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## **LAND-BASED ENERGY OPERATIONS BASIC RIGGING REQUIREMENTS**

**2017**

### **Two-Day Rigging Trainer Development Program**

This SEMINAR and support materials were developed for the Crosby product line. The materials are intended to be used as classroom references in training sessions conducted by Authorized Crosby Instructors. Crosby provides instruction only on how to use the material. Crosby does not select or determine whether each attendee is qualified to be a trainer. The management of companies requesting the Crosby training is responsible for determining the capability and suitability of all trainers in their employment.

Those who attend Day One, Course #LB-001 will receive:

- Certificate of Completion
- A Crosby Seminar Workbook Land-Based Energy Operations
- Crosby's Land-Based laminated pocket reference guide

Those who attend the full two-day program, Course #LB-001 and #LB-003A, will receive:

- Crosby General Catalog on DVD
- An "electronic file" with Crosby rigging PowerPoint slides. Acceptance of Crosby's licensing agreement is required
- The ability to order Crosby training materials at reduced prices
- Other Crosby CD-ROMs and electronic tools will be made available
- Those individuals who successfully complete the two-day course LB-001 and LB-003A and meet all requirements will be mailed a certificate stating they are "Authorized" to use Crosby training materials for 48 months.

**To view course objectives go to Crosby website, [www.thecrosbygroup.com](http://www.thecrosbygroup.com), and select Land-Based course objectives.**

**Classroom training is only a small part of the needed qualifications.**  
**Demonstrated ability on the job is equally important.**

**Registration Form Enclosed**

**For Authorized Full Line Crosby Distributors and End Users of Crosby Products Only!**

## Course Agendas

**DAY 1**  
**FUNDAMENTALS OF RIGGING**  
**COURSE #LB-001**  
**NON-TRAINERS MAY ATTEND DAY 1 ONLY**  
*Day 1 is a prerequisite for attending Day 2*  
**(Check in: 7:30 a.m. Program time: 8:00 a.m. – 5:00 p.m.)**

- ♦ **RISK MANAGEMENT**  
The Working Load Limit  
Evaluating the Rigging  
The Basic Rigging Plan
- ♦ **RIGGING PRINCIPLES AND LOAD CONTROL**  
Sling Operating Practices per B30.9  
Load Control Basics
- ♦ **LOADS ON RIGGING AND THE RIGGING TRIANGLE**  
Determining Weight of Load  
Finding the COG  
The Rigging Triangle  
The Load Multiplier and L/H  
Workshop: Determining Tension in Sling Legs
- ♦ **APPLICATION OF HARDWARE**  
Hoist Hooks and Latches  
Proper Application of Shackles  
Links and Rings  
Eye Bolts and Hoist Rings
- ♦ **INSPECTION OF RIGGING HARDWARE**  
Crosby Guidelines and ASME B30.26
- ♦ **PROPER APPLICATION OF SLINGS**  
Wire Rope Slings  
Chain Slings  
Synthetic Slings

**DAY 2**  
**RIGGING TRAINER DEVELOPMENT**  
**COURSE #LB-003A**  
*Prior Attendance at Day 1 is required in order to attend*  
**(Check in: 7:30 a.m. Program time: 8:00 a.m. – 5:00 p.m.)**

- ♦ **INSPECTION OF SLINGS PER ASME B30.9**
- ♦ **DRILLING AND WELL SERVICING RIGS**  
Guylines, Drawworks  
Hoisting Equipment  
Inspection Guidelines
- ♦ **GIN POLE TRUCKS**  
Winch Trucks, Gin Pole Precautions  
Block Loading  
Hardware Application
- ♦ **RIGGING MATH OVERVIEW**
- ♦ **RIGGING MATH WORKSHOP**
- ♦ **CROSBY ELECTRONIC TOOLS OVERVIEW**
- ♦ **WRAP UP SUMMARY**

Topics are subject to change



## LAND-BASED RIGGING TRAINER DEVELOPMENT

☐ REGISTER THE FOLLOWING PERSON TO NOTED SEMINAR(S)

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

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

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

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

FAX: \_\_\_\_\_ E-mail Address: \_\_\_\_\_

*(Must Have Fax or E-mail in order to Confirm Registration)*

**Register me in the courses indicated below. All courses available on a first come basis.**

<u>Date</u>	<u>Time</u>	<u>Course</u>	<u>Topic</u>	<u>City</u>
<input type="checkbox"/> June 6, 2017	8:00 a.m. – 5:00 p.m.	LB-001	Fundamentals of Rigging	Houston, TX
<input type="checkbox"/> June 7, 2017	8:00 a.m. – 5:00 p.m.	LB-003A	Rigging Trainer Development	Houston, TX

**EMAIL THIS FORM ALONG WITH THE FOLLOWING PAGES TO  
CINDY.GRUVER@THECROSBYGROUP.COM**

**You should receive a confirmation of registration with seminar location's address within one week. If not, or if you have questions, please call 918-834-4611 extension 5357 or E-mail [cindy.gruver@thecrosbygroup.com](mailto:cindy.gruver@thecrosbygroup.com).**

**\*See schedule of other Crosby seminars via website: [www.thecrosbygroup.com](http://www.thecrosbygroup.com)**

**\*Attendee Disclosure Form must be submitted with this form.**

# ATTENDEE DISCLOSURE FORM

Completed for \_\_\_\_\_  
(name of attendee)

Crosby training seminars are designed for supporting full line Crosby Distributors, end users, and non-competing support personnel in the lifting/material moving industry. The Crosby courses are instructor led by Crosby employees. On occasion a retired Crosby employee may be contracted to serve as an instructor.

Please check the appropriate box below that best describes your occupation/employer.

- ☐ Authorized Full Line Crosby Distributor
- ☐ End User of Crosby Products

If you are not employed by an authorized full-line Crosby distributor or are not an end user of Crosby products, please check one of the boxes below.

- ☐ Consultant/Trainer
- ☐ Risk Management/Insurance
- ☐ Other

If you checked "Other" above, briefly describe your occupation: \_\_\_\_\_

\_\_\_\_\_  
All potential attendees that are not Authorized Full Line Crosby Distributors or actual end users of Crosby products must be pre-approved by Crosby before admittance.

ONLY THOSE INDIVIDUALS that attend at least 90% of the two-day seminar, are eligible to receive a Crosby Certificate of Achievement.

The Crosby Group reserves the right to deny access to Crosby sponsored training sessions and reserves the right to cancel a scheduled training session at any time.

**This form must be emailed to [cindy.gruver@thecrosbygroup.com](mailto:cindy.gruver@thecrosbygroup.com) with the preceding form, which requires name, employer, address, date/location of training site selected.**

Questions or concerns? Please call 918-834-4611 extension 5357 or send email to [cindy.gruver@thecrosbygroup.com](mailto:cindy.gruver@thecrosbygroup.com).