



TREAD CORPORATION

2012 ANNUAL **OPERATOR TRAINING SCHOOL**

January 30-31, 2012 **Treadbed™ / Unibody Training**

February 1, 2012 **proBlast Training**

Sheraton Roanoke Hotel & Conference Center



Providing solutions to the Explosives Handling Equipment Industry since 1957

www.TREADcorp.com 540-982-6881 176 EastPark Drive Roanoke, VA 24019 USA

WELCOME TO THE TREAD OPERATOR TRAINING COURSE !

The new 2012 TREADBED™ - UNIBODY TRAINING SCHOOL has been designed specifically for operators of **Treadbed™** and **Unibody** bulk delivery units; and now includes, an optional day dedicated to **proBlast**.

In order to gain the maximum benefit of your enrollment in the school, operators should have basic experience in bulk blasting, have a mechanical background and hold a CDL (commercial driver's license).

Instruction begins with a general session introducing safety systems followed by an overview of the Treadbed™ and Unibody bulk units with emphasis on:

- Tank configuration and loading
- Transport of material over the highway
- Control systems / function
- Explanation of various truck operating systems
- Trouble shooting
- Daily maintenance
- Repairs

This unique course is prepared and conducted by the professional and knowledgeable TREAD STAFF and TREAD SERVICE PERSONNEL; and, consists of one general session and three separate training sessions held in a small classroom environment.



TOPICAL OUTLINE

1. **SAFETY SYSTEMS**
 - Lockout / Tagout
 - GardMaster
 - SwingMaster
 - Confined space entry
2. **TREADBED OVERVIEW**
 - Model numbers
 - Hopper and tank capacities
 - Vehicle loading
 - The Federal Bridge Law
 - Handrails and walkways
3. **HYDRAULIC SYSTEM**
 - PTO and hydraulic pump
 - Directional control valves
 - Flow dividers
 - Motors and cylinders
4. **AUGER SYSTEM**
 - Auger design principals
 - Auger drive assembly
 - Auger system controls
 - Boom swing drive
 - Boom lift cylinder
5. **FUEL OIL SYSTEM**
 - Tank, valve, and strainer
 - Fuel oil pump and motor
 - Fuel oil totalizer
 - Injection ports
 - Hydraulic controls
6. **EMULSION PUMP SYSTEM**
 - Suction piping
 - Emulsion pump and motor
 - Pressure piping
 - Burst disc
 - Injection port
 - Hydraulic controls
 - DOT interlock valve
7. **AIR SYSTEM**
 - Air protection valve
 - Filter-lubricator
 - Valve console
 - Emergency valve
 - Unloading vent
 - Blow down checks and ports
 - Vibrators
8. **ELECTRICAL CONTROL SYSTEM**
 - Power cable and fuses
 - Junction box
 - Circuit breaker
 - Joy stick control box
 - Solenoid valves

9. PROGRESSIVE CAVITY PUMP

- Inlet hopper or suction piping
- Level control
- PC pump and motor
- Pressure piping
- Burst disc
- Hydraulic controls

10. PUMPGARD PUMP SAFETY SYSTEM

- Pumpgard controller
- Flow switch
- Pressure switches
- Hydraulic valve

11. HOSE REELS

- Fluid path
- Drive system
- Boom swing drive
- Boom extend cylinder
- Hydraulic controls

12. WATER LUBRICATION SYSTEM

- Tank, valve, and strainer
- Gassing pump and motor
- Flow meter
- Water ring
- Hydraulic controls

13. GASSING SYSTEM

- Tank, valve, and strainer
- Gassing pump and motor
- Flow meter
- Injection port
- Hydraulic controls

14. SYSTEM OPERATIONS

- SCS
- ACS
- DCC+
- Pre-stop

15. DIGITAL COMMAND CTR. & TACHOMETERS

- Sensors
- Meters
- Switches
- Calibration

16. COMPONENT CALIBRATION

- Prill calibration
- Emulsion calibration
- Fuel oil calibration
- Product pump calibration
- Gassing calibration
- Calculating calibration values

17. DCC+ CONTROL SYSTEM

- Control layout
- Touch panel
- Calibration
- Maintenance

18. PUMPPRO PUMP SAFETY SYSTEM

- Sensor spool
- Junction box
- Flow Switch
- Pressure transducer

19. START-UP AND SHUT-DOWN OF BODY PROCESS

During your stay TREAD CORPORATION will provide:

- 9 hours of classroom instruction per day
- CD-Rom of all presentations
- Golf Shirt
- Lunch is catered all three days
- Dinner will be provided at TREAD along with a tour of the facilities on Monday evening, January 30th (transportation provided)
- Mid-morning / afternoon breaks
- Hospitality room and hors d'oeuvres Tuesday evening, January 31st

proBlast Training

Space is
limited in
this class

- proBlast - introduction and overview
- proBlast - components, description, and interface
- proBlast - hydraulic system
- proBlast - operating system
- proBlast - trouble shooting

MEET YOUR INSTRUCTORS

PAUL GUMINA -

ROBERT SHELTON-

MATT MORELAND -

STEF STOLTZ -

ROBERT SHELTON -

MARK CUNNINGHAM -

MATT MORELAND -

PAUL GUMINA -

Capacities & Loading

Hydraulics

Augers, Fuel Oil & Emulsion

Air & Electrical

Pumps & Pump Safety

Hose Reels, Water & Gassing

System Operations & PumpPro

Calibration

Treadbed™ / Unibody / proBlast Training 2012

Registration Form

Attendee Name	Treadbed/Unibody Training January 30-31 Cost: \$490	proBlast Training 1 Day Only February 1st Cost \$275*	SPECIAL All 3 Days \$590/per person	Shirt Size S-M-L-XL- XXL-XXXL	Registration Fee
Joe Smith (example)			X	XL	\$590

***Pre-requisite for proBlast Training: Must have attended Treadbed™ /Unibody Training within the past two years or be enrolled in the 2012 Treadbed™ /Unibody class.**

**DEADLINES: Registration: Tuesday, Jan. 10th
Cancellation: Monday, Jan. 20th (with refund)**

Company Name:		
Address:		
Phone: ()	Fax: ()	E-Mail:
Credit Card : <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> Amer. Express		
Card Number:	Expiration: /	Billing Zip Code:
Payment must accompany registration		

SHERATON HOTEL & CONFERENCE

CENTER ACCOMODATIONS

Single room Double room

Arrival Date: January / / 2012

Departure Date: January / / 2012

Departure Date: February/ / 2012

Room rate is **\$82.00** + tax/night per room, 1–2 occupants. The hotel is a non-smoking facility. **We will make the hotel reservation for you.** Payment arrangements or any subsequent changes in your reservations are your responsibility and should be handled with the Sheraton directly at 540-563-9300.

You will need to present a photo ID and credit card at check-in or complete the attached Credit Card Authorization Form if you will not be traveling with a credit card and fax it to 540-561-7910.

TREAD CORPORATION

Questions? Contact Anne Wilson
Phone: 540-982-6881
Fax: 540-344-7536
Email: awilson@treadcorp.com
TREAD Corporation 176 EastPark Drive
Roanoke, VA 24019