



Plenty of seals and seal components to inspect and check out. Take a look at some failed seals and learn how to troubleshoot what went wrong and how to keep these problems from happening in your facility.

Only 20 seats per class. If you want to come PLEASE register early

Date: November 8th, 2017 Wednesday

Pick your session

Morning Session: 7:00 — 9:30 AM

Afternoon Session: 1:00 — 3:30 PM

Location: Hands-On Training Center

2860 Ogletown Road

Ogletown (Newark) DE 19711

REGISTRATION?

Call or email

302.690.0871 Tom Davis (MTI)

302.593.2698 Frank Rowe (MTI)

856.986.1437 Phil Sneeringer (Flowserve)

mechanicalengineer@pobox.com

psneeringer@flowserve.com

Website: www.mtroubleshooting.com

Emailing Us? Tell us:

Which session? AM or PM

Names of people who are coming?

Company Name and Address

Phone number & email

YOU MUST REGISTER TO ATTEND

Seats are limited

**Maintenance Troubleshooting International
Training Center
2860 Ogletown Road
Ogletown (Newark) DE 19711**

DIRECTIONS

**From I-95 take the Rt 273 West Exit
(toward Newark, DE)**

**Keep on Rt. 273 West and Go 4 lights
Left at the Light and Go One Block to
Stop Sign**

**Turn right at the stop sign
(Little Saigon Restaurant on your right)**

**Go one block look for us at the
GFP Industrial Center on the Right
Parking in the Front and Back**

About our Training Center

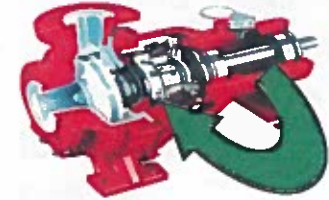
- **MORE THAN 50% HANDS-ON EXPERIENCE**
- SUPERVISED INSTRUCTION
- INDUSTRIAL EXPERIENCED TRAINERS
- INDIVIDUAL ONE-ON-ONE ASSISTANCE
- YOU WORK ON REAL EQUIPMENT
- **ALL THE TOOLING AND TOOLS PROVIDED**
- PLENTY OF SPACE TO WORK
- VIDEO AND INSTRUCTOR LEAD CLASSES
- **PRACTICE WHAT YOU LEARN IMMEDIATELY**
- LEAVE THE CLASS KNOWING HOW TO DO IT
- BOOKS INCLUDED FOR FUTURE FIELD WORK
- RELAXING AND CHALLENGING ATMOSPHERE
- **NO INTERRUPTIONS TO YOUR LEARNING**
- MEET OTHERS TO SHARE EXPERIENCES
- REAL SWITCH GEAR — REAL PUMPS
- WE USE THE MOST MODERN INSTRUMENTS
- HAVE SOME FUN WHILE YOU LEARN
- LEARN HOW TO DO THE JOB RIGHT, THE FIRST TIME - EVERYTIME
- GET TRIBAL KNOWLEDGE FROM OLD TIMERS
- INEXPENSIVE COST PER STUDENT

MAINTENANCE TROUBLESHOOTING

**Hands-On Training Center
2860 Ogletown Road Newark, DE 19711**

In Partnership with 

**Learn About
Mechanical Seals from
Two World Class Experts**



FREE Mechanical Seal Seminar

**YOU MUST REGISTER
Two sessions available**

**Morning Session
7:00 AM - 9:30 AM**

Coffee and Donuts Provided

**Afternoon Session
1:00 PM - 3:30 PM**

Soda and Snack Provided

NOVEMBER 8, 2017

Without a doubt, mechanical seals are the most confusing and least understood component of a pump.

Do you know what these are?

- Tandem Seal
- Double Seal
- Balanced Seal
- Unbalanced Seal
- Cartridge Seal
- Component Seal
- Light Band Flatness
- Stationary Element
- Rotating Element
 - Static Seal
 - Optical Flat
 - Monochromatic Light
 - Seal Chamber
- API Seal Arrangements

Here's a chance to learn about these seals and installation techniques as well as SEE them.

Lots of seals to touch, feel and look at.

Seriously, at the

Maintenance Troubleshooting Hands-On Training Center would you expect anything less?

Questions? Answers !!!
Come to the FREE seminar...

Do properly installed mechanical seals leak?

Have you ever wanted to know if you can touch the seal faces or not? What happens if you do?

Do mechanical seal faces lap themselves together while they are running? Is that how they work?

What is the biggest installation problem that causes premature seal failure? How can you prevent it?

What about coupling alignment vs. mechanical seal life?

Are mechanical seals always better than packing? Are there still places to use packing?

Can you purchase a better longer lasting seal than was supplied by the OEM pump vendor?

Meet Our Seminar Experts



Bassem Gabra is a mechanical engineer with Flowserve's Applied Technical Solutions Group with an impressive industrial background in mechanical seal design, seal engineering, and field troubleshooting. He is a senior mechanical engineer handling technical services for the Northeast region for 10 years. Before that Bassem worked for Kingsbury Bearings and Eaton Aerospace in the world of mechanical design. And if that wasn't enough, Mr. Gabra worked for John Crane (the oldest seal company in the USA) as a mechanical designer and reliability engineer. Bassem was awarded Flowserve's 2016 Engineer of the Year for coming up with the only mechanical seal in the business that could seal Latex Polymer successfully.



Ed Kreibick is mechanical engineer holding a title of engineering manager with Flowserve. He has a history as a vibration analyst as well as 16 years of pump and mechanical seal experience. Ed's career spans employment by DuPont as a rotating machinery engineer and as an on-site rotating equipment specialist for Exxon. Ed's history of field exposure to real world equipment repair qualifies him as an expert. As a home project he once converted VW diesel to run on 100% homemade bio-diesel fuel. Regrettably he was persuaded (with a significant cash offer) to trade the car after VW was caught cheating emission testing.