OUR EVALUATION AND ADVISORY SERVICES CAN HELP STRENGTHEN YOUR PROCESSES, SAFEGUARD YOUR OPERATIONS AND POSITION YOU FOR SUCCESS.

WORLD-CLASS. UNBIASED. UN-PARALLELED.
SOMETIMES YOU DON’T KNOW WHAT YOU NEED - UNTIL YOU NEED IT.

Swagelok Evaluation and Advisory Services can help you run your plant smoother. We’ll take a deeper look at your systems and provide you with knowledge and advice to get you where you need to be.

ARE YOU EXPERIENCING ANY OF THESE PROBLEMS?

- Corrosion
- Leakage
- Mechanical Damage
- Vibration
- Tube Bends and Routing
- Material Compatibility
- Improper Installation and Orientation
- Incompatibility of connecting components of different brands
- Hose and End Connection Damages
- Issues on flow/temperature/pressure
- Not getting timely response on sampling systems
- Not getting representative results
FLUID SYSTEMS EVALUATION AND ADVISORY SERVICES

This service is tailored to assure safe, cost effective and efficient maintenance of your fluid systems. We will help check for leakage through fitting and valve reliability inspection and tubing practices assessment. We will look through issues like corrosion and improper installation that you might not know exists. Our aim is to strengthen fluid system performance and efficiency by reporting in detail the condition of Swagelok and non-Swagelok products along with suggestions which range from an urgent need for replacements to improvements for planned maintenance.

SAMPLE SYSTEMS EVALUATION AND ADVISORY SERVICES

As your solution partner, improving sample system reliability is not only your concern but ours as well. With our expert, you can look at an in-depth analysis of every component and subsystem you have, from tap to analyzer. We can assist in increasing productivity, reducing operating expenses and maintenance costs and identifying unseen opportunities for overall system improvement by:

- Reducing time delay
- Improving compatibility with your analyzer
- Obtaining more representative samples
GRAB SAMPLE EVALUATION AND ADVISORY SERVICES

Our field engineers can provide an expert analysis of your grab sampling system. We will visit your facility, evaluate your systems and advise on enhancements that will improve your operations. We will identify ways to eliminate potential safety and environmental concerns, obtain more representative samples and improve the reliability of your grab sampling systems.

HOSE ADVISORY SERVICES

This service will help optimize your hose investment by eliminating hose-related issues costing your plant money from unplanned downtime or wasted product. We will provide feedback on hoses, installation, inspection and maintenance. Beyond checking, we will also providing hose selection criteria and suggest standardized end connections and couplings. This will enable the development of preventative maintenance schedules.

COMPRESSED GAS LEAK DETECTION EVALUATION AND ADVISORY SERVICES

We aim to help you increase reliability, reduce energy consumption and reduce emissions in your plants. Our service can translate the cost incurred from energy loss and thus provide ways on how you can reduce operating costs associated with gas leaks.

SWAGELOK ENERGY ADVISORS

Approximately 25% of steam generation is wasted due to flash steam not being recovered, steam leaks, condensate problems and production problems. SEA helps customers reduce energy usage and improve efficiency and safety through training, system evaluation and roadmap implementation.

PRE-COMMISSIONING

This service provides onsite supervision and advisory service to ensure contractors, who are performing site tubing installation, will properly route and install all the site tubing correctly and ensure leak-free lines. Within the pre-commissioning service we will also provide tube installation training and tool rental if necessary.
TOOLS AND EQUIPMENT USED

Swagelok Evaluation and Advisory Services uses a comprehensive range of tools and equipment to digitally capture inspection data. Our reports provide your organization with valuable data to assist in conducting preventive maintenance. This digital information can support your analysis of maintenance patterns which can help extend the lifetime of your assets.

- Digital Ultrasound Gun
- Aegex 10 Intrinsically Safe Tablet
- UT Thickness Gauge
- Thermal Imaging Camera
- Infrared & Contact Thermometer
- Swagelok Snoop Leak Detector
- Swagelok Gap Inspection Gauge
- Swagelok Caliper
- Weather Resistant Tagging
- Distance Wheel / Measuring Tape
- Digital Camera
- Swagelok Vernier
- Intrinsically Safe Light
- H2S Gas Detector
SAMPLE REPORTS

**Issue Tag ID: 03384**

**Category: 3**

- **Plant Area:** Main Deck
- **Customer Tag ID:** SADV02505
- **Location:** 503/504
- **GPS Location:**
- **Part Description:** 3/8 Stainless Steel Nut and Female Set (1 Nut & 1 Female) for 3/8 in. Tube Fitting, Please order in multiples of five
- **Process Fluid:** Instrument Air
- **Type of Part:** Fittings
- **Temperature:** 30°C
- **Part Number:** SS-400-NF8ST
- **Other Findings:** Underbrightened
- **Possible Solution:** Reroll component(s) according to manufacturer's instructions
- **Ultrasound dB:** n/a
- **Ultrasound ID:** n/a

**Issue Tag ID: B2261**

**Category: 4**

- **Plant Area:** Main Deck
- **Customer Tag ID:** Near to SADV41019
- **Location:** C150
- **GPS Location:**
- **Part Description:** Tubing 3/8 in x 0.035 in
- **Process Fluid:** Instrument Air
- **Type of Part:** Tubing
- **Pressure:** 40 psig
- **Temperature:** 30°C
- **Part Number:** SS-400-NS8ST
- **Other Findings:** Damage
- **Possible Solution:** Investigate source of the damage and repair or replace as necessary according to manufacturer's instructions
- **Ultrasound dB:** n/a
- **Ultrasound ID:** n/a

**Issue Tag ID: B2263**

**Category: 4**

- **Plant Area:** MAIN DECK
- **