



The Professional Rigger®

Volume 11 Number 2

Circulation 3,552

August 1996

TECHNICAL NEWS

Rigging Quiz

1. The rigger may exceed the rated capacity of wire rope slings

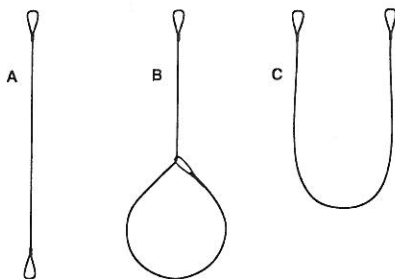


and web slings,

but never alloy steel chain slings, when making day-to-day lifts.

True _____ False _____

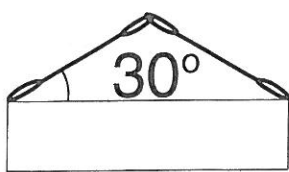
2. Of the three basic hitch types (single vertical, choker, basket), which hitch provides the



least amount of lifting capacity?

A _____ B _____ C _____

3. The tension in the legs of a two-legged bridle assembly being used at 30 deg. angle is twice the



tension of that of two single vertical legs

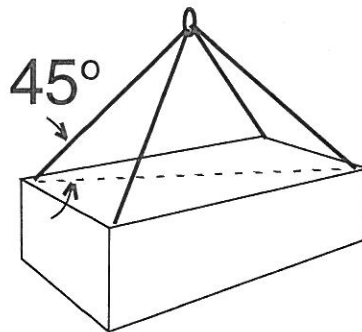
lifting the same object.

True _____ False _____

4. It's okay to use a single basket hitch to pick up a bundle of aluminum as long as the rigger holds onto one end of the bundle to control the load.

True _____ False _____

5. A rigger can always use a four-legged bridle assembly with



the knowledge that the load is equally distributed over all 4 legs.

True _____ False _____

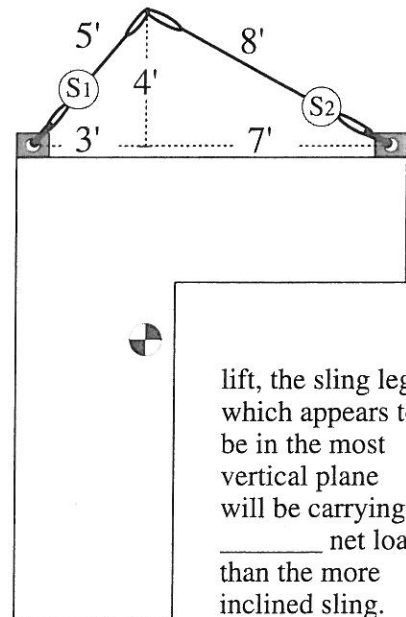
6. When rigging up a basket hitch using a wire rope sling, the rigger will lose no capacity even if the pick point at the belly of the sling is the same diameter as the sling's body.

True _____ False _____

7. When laying a load down on the ground which has been rigged using two basket hitches, it is advisable to block or crib up under the load so the slings can be removed with no affects from crushing.

True _____ False _____

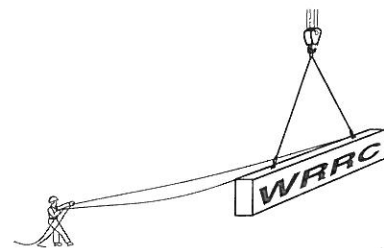
8. When making a two-legged



lift, the sling leg which appears to be in the most vertical plane will be carrying _____ net load than the more inclined sling.

A) More B) Less

9. Taglines need only be used on loads which exceed 10,000 lbs.



True _____ False _____

10. A rigger should always attempt to remove sloshing fluid from a vessel prior to its being rigged and moved.

True _____ False _____

[Answer Key on Page 3, Column 3]

CLIENT NEWS

WRRC GOES TO SOUTH AMERICA !

WRRC has provided a number of crane & rigging training workshops for British Petroleum, ARCO and other oil and gas contractor employees on Alaska's North Slope. As a result of these successful programs, a call was received from BP Exploration in Bogota, Columbia.

