

Treadbed / Unibody Operator Training

Tread Corporation Training 2010

January 25-26, 2010
Time: 7:00 am to 5:00 pm
Sheraton Roanoke Hotel &
Conference Center



Products
for Earth-shattering results.

Service
that spans the Globe.

Training
to help you meet your goals.

With a full line of products such as Unibody, emulsion plants, bins and magazines, Tread has the ability to supply your business or job with exactly what you need, when you need it. Couple this with training schools, global field service, full inhouse parts service and you have a market leader with an international reach. The right products...the smart solutions. TREAD

TREAD CORPORATION

178 Eastpark Drive, Roanoke, VA USA 24019
ph: 540-982-6881 fx: 540-344-7938
www.treadcorp.com

*We want you to have the best trained
operators in the industry!*



This course is designed for operators of Treadbed and Unibody bulk delivery units. Operators should have basic experience in bulk blasting, mechanical background and a commercial driver's license. The course begins with a general session introducing the safety systems and an overview of the application on Treadbed and Unibody bulk units. The course focuses on the Treadbed and Unibody bulk truck in a wider application such as:

- Tank configuration and loading
- Transport of material over the highway
- Control systems
- Operations of different truck operating systems
- Trouble shooting of the systems

Course emphasis is on the safe operating and control functions of the Treadbed and Unibody bulk trucks, with daily maintenance and how to apply simple trouble shooting methods and repairs. The course consists of one general session and three training sessions in a smaller class 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
 - Sensor spool

18. PumpPro Pump Safety System
 - Sensor spool
 - Junction box
 - Flow Switch
 - Pressure transducer
19. Start-Up and Shut-Down of Body Process
 - Practical Demonstration

Training 2010

Some of the things that you can expect if you attend:

- 9 hours/per day of group classroom instruction
- CD-Rom of all presentations
- Golf shirt
- Lunch provided by Tread on both days
- Dinner at Tread with a tour of our facility on the first evening. (Transportation will be provided).
- Mid-morning and afternoon breaks with refreshments
- Hospitality room with hors d'oeuvres on second evening.
- Certificate of Completion



Speakers and Topics

- *Welcome*
- Tom Watts & Paul Gumina, *Capacities and Loading*
- Bob Anderson, *Hydraulics*
- Matt Moreland, *Augers, Fuel Oil and Emulsion*
- Stef Stoltz, *Air and Electrical*
- Bob Anderson, *Pumps and Pump Safety*
- Mark Cunningham, *Hose Reels, Water & Gassing*
- Matt Moreland, *System Operations and PumpPro*
- Paul Gumina, *Calibration*

Treadbed / Unibody Operator Training 2010

Registration Form

\$450.00
(per person)

Attendees:

Shirt Size
Sizes: S,M,L,XL,2XL,3XL

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Total* _____

**Deadline for registering is
January 5, 2010 and for canceling
with refund is January 12, 2010.**

***Payment must accompany
registration**

Company Name: _____

Address: _____

Phone: () _____

Fax: () _____

E-Mail: _____

Credit Card Information: Visa/MasterCard/American Express (circle one)

Card Number: _____ Expiration ____/____/____ Billing Zip Code _____

Hotel Accommodations

Single room Double room

Arrival Date: January / / 2010

Departure Date: January / / 2010

**Room rate is \$72.00 + tax/night per room,
1-2 occupants. The hotel is a non-smoking
facility. Initial reservations will be made
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.**

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