2018 Training Catalog
Training Choices for 2018

ESG Technical Training classes will be complimentary for all attendees this year.

Continuing from last year, Elgin Sweeper and Vactor will offer two levels of training for your technicians: Standard classes and Advanced classes. The Standard classes are open to everyone and will continue to be based on specific products. Advanced classes for technicians require having previously attended a Standard class for a specific product. Why are we requiring previous attendance in the standard classes? We want to ensure that advanced technicians have the chance to learn with other advanced technicians in an environment where the basics are already understood, thereby allowing all of the class time to be devoted to advanced information. (Prerequisites are noted on the class page)

New classes this year include the HXX Paradigm Mechanics training and the Advanced Single Engine Crosswind Repair and Diagnostics training.

While there will be no charge for ESG Technical Training this year, registration is required. Registration is available online at:

www.esgtechtraining.eventbrite.com

Note:
• ESG Training reserves the right to cancel classes 4 weeks prior to the start of a class if there is insufficient enrollment. Additional classes will be offered when possible if classes fill early.
• If a student cannot attend, notify ESG Technical Training a minimum of one week before the scheduled class start date. Many classes have a waiting list so with sufficient cancellation notice, other potential attendees will have the chance to enroll. Registered students who do not attend and/or do not notify the ESG Technical Training Department one week in advance will be charged a $500 non-attendance fee.
Training Information

Elgin Sweeper Class Offerings:

- Pelican Sweepers for Mechanics (3 days)
- Four-wheel Mechanical Sweepers for Mechanics (3 days)
- Broom Badger Sweepers for Mechanics (2 days)
- Waterless Eagle Sweepers for Mechanics (2 days)
- Crosswind Sweepers for Mechanics (3 days)
- Vacuum Sweepers for Mechanics (3 days)
- Advanced Service Tool Diagnostics – Vansco Systems (3 days)
- Advanced Service Tool Diagnostics – Danfoss Systems (3 days)
- Advanced Single Engine Crosswind Repair and Diagnostics (3 days)

All classes at Elgin Sweeper start on Tuesday and attendance is 8:30 – 4:00 each day. Training consists of classroom and hands-on instruction. Training manuals are provided. Standard class size is limited to 15 in order to ensure individualized instruction. Advanced class size is limited to 10.

While there is no charge for Elgin Sweeper training, registration is required. Registration is available online at:

www.esgtechtraining.eventbrite.com

Dress: Casual work clothes, safety toe shoes, and safety glasses with side shields. (shoe covers will be supplied if needed)

Lunch each day, refreshments in the classroom, and training material are included. Please notify us of any dietary restrictions. Transportation and lodging are not included.

Location: Elgin Sweeper Co.
1300 W. Bartlett Road
Elgin, IL 60120

Recommended Hotels: (Call for reservations and availability of Elgin Sweeper rates)

Holiday Inn Express Chicago West/St. Charles
155 38th Avenue, St. Charles, IL 60174
(630) 587-6564

Hampton Inn Chicago/St. Charles
2875 Foxfield Rd, St Charles, IL 60174
(630) 584-0222

Marriott Courtyard Chicago/St. Charles
700 Courtyard Dr, St Charles, IL 60174
(630) 377-6370
Training Information

Vactor Class Offerings:

- Vactor 2100 Plus Mechanic (3 days)
- Vactor 2100 Plus Operator (3 days)
- HXX Mechanics (3 days)
- HXX Paradigm Mechanics (2 days)
- Guzzler CL E Mechanic (2 days)
- Advanced 2100 Plus Electronic Troubleshooting (3 days)
- Advanced HXX Electronic Troubleshooting (3 days)

All classes at Vactor start on Tuesday and attendance is 8:30 – 4:00 each day. Training consists of classroom and hands-on instruction. Training manuals are provided. Standard class size is limited to 15 in order to ensure individualized instruction. Advanced class size is limited to 10.

While there is no charge for Vactor training, registration is required. Registration is available online at:

www.esgtechtraining.eventbrite.com

Dress: Casual work clothes, safety toe shoes, and safety glasses with side shields (shoe covers will be supplied if needed)

Lunch each day, refreshments in the classroom, and training material are included. Please notify us of any dietary restrictions. Transportation and lodging are not included.