We Rig It Right!

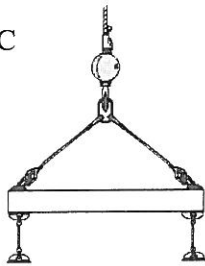


Primary, Master Rigger and Crane & Rigging Management sessions were conducted for a number of BP and contractor employees assigned to the Cusiana Site. Additional courses are scheduled for this summer and fall and will address crane & rigging operations near high pressure pump & flow stations.

Boeing

The Boeing Company in Seattle, WA was the site for a 3-day Certified Inspector Program. Ms. Billie Potts contracted WRRC

to conduct the training for 63 employees. The program was presented to increase the participants' skills and knowledge in wire rope and rigging gear maintenance and inspection. The five sections covered during the program included wire rope, wire rope slings, synthetic web slings, alloy chain slings and rigging gear/testing. Written exams in each section were given and a series of hands-on rigging gear inspections were performed.

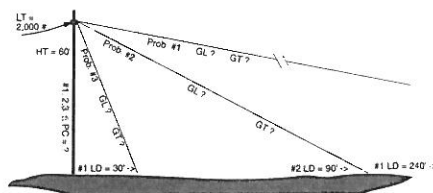


Sun Company

A total of 90 refinery maintenance people attended two weeks of Comprehensive Rigging Training at Sun Company's Philadelphia, PA location. Subjects addressed included Load Weight Estimation and Hitch Configurations.

NWPPA

Tracy Jack, Training Coordinator for the Northwest Public Power Association, requested WRRC to conduct several 2-day Electric Utility Rigging Programs in Anchorage and Fairbanks, AK. Program activities included classroom instruction and hands-on rigging with live loads and a special pole & cross arm field course.



INDUSTRY NEWS

ACRP's Annual Meeting

The Association of Crane & Rigging Professionals met in late May in Tulsa, OK. Over 40 attendees had the opportunity to tour The Crosby Group's facility. Other member education activities included sessions on Dynamic Training Techniques, Job Task Analysis as relates to Training, and a presentation by CCO's JP Moery on the written exam currently in use by the CCO.

The ACRP approved and forwarded a letter to the ASME B30 Main Committee requesting that rigging hardware items, such as shackles, turnbuckles and eye bolts, be included in the B30 series. The intent is for recommended guidelines to be established for the general inspection and maintenance of rigging hardware.



A motion was made and carried to establish a Program Quality Verification Committee.

This committee will review program outlines submitted by member companies to receive ACRP approval for content and process according to industry accepted performance-based and activity-centered training practices.

OSHA/ANSI

OSHA regs. and/or ASME/ANSI standards are printed here as a service to our clients

FEDERAL OSHA CFR 1910.179 Overhead and gantry cranes

(j) *Inspection* -
(ii) Inspection procedure for cranes in regular service is divided into two general classifications based upon the intervals at which inspections should be performed. The intervals in turn are dependent upon the nature of the critical components of the crane and the degree of their exposure to wear, deterioration, or malfunction. The two general classifications are designated as "frequent" and "periodic" with respective intervals between inspections as defined below:

- (a) Frequent inspection - Daily to monthly intervals.
- (b) Periodic inspection - 1 to 12 month intervals.
- (2) Frequent Inspection. The following items shall be inspected for defects at intervals as defined in paragraph (j)(1)(ii) of this section or as specifically indicated.
 - (iii) Hooks with deformation or cracks. Visual inspection daily; monthly inspection with a certification record which includes the date of inspection, the signature of the person who performed the inspection and serial number, or other identifier, of the hook inspected.



OSHA/ANSI (CONT)

For hooks with cracks or having more than 15 percent in excess of normal throat opening or more than 10° twist refer to paragraph (1)(3)(iii)(a) of this section. (iv) Hoist chains, including end connections, for excessive wear, twist, distorted links interfering with proper function, or stretch beyond manufacturer's recommendations. Visual inspection daily; monthly inspection with a certification record which includes the date of inspection, the signature of the person who performed the inspection and an identifier of the chain which was inspected.

