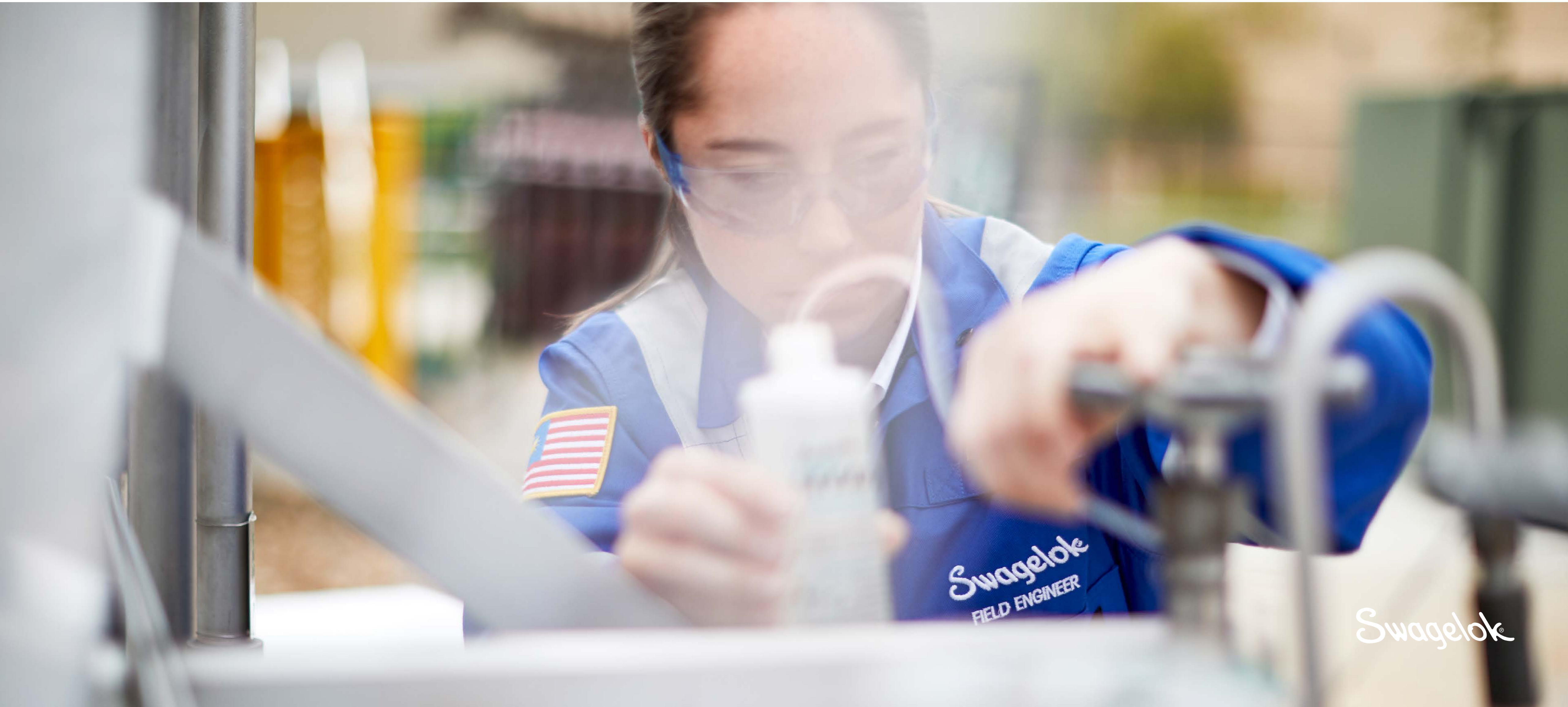


# Swagelok® Onsite Services

Local Solutions. Global Support.



Swagelok®

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## Onsite Services Help Promote Safety

Protect your people, systems, and reputation from potential safety incidents or violations by using Swagelok field engineers to recommend and help prioritize the implementation of solutions and supervise installation as needed. Capabilities include:

- Process and design recommendations
- Personalized training
- Product selection assistance
- Leak identification
- Fluid, sample, and steam system analysis



## Onsite Services Help Reduce Costs

Swagelok field engineers can uncover the most efficient and effective means of reducing costs related to fluid system operations and maintenance by identifying:

- Design optimization opportunities
- System standardization opportunities
- Installation errors
- Costly leak points
- Ideal components for the application