Location: Vactor Manufacturing
1621 S. Illinois St.
Streator, IL 61364

Recommended Hotels: (Call for reservations and availability of Vactor rates)

AmericInn Hotel & Suites Streator
1705 N. Bloomington St., Streator, IL 61364
(815) 672-0080

Hampton Inn Ottawa
4115 Holiday Lane, Ottawa, IL 61350
(815) 434-6040

Holiday Inn Express
120 W. Stevenson Road, Ottawa, IL 61350
(815) 433-0029

Fairfield Inn
3000 Fairfield Lane, Ottawa, IL 61350
(815) 431-8955

Super 8 Ottawa
500 E. Etna Road, Ottawa, IL 61350
(815) 434-2888
Elgin Sweeper

Steve Dunning is the Technical Training Instructor for Elgin products. As a technician in the early 1980’s, he worked on his first Elgin sweeper, a Pelican. During that time he achieved ASE Master Certification in both Automotive and Heavy Duty Truck. After ten years as a technician, Steve moved to fleet maintenance management. That’s where he started training, helping technicians prepare for ASE Certification.

In 1999, Steve moved to Kubota Engine America as Service Engineer and Service Trainer. In thirteen years at Kubota, he taught classes for equipment manufacturers and engine distributors in the US, Mexico, and Europe. Moving up to Assistant Manager of Technical Service Training, Steve was responsible for all the training on the new electronically controlled diesel and gaseous-fueled engines.

STEVE DUNNING Since joining Elgin Sweeper in 2012, Steve strives to improve the training quality to offer a more advanced level of training for our dealers and customers.

Steve and his wife Tesa have two daughters. His older daughter teaches at an elementary school in Aurora, IL. The younger daughter is performing neurobiological research for a pharmaceutical company in Evanston, IL.

Vactor Manufacturing

Jerry Smith is the Technical Training Instructor for Vactor Manufacturing. He has over 30 years experience in repair, service, maintenance, inspection, troubleshooting, and training in the automotive and vacuum truck fields. He joined Vactor in March of 2008 as a quick repair technician. Along with inspecting, testing and repairing the Vactor trucks, Jerry has also created repair and testing documents that are used in Vactor’s service department.

Before coming to Vactor Jerry was a General Motors and Saab technician for 20 years, specializing in electrical diagnosis and repair. Along with inspecting, maintenance, diagnosing and repairs, he provided training to other General Motors technicians through General Motors. While working as a General Motors and Saab technician Jerry attained ASE Master Auto Technician and L1 Advanced Engine Performance certification. He also attained General Motors Master Technician certification, and was a Saab certified technician.

Jerry is assigned to the Vactor Manufacturing facility where he has access to the Engineering department, Technical Publications, and Service to assist with the development of all Vactor training.

Jerry and his wife Jennifer reside south of the Streator Illinois area. And since Jerry has run over 25 marathons and has more than 20 thousand miles on his bicycle over the last 10 years, you may find him training for his next race, triathlon, or Ironman when he is not working.
Elgin Sweeper and Vactor Electrical/Electronics

Bill Sprague works for the Technical Publications department and his work focuses on electrical and electronic systems and diagnostics. He helps with curriculum development for both Elgin and Vactor and is also responsible for Elgin CNG course materials, course development and training.

Bill has spent 17+ years as a technical training instructor for the U.S. Coast Guard, Chrysler Corporation (both internationally and in the U.S.), Volvo Penta and other companies and has worked with and instructed all types of electrical and electronic control systems for engines, transmissions and body systems.

Before becoming an instructor Bill spent 10 years active duty in the U.S. Coast Guard as a Machinery Technician followed by 10 years in automotive shops as a technician. During those years as a technician and an instructor for Chrysler Bill was ASE Master Auto Technician and L1 Advanced Engine Performance certified.

Bill is a native Virginian who resides in and is based out of Virginia. He loves the woods, the beach, and the water so when he is not working you’ll probably find him in one of those places.
Pelican Sweepers for Mechanics

Objectives:

This three day class is designed to help mechanics set, maintain, and repair the Pelican sweeper for the best operation. Setting of brooms and conveyors will be discussed with emphasis on safety, proper operation, maintenance, and repair.

Technicians will learn troubleshooting of electrical, electronic, and hydraulic systems related to sweeping functions. Hydrostatic drives and hubs will also be reviewed for troubleshooting and repair. Sweepers discussed will include the NP and Waterless Pelican (NR).

