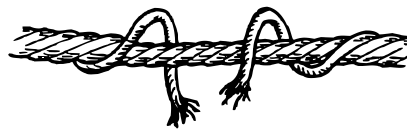
Crushing / Flattening



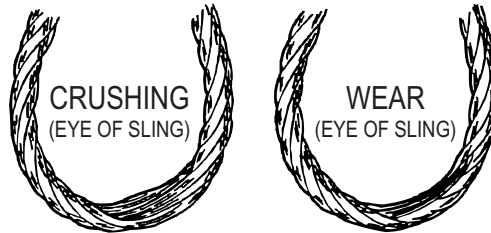
Kinking / Dog Leg



Bird Caging / Popped Core



Tension Strand Breaks



## Did You Know...

...that all lift trucks equipped with front end attachments shall be rated for that attachment at maximum elevation with the load laterally centered? ASME B56.1 - 2000 4.2.2: If the truck is equipped with a front-end attachment(s), including fork extensions, the user shall see that the truck is marked to identify the attachment(s), show the approximate weight of the truck and attachment combination, and show the capacity of the truck with attachment(s) at maximum elevation with load laterally centered.

If your trucks data plate does not show a capacity with the attachment you should contact your dealer for an updated data plate, or documentation verifying that no down rating of the truck had occurred due to the addition of the attachment.

## Services Provided

### Lifting Device Safety Inspection of:

- Tower, Mobile & Bridge Cranes
- Manual, Electric & Air Hoists
- Powered Lift Trucks & Lift Truck Booms
- Chain, Wire Rope & Fabric Slings
- Battery Hoists, Car Hoists & Lift Truck Hoists
- Spreader Beams, Crane Magnets & Tong Attachments
- Pallet Lifters, Sheet Lifters, Plate Lifters & Coil Lifters
- C Hooks, J Hooks, Crane Hooks & Coil Upenders
- Manlifts, Scissor Lifts, Zoom Boom, Snorkel Lifts & Man Cages
- Pallet Trucks, Die Carts, Lift Tables & Die Lifters
- Eyebolts, Swivel Hoist Rings & Shackles
- Lift Truck Booms & Attachments

### New Service

- Load Testing

### Engineering Services:

- Capacity ratings for Crane Bridges, Monorails and Structures
- Miscellaneous Lifting Devices
- Industrial Racking & Other similar items

### Nondestructive Examination of:

- Automotive Mass Production Parts
  - Barrel Dumpers
  - Coil Cradles
  - Front End Loaders
  - Jacks & Die Stands
  - Pins & Shafts
  - Press Beds & Structures
  - Racking
  - Safety Harnesses & Lanyards
  - Scaffolding
  - Tractor Trailers & Trailer Hitches
- \*\*\* NDE is performed using Visual, Dye Penetrant, Magnetic Particle or Ultrasound Processes

### Training Programs:

- Crane & Rigging Operator Training
- Maintenance & Safety Inspection Training (all Devices)
- Lift truck Operator
- Nondestructive Examination Training (magnetic particle)