## Onsite Services Help Increase Uptime and Reliability

Swagelok fluid system experts help you maintain the health of your fluid systems, avoiding equipment downtime, lost production revenue, and unnecessary troubleshooting and repairs. Our ability to find and measure the scale of fluid system problems, prioritize improvement recommendations, and supervise installation will help you with:

- Optimized sampling system design
- High-quality component selection for peak life span
- System component documentation for easy reorder
- Leak detection and potential failure point identification
- Hose selection, documentation, installation, and maintenance recommendations



## Onsite Services Help Optimize Resources

If you're being asked to do more with reduced budgets and fewer experienced staff, we can help you make the most of your limited resources. Receive recommendations to streamline system installation, lower maintenance and repair requirements, and improve system designs. Through onsite services, we offer:

- Design services
- Fabrication and assembly services
- Training on product installation and best practices
- Product selection consulting
- Bill of materials (BOM) and piping and instrumentation diagram (P&ID) generation
- Leak identification and repair prioritization
- Preventive maintenance recommendations



## Our Onsite Services

Whether you are seeking to ensure reliable fluid system operation, boost process efficiency, reduce unplanned downtime, increase processing margins, lower operating costs, or all of the above, find out how you can move closer to achieving your goals through Swagelok® onsite services.

Explore Swagelok Onsite Services:

- Fluid System Evaluation & Advisory
- Sampling System Evaluation & Advisory
- Compressed Gas Leak Detection
- Grab Sampling Support
- Hose Advisory

[LEARN MORE](#)

[VIEW REPORT EXAMPLE](#)



## Fluid System Evaluation & Advisory Services

Have our field engineers conduct a site evaluation of your facility, detect and calculate costs of leaks, advise on design and installation practices, and recommend prioritized system enhancements in a comprehensive report. Our report will provide solutions that address vibration concerns, corrosion potential, incorrect component choice or installation, inadequate supports, and more.

Receive the insights you need to:

- Improve fluid system performance, productivity, and reliability
- Enhance the safety of your fluid systems
- Reduce costs related to downtime
- Mitigate environmental risks and reduce emissions

[LEARN MORE](#)

[VIDEO: Hear Field Engineers Explain How They Work With Customers](#)

## Sampling System Evaluation & Advisory Services

Improve sampling system reliability, reduce operating and maintenance costs, and identify unseen opportunities for system improvement with our expert, in-depth analysis of every sampling system component and subsystem, from tap to analyzer.

We document your existing sampling systems and provide a detailed report, helping you:

- Decrease time delays
- Obtain more representative samples
- Eliminate causes of poor sample quality
- Reduce required maintenance and analyzer calibration/downtime
- Resolve issues caused by high particulate loads
- Make the right design choices and integrate the right assemblies

[LEARN MORE](#)

[VIDEO: How We Solve Common Sampling System Challenges](#)



## Compressed Gas Leak Detection

Fluid system leaks carry associated costs and can introduce avoidable safety risks. We help you identify leaks, quantify leak rates, and provide a comprehensive report with prioritized solutions to the most critical issues based on safety, cost, and productivity.

Swagelok® leak detection services provide recommendations to help you:

- Mitigate safety risks
- Improve fluid system efficiency
- Increase reliability of outputs
- Reduce energy consumption
- Reduce operating costs associated with gas leaks
- Reduce emissions in everyday plant operations

[LEARN MORE](#)

[CASE STUDY: Leak Detection Evaluation Leads to Significant Savings](#)



## Grab Sampling Support

Without proper grab sampling system design and maintenance, critical actions like capturing, handling, or analyzing samples that are timely and representative of your process can be difficult to achieve. Work with our experts to produce more accurate, compliant, safe samples while reducing your costs.

Our team of certified fluid system specialists can:

- Identify issues affecting sample quality and compliance
- Provide insights to make grab sampling systems safe and more accurate
- Reduce required maintenance and analyzer downtime by optimizing system design
- Design and assemble reliable, tested grab sampling systems

[LEARN MORE](#)

[ARTICLE: See How to Reduce Plant Costs with Smarter Grab Sampling](#)



## Hose Advisory Services

Eliminate a variety of hose-related issues that cause safety concerns, unplanned downtime, low product yield, or costly part replacements by engaging with Swagelok hose advisors who conduct site evaluations and provide prioritized improvement recommendations.