- Safety
- Sweeper Operation from the Mechanic’s Point of View
- Operating Parameters
- Main and Side Broom Settings and Operation
- Conveyor Systems – Settings, Operation, Maintenance, and Repair
- Operating and Emptying the Hopper
- Water Pumps and Spray Nozzles
- Waterless Sweeper Components and Operation
- Maintenance of the Sweeper – Maintenance Schedule
- Electrical Systems
- Electronic Controls and the Electronic Service Tools
- Hydraulics and Hydrostatic Drive System
- Hubs and Brakes
- Troubleshooting Pelican systems
- Power Systems and After-Treatment including the Tier 4 Final engine

Who should attend: New and experienced maintenance personnel and mechanics who want a better understanding of the Elgin Pelican sweeper.

Dates Offered:

March 20-22
June 19-21
August 14-16
September 18-20

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates
Four-Wheel Mechanical Sweepers for Mechanics

Objectives:

This three day class is designed to help mechanics set, maintain, and repair the four-wheel mechanical sweeper for the best operation. Setting of brooms, elevators, and conveyors will be discussed with emphasis on safety, proper operation, maintenance, and repair.

Class will include troubleshooting of electrical and hydraulic systems related to sweeping functions. Sweepers discussed will include the 4M Broom Bear, 4M Road Wizard, and 4M Eagle.

- Safety
- Sweeper Operation from the Mechanic’s Point of View
- Operating Parameters Main and Side Broom Settings and Operation
- Conveyor Systems – Settings, Operation, Maintenance, and Repair
- Elevator Systems – Settings, Operation, Maintenance, and Repair
- Operating and Emptying the Hopper
- Water Pumps and Spray Nozzles
- Maintenance of the Sweeper – Maintenance Schedule
- Hydraulic System
- Pneumatic System
- Electrical System
- Electronics and the Electronic Service Tool
- Troubleshooting all sweeper systems
- Power Systems, CNG and Diesel, including the Tier 4 Final Cummins QS2.8

Who should attend: New and experienced maintenance personnel and mechanics who want a better understanding of the Elgin mechanical sweeper line.

Dates Offered:

May 15-17
July 10-12
October 9-11

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates
Waterless Eagle Sweepers for Mechanics

Objectives:
This two day class is designed to help mechanics set, maintain, and repair the Waterless Eagle sweeper for the best operation. Setting of brooms, conveyors, and dust control system will be discussed with emphasis on safety, proper operation, maintenance, and repair.

Class will include troubleshooting of electrical, hydraulic, and pneumatic systems related to sweeping functions.

- Safety
- Sweeper Operation from the Mechanic's Point of View
- Operating Parameters Main and Side Broom Settings and Operation
- Conveyor Systems – Settings, Operation, Maintenance, and Repair
- Dust Control System – Settings, Operation, Maintenance, and Repair
- Operating and Emptying the Hopper
- Water Pumps and Spray Nozzles
- Maintenance of the Sweeper – Maintenance Schedule
- Hydraulic System
- Pneumatic System
- Electrical System
- Troubleshooting all sweeper systems
- Power Systems

Who should attend: New and experienced maintenance personnel and mechanics who want a better understanding of the Elgin Waterless Eagle sweeper.

Dates Offered:
April 24-25

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates
Broom Badger Sweepers for Mechanics

Objectives:

This two day class is designed to familiarize the mechanic with the Broom Badger sweeper. We will include setting and maintaining the sweeper for the best operation. Setting of brooms and elevators will be discussed with emphasis on safety, proper operation, maintenance, and repair.

Technicians will learn troubleshooting of electrical and hydraulic systems as related to sweeping functions.

- Safety
- Sweeper Operation from the Mechanic’s Point of View
- Operating Parameters Main (Center) and Side Broom Settings and Operation
- Elevator Systems – Settings, Operation, Maintenance, and Repair
- Operating and Emptying the Hopper
- Water Pumps and Spray Nozzles
- Maintenance of the Sweeper – Maintenance Schedule
- Hydraulic System
- Electrical and Electronic Systems
- Troubleshooting all sweeper systems
- Power Systems

Who should attend: New and experienced maintenance personnel and mechanics who want a better understanding of the Broom Badger sweeper.