NEW RELEASE

Don't Miss the "Special Discount Coupon" enclosed in this issue. The coupon saves you 20% on an initial order of 100 or more Reference Cards. Choose any combination of the following:

- Journeyman • Rig. Gear Inspector
- Master • Equipment Operator
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To order, call 1-800-727-6355.

WRRC NEWS

Rigging Training Workshop 1997 - West & East

April 15 - 17, 1997
Red Lion Jantzen Beach
Portland, Oregon

June 16 - 20, 1997
Regal Constellation
Toronto, Ontario CANADA

Look for more details about these two programs in our next issue.

Who Is ITI, Inc.?

WRRC & CET are now divisions of Industrial Training International, Inc. and will continue to provide your training needs.

This newly named and structured corporation is still owned and managed by Mike & Darlene Parnell. You will be seeing our new corporate name in our newsletters & correspondence, as well as on all contracts.

The purpose for these changes is to better define our current mission in the crane and rigging training industry, to help give us better market identification, and to better position us for the next 15 - 20 years of industry involvement.

WRRC's New Levels of Certification for Certified Inspector Program Attendees

Level I: Successful completion of the CIP program.

Level II: Successful completion of Level I, plus a minimum of 10 hours field inspection at your facility for each inspection subject for which certification is requested.

Level III: Successful completion of Levels I & II, and 85% or better scoring on Level III written exam.

Don't miss out on our next Rigging Gear Inspector's Course. The two remaining course dates for 1996 programs in Vancouver, WA are:

September 16-19
December 9-12

1997 Dates
March 3 - 6
September 15 - 18
December 8 - 11

The course addresses inspection of wire rope, wire rope slings, round slings, synthetic web slings, alloy steel chain slings, below-the-hook lifting devices, rigging gear, and proof & destructive testing.



The instructional format is based on OSHA CFR 29 1910, ASME B 30 series, ASTM A-391, and ASTM E-4. Participants are required to pass written tests and hands-on field inspections to successfully complete each section. Please see the enclosed flyer for more information. Call today to register!

WRRC Training Programs

- Rigging Fundamentals
- Comprehensive Rigging
- Master Rigging
- Line Crew Rigging
- Rigging Gear Inspection
- On-site Rigging Inspections
- Crane & Rigging Management
- Socket Pouring Instruction
- Rigging Gear Testing
- Rigging Accident Investigation
- Lift Plan Procedures
- Fall Protection Testing
- Risk Hazard Analysis

WORKSHOP ANSWER KEY (From Page 1)

- 1) False
- 2) B
- 3) True
- 4) False
- 5) False
- 6) False
- 7) True
- 8) More
- 9) False
- 10) True

The Professional Rigger is a publication of Wire Rope & Rigging Consultants. It is distributed to those whose occupations require the safe and effective use of lifting and rigging equipment. For more information contact: The Professional Rigger, PO Box 728, Vancouver, WA 98666 (360) 256-5730



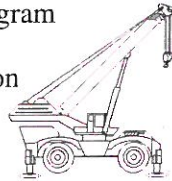
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- Load Securement
- Aerial Work Platforms
- Snow Cats

Burlington Northern

Alliance, NE was the site of a two week Mobile and Bridge Crane Inspector Training Program. The 6 participants attending the program became familiar with the inspection criteria as outlined in the OSHA & ANSI Standards. The training helped to better prepare them for the rebuilding of two 7 1/2 ton cranes this summer.



Los Alamos

CET was contracted to present a 3-day Overhead Crane Inspector Program for 15 individuals in Los Alamos, NM.

Great Lakes Carbon

CET's Harley Gist conducted a 5-day Mobile Crane Operator/ Comprehensive Rigging Training Program for individuals at Great Lakes Carbon's Kremlin, OK location. Load Chart Interpretation and calculating load weights were emphasized through a series of hands-on and classroom workshops.

Indiana Michigan Power

Fort Wayne, IN was the location for two weeks of Dozer & Backhoe Operator Training. A total of 30 people attended the program which included a variety of classroom and hands-on workshops.



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Please update your records with these changes. Thank You!