We help you by:

- Providing feedback on hoses, installation, inspection, and maintenance
- Explaining hose selection criteria to improve hose life and performance
- Suggesting standardized end connections and couplings
- Developing preventive maintenance schedules and managing inventory
- Documenting hose installation and wear concerns

[LEARN MORE](#)

[VIDEO: See How Hose Advisory Services Can Benefit You](#)



## Discover the Swagelok Difference

Swagelok® onsite services are driven by local field engineers and fluid system specialists who provide rapid support, application expertise, and actionable recommendations to help customers increase operator safety, decrease costs, and improve profitability.

When you work with Swagelok, you have access to a team that:

- Is engineered to perform under pressure, built upon a foundation of success started 70+ years ago
- Completes a rigorous training and development program taught by recognized industry experts
- Has experience working with diverse industrial fluid systems and OEM equipment packages
- Is supported by a global network of experienced professionals with ties to more than 200 authorized sales and service centers in 70 countries
- Has designed and optimized systems that overcome challenges for a broad variety of customers worldwide

[LEARN MORE](#)

[VIEW REPORT EXAMPLE](#)



Swagelok®  
FIELD ENGINEER



## Make More Informed Decisions

Upon completion of our onsite services, you will receive a comprehensive report that identifies key issues and recommended solutions, including:

- Costs of existing, unrepaired leaks
- Concerns categorized by severity
- Photos to clearly identify locations of problems
- Steps that can be taken to remedy them

Fluid System Evaluation and Advisory Service

Customer Name : Site Name

Appendix C - Issues by Issue Tag ID

Issue Tag ID : 0001

Plant Area: Air Supply

Customer Tag ID: PI-120C

Location: North Side of Plant

GPS Location:

Part Description: 0-100 PSIG Pressure Gauge

Process Fluid: Air

Pressure: 100 psig

Temperature: 70 F

Issue: Incorrect Part

Description: Gauge is being used near max range which may cause damage and

Other Findings:

Possible Solution: Replace component(s) according to manufacturer's instructions

Ultrasound dB:

Ultrasound ID:

Part Material: S

Connection Type:

Connection Size:

Type of Part: M

Manufacturer: U

Part Number:

Equiv Swagelok Part: P

Fluid System Evaluation and Advisory Service

Customer Name : Site Name

Appendix A - Issues by Category

Issue Category : 1

(Number of Issues in this Category : 3)

| Issue Tag ID | Part Type | Issue      | Plant Area | Cust Tag ID | Description   | Fixed                    |
|--------------|-----------|------------|------------|-------------|---|--------------------------|
| 0003         | Hose      | Small Leak | Air Supply | F0012       | Leakage apparent by snoop testing at end connection. Hose cover | <input type="checkbox"/> |
| 0009         | Fittings  |            |            |             |   |                          |
| 0004         | Fittings  |            |            |             |   |                          |

Issue Category : 2

Fluid System Evaluation and Advisory Service

Customer Name : Site Name

Appendix B - Issues by Plant Area

Plant Area : Air Supply

(Number of Issues in this Plant Area : 9)

| Issue Tag ID | Part Type | Issue      | Category | Cust Tag ID | Description   | Fixed                    |
|--------------|-----------|------------|----------|-------------|---|--------------------------|
| 0008         | Fittings  | Small Leak | 2        | CV 0045     | Leak at fitting end connection detected by Snoop, appears to be missing PTFE tape | <input type="checkbox"/> |
| 0006         | Valves    | Corrosion  | 2        | CV 0087     | Valve displaying corrosion which may  | <input type="checkbox"/> |
| 0007         |           |            |          |             |   |                          |
| 0003         |           |            |          |             |   |                          |
| 0005         |           |            |          |             |   |                          |
| 0002         |           |            |          |             |   |                          |

Fluid System Evaluation and Advisory Services™ – Service Report

FINDINGS AND RECOMMENDATIONS

Tube Clamps

Tube support is an important part of a safe reliable small-bore tube system, especially in applications where the system is exposed to vibration. Without adequate support the system will continually suffer with leaks and potential failure.

The condition of the tube support system is in very poor condition across the installed tube on the vessel topside modules. The condition of the clamps and their support structures is rendering them ineffective in their purpose and actually causing further damage to the tube it is intended to support. The main issues noted were:

- Clamps have broken away from their supports leaving the tube effectively unsupported.
- Corrosion of the supports is expanding under the clamp, putting pressure on the clamp, causing it to split.
- Potential pitting corrosion of the tube under the clamps (clamps to be removed to fully inspect the tube).
- Incorrect assembly/use of clamps and supports (incorrect size clamps, cable ties)

## Contact Us

Find out how Swagelok onsite services can help you achieve the fluid system performance you need.

Swagelok Alabama | Central & South Florida | West Tennessee

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