Dates Offered:

June 12-13

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates
Crosswind Sweepers For Mechanics

Objectives:

This three day class is designed to help mechanics set and maintain the Crosswind sweeper for the best operation. Setting of brooms and pickup heads will be discussed with emphasis on safety, proper operation, maintenance, and repair.

Technicians will learn troubleshooting of electrical, pneumatic, and hydraulic systems related to sweeping functions. We will discuss use of and troubleshooting of the wandering hose and high pressure wash system.

- Safety
- Regenerative Air Sweepers – Identifying main components
- Sweeper Operation from the mechanic’s point of view
- Setting and Operating the Side and Pickup Head Brooms
- Setting and Operating the Pickup Head
- Impellers - Air System operation, impeller replacement, and repair
- Maintenance and Maintenance Schedule
- Hydraulic System
- Pneumatic System
- Electrical Systems
- Electronics and the Electronic Service Tool
- Water pumps and spray nozzles
- High pressure water and nozzles
- Operating the Wandering Hose and High Pressure Wash System
- Troubleshooting all sweeper systems
- Operating and emptying the Hopper
- Shared Power system
- Power Systems – Diesel and CNG, including the Tier 4 Final John Deere engine.

Who should attend: New and experienced maintenance personnel and mechanics who want a better understanding of the Elgin Crosswind sweeper line.

Dates Offered:

May 22-24
September 11-13

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates
Vacuum Sweepers for Mechanics

Objectives:

This three day class is designed to help mechanics set and maintain the Whirlwind and Megawind sweeper for the best operation. Setting of brooms and nozzles will be discussed with emphasis on safety, proper operation, maintenance, and repair.

Technicians will learn troubleshooting of electrical, pneumatic, and hydraulic systems related to sweeping functions. We will discuss use of and troubleshooting of the wandering hose and high pressure wash system.

- Safety
- Vacuum Sweepers – identifying main components
- Sweeper Operation from the mechanic’s point of view
- Setting and Operating the Side and Center Brooms
- Setting and Operating the Nozzle(s)
- Impellers, Air System operation, impeller replacement, and repair
- Maintenance and Maintenance Schedule
- Hydraulic System
- Pneumatic System
- Electrical Systems
- Electronics and the Electronic Service Tool
- Water pumps and spray nozzles
- High pressure water and nozzles
- Operating the Wandering Hose and High Pressure Wash System
- Troubleshooting all sweeper systems
- Operating and emptying the Hopper
- Shared Power system
- Power Systems including the Tier 4 Final John Deere engine

Who should attend: New and experienced maintenance personnel and mechanics who want a better understanding of the Elgin vacuum sweeper line.

Dates Offered:

April 10-12
August 21-23

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates
Advanced Service Tool Diagnostics – Vansco Systems (Prerequisite Required – See Below)

Objectives:

This three day class is designed to help the Technician diagnose issues on any Elgin product using electrical diagnosis and the Elgin Service Tool (Vansco System). Time will be spent in the classroom and lab. Hands-on modules will give your technicians experience that will help them solve problems back at their shops. Your technician will receive in-depth training with the service tool. This class will cover all Elgin products with Vansco electronic systems.

Each technician must bring a laptop with the Elgin service tool installed. Class starts Tuesday with checking the technician’s computers and ensuring the service tool functions (required). The technician will be required to connect to a sweeper and use the tool.

- Diagnostic Procedure
- Electrical Systems – Reading and applying schematics
- Electrical System diagnosis and repair
- Electronic Service Tool – Vansco
- Hands-on labs for Electrical and Electronic systems
- Information systems for Elgin Technicians

This class meets Tuesday at 8:30 AM through Thursday at 4:00 PM. Attendance at the entire session is required.

Who should attend: Technicians wanting to improve their ability to use the Elgin Service Tool and troubleshoot issues on all Elgin products with Vansco systems.

Prerequisites:
Technicians must have completed a standard class within the last 3 years on Four-Wheel Mechanical Sweepers, Crosswind Sweepers, or Vacuum Sweepers before attending.

Dates offered:

July 17-19
October 16-18

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates
Advanced Service Tool Diagnostics – Danfoss Systems (Prerequisite Required – See Below)

Objectives:

This three day class is designed to help the Technician diagnose issues on the Elgin Pelican using electrical diagnosis and the Elgin Service Tool (Danfoss System). Time will be spent in the classroom and lab. Hands-on modules will give your technicians experience that will help them solve problems back at their shops. Your technician will receive in-depth training with the service tool. This class will cover the Danfoss system in the current Pelican.

Each technician must bring a laptop with the Elgin service tool installed. Class starts Tuesday with checking the technician's computers and ensuring the service tool functions (required). The technician will be required to connect to a sweeper and use the tool.

- Diagnostic Procedure
- Electrical Systems – Reading and applying schematics
- Electrical System diagnosis and repair
- Electronic Service Tool – Danfoss
- Hands-on labs for Electrical and Electronic systems
- Information systems for Elgin Technicians

This class meets Tuesday at 8:30 AM through Thursday at 4:00 PM. Attendance to the entire session is required.

Who should attend: Technicians wanting to improve their ability to use the Elgin Service Tool and troubleshoot issues on Elgin Pelicans with Danfoss systems.

Prerequisites:
Technicians must have completed the standard Pelican Sweepers for Mechanics class within the last 3 years before attending.

Dates Offered:

April 17-19
October 23-25

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates
**Advanced Single Engine Crosswind Repair and Diagnosis (Prerequisite Required – See Below)**

**Objectives:**

Building on the Crosswind Sweepers for Mechanics training, this three day class is designed to prepare the technician for work on the new Single Engine Crosswind. Time will be spent in the classroom and lab. Hands-on modules will give your technicians experience that will help them solve problems back at their shops.

Each technician should bring a laptop so they can install the BODAS service tool for the VPD system.

- Variable Power Divider – Operation, R&R, and Diagnostic Procedure
- Hydrostatic Drive system for Impeller Fan
- Electrical Systems – Reading and applying schematics
- Electrical System diagnosis and repair
- Electronic Service Tool – BODAS tool for VPD system
- Hands-on labs for Electrical and Electronic systems
- Information systems for Elgin Technicians

This class meets Tuesday at 8:30 AM through Thursday at 4:00 PM. Attendance at the entire session is required.

**Who should attend:** Technicians expecting to work on the new Single Engine Crosswind.

**Prerequisites:**
Technicians must have completed the standard Crosswind Sweepers for Mechanics class within the last 3 years before attending.

**Dates offered:**

July 24-26

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates.
Vactor 2100 Plus Operators

Objectives:

This three day class is designed to help operators and new mechanics set up and maintain the Vactor 2100 Plus for the best operation. Engaging the hydraulics, rodder pump and vacuum systems (fan and PD units) will be discussed with emphasis on safety, proper operation, maintenance, and repair.

Class will include basic troubleshooting of systems related to sewer cleaning including the boom and high pressure water system. Discussion will include how to set the Vactor unit up for various applications.

- Pre-Trip Unit Inspections
- Arriving at the Job Site and Man Hole Setup
- Job Site Safety
- Nozzle Selection and Step Cleaning
- Setting and Operating the Nozzle(s)
- Troubleshooting the Rodder Pump
- Clean Fill Techniques
- Options Used for Specific Application
- Hose Reel Basics
- Boom Systems and Options
- Filtration and Vacuum Systems
- Dumping the Debris Body
- Wash Down at the Dump Site and Seal Inspection
- Maintenance and Maintenance Schedule

Who should attend: New and experienced operators, new mechanics, supervisory or demonstration personnel who want a better understanding of the Vactor 2100 Plus operations

Dates Offered:

April 3-5
May 15-17
September 11-13
October 9-11

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates.
Vactor 2100 Plus Mechanics

Objectives:

This three day class will give experienced mechanics operational information to confirm diagnosis, repair, maintenance and system troubleshooting. We will spend approximately half the time in the hands-on lab and the other half in a lecture setting. Mechanics will learn how to troubleshoot the rodder pump, hose reel, boom systems, vacuum systems (fan and PD), hydraulic (SEF fans), pneumatic and electrical/electronic systems using the Intelliview’s diagnostic screens.

Mechanics will disassemble the rodder pump and fan used in their Vactor units. The technicians will make a repair to the thermoplastic hose and learn how to test it. We will demonstrate the proper use of the flow meter and pressure gauge for water system diagnosis. This class will provide a basic introduction to the electronic control systems. The technician must take this class before the Advanced class.

- Basic Operation for Repair Confirmation
- Understand Hose Reel, Rodder Pump, Boom and Intelliview Function
- Intelliview for Diagnostic Assistance
- How to Use the Diagnostic Manual
- How to Manually Override Hydraulic and Pneumatic Functions
- Intelliview for diagnostic assistance
- Diagnose Rodder Pump Problems and Failures
- Rodder Pump Rebuild
- Diagnose Vacuum-Related Problems
- Blower Inspection and Fan Rebuild
- Hydraulic Component Identification

Who should attend: New and experienced mechanics or supervisory personnel that need to have a better understanding of the Vactor 2100 Plus repair procedures and recommendations.

Dates Offered:

March 27-29
April 17-19
May 8-10
May 22-24
June 12-14
July 10-12
July 24-26
October 16-18

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates.
HXX Mechanics

Objectives:

This three day class will give technicians operational information to confirm diagnosis, repair, maintenance and system troubleshooting. We will spend approximately half the time in the hands-on lab and the other half in a lecture setting.

Mechanics will learn how to troubleshoot the high pressure CAT pump, boom systems, vacuum systems, hydraulic, pneumatic and electrical/electronic systems. The electronic diagnostic process will be covered thoroughly. Mechanics will disassemble the head on the CAT pump and fan used in their HXX units and perform a blower inspection.

Please provide your Vactor serial number for your HXX product so the trainer can cover the attendee’s specific model.

HXX products discussed will include HXX and Prodigy

- Basic Operation for Repair Confirmation
- Intelliview Function
- How to Use the Diagnostic Manual and Schematics Together
- How to Manually Override Hydraulic and Pneumatic Functions
- Intelliview for diagnostic assistance
- Introduction to Electrical/Electronic (CAN Diagnostics and I/O’s) Troubleshooting and Repairs
- Diagnose CAT Pump Problems and Failures
- CAT Pump Head Rebuild
- Diagnose Vacuum-Related Problems
- Blower Inspection and Fan Rebuild
- Hydraulic Component Identification

Who should attend: New and experienced mechanics that need to have a better understanding of the HXX repair procedures and recommendations.

Dates Offered:

April 24-26
August 14-16
September 18-20

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates.
HXX Paradigm Mechanics

Objectives:

This two day class will give technicians operational information to confirm diagnosis, repair, maintenance and system troubleshooting. We will spend approximately half the time in the hands-on lab and the other half in a lecture setting.

Mechanics will learn how to troubleshoot the high pressure CAT pump, boom systems, vacuum systems, hydraulic, pneumatic and electrical/electronic systems. The electronic diagnostic process will be covered thoroughly. Mechanics will disassemble the head on the CAT pump used in their HXX units and perform a blower inspection.

Please provide your Vactor serial number for your Paradigm so the trainer can cover the attendee’s specific options.

- Basic operation for repair confirmation
- Intelliview function
- How to use the diagnostic manual and schematics together
- How to manually override hydraulic and pneumatic functions
- Intelliview for diagnostic assistance
- Introduction to electrical/electronic (CAN diagnostics and I/Os) troubleshooting, repairs
- Diagnose CAT pump problems and failures
- CAT pump head rebuild
- Diagnose vacuum related problems
- Blower inspection
- Hydraulic component identification

Who should attend: New and experienced mechanics that need to have a better understanding of HXX Paradigm repair procedures and recommendations.

Dates Offered:

August 7-8

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates.
Guzzler CL E

Objectives:

This two day class will give technicians operational information to confirm diagnosis, repair, maintenance and system troubleshooting. We will spend approximately half the time in the hands-on lab and the other half in a lecture setting.

Mechanics will learn how to troubleshoot the broom systems, vacuum systems, hydraulic, pneumatic and electrical/electronic systems.

- Basic Operation for Repair Confirmation
- How to Manually Override Hydraulic and Pneumatic Functions
- Electrical/Electronic Troubleshooting, Diagnostics and Repairs
- Diagnose Vacuum Related Problems
- Blower Inspection
- Hydraulic Component Identification

If any special option packages are needed, please inform at registration to ensure the material is covered:

Who should attend: New and experienced mechanics that need to have a better understanding of the Guzzler repair procedures and recommendations.

Dates Offered:

June 5-6
July 17-18

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates.
Advanced 2100 Plus Electronic Troubleshooting
(Prerequisite Required - See Below)

Objectives:

This three day class will give experienced technicians diagnostic information to perform repairs, system troubleshooting and maintenance. We will spend approximately half the time in the hands-on lab and the other half in a lecture setting.

Technicians will learn how to troubleshoot the boom systems, vacuum systems, hydraulic, and pneumatic systems using the on-board electrical/electronic systems.

- Intelliview navigation
- Intelliview for diagnostic assistance
- How to manually override hydraulic and pneumatic functions
- Electrical/electronic troubleshooting
- CANbus diagnostics
- How to use the diagnostic manual
- Electronics, basic electrical, preliminary checks, levels 1 and 2 diagnostics from the Intelliview screens
- Using the schematics to compliment the diagnostic process

This class meets Tuesday at 8:30 AM through Thursday at 4:00 PM. Attendance at the entire session is required.

Who should attend: Technicians wanting to improve their ability to troubleshoot 2100 Plus function and electronic systems.

Prerequisites:
Technicians must have completed the standard 2100 Plus Mechanics class within the last 3 years before attending.

Dates Offered:

June 19-21
October 23-25

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates.
Advanced HXX Electronics Troubleshooting
(Prerequisite Required - See Below)

Objectives:

This three day class will give experienced technicians diagnostic information to perform repairs, system troubleshooting and maintenance. We will spend approximately half the time in the hands-on lab and the other half in a lecture setting.

Technicians will learn how to troubleshoot the boom systems, vacuum systems, hydraulic, water heaters, water pumps, pneumatic systems using the on-board electrical/electronic systems.

Please provide your Vactor serial number for your HXX product so the trainer can cover the attendee’s specific model. **HXX products discussed will include HXX and Prodigy.**

- Intelliview function
- Intelliview for diagnostic assistance
- How to manually override hydraulic and pneumatic functions
- Electrical/electronic troubleshooting
- CANbus diagnostics
- How to use the diagnostic manual
- Electronics, basic electrical, preliminary checks, levels 1 and 2 diagnostics from the Intelliview screens
- Using the schematics to compliment the diagnostic process
- Diagnose electronic controls of vacuum related problems

This class meets Tuesday at 8:30 AM through Thursday at 4:00 PM. Attendance at the entire session is required.

Who should attend: Technicians wanting to improve their ability to troubleshoot HXX function and electronic systems.

Prerequisites:
Technicians must have completed the standard HXX Mechanics class within the last 3 years before attending.

Dates Offered:

August 21-23

Dates are subject to change. See www.esgtechtraining.eventbrite.com for current dates.
Request for Field Training for Elgin, Vactor, or Guzzler Products

Field training is available for dealers or customers (end users) on all products. Mechanics training or a combination of operator/maintenance training is available.

The cost for field training is the same regardless of product. First day in a location is $2500 per trainer, each additional day in the same location is $1500 per trainer, plus trainer’s expenses. Please discuss location with your Dealer and Vactor or Elgin Technical Training Department for approval.

Requests for Vactor operator training must be submitted through the dealer for our 2100 Plus. Direct calls to Vactor Manufacturing for operator Training will be directed to our Right Start Team for consideration and/or scheduling.

For the HXX and Guzzler products, please contact your Regional Sales Representative, FS Solutions store, or go to EventBrite.com.

The dealer must fill out the Request for Field Training form. All requests must be received a minimum of ninety (90) days before any requested date.

Register your request at the following:

http://requestfieldtraining.eventbrite.com

Host’s Responsibility:

● Dealer is responsible to register with our online registration program
● Obtain approved school start and completion dates from Technical Training department.
● Coordinate all matters concerning attendance
● Provide adequate meeting space for presentations using a screen and ensure writing space for all attendees, as agreed upon with Technical Training Department.
● Have a unit or units on-hand at training site for walkaround training sessions
● Provide presentation equipment (projector, screen, flip chart). Ensure meeting room is setup and maintained for duration of the meeting.
● Provide all refreshments and/or meals for attendees.
● Provide sign-in sheet of all attendees to trainer.

Trainer’s Responsibility:

● Provide presentation materials for video, projector, slide, or overhead presentation.
● Provide training manuals for each attendee. (Cost of manual will be billed)

Notice: Field Training assignments will only be accepted as time and scheduling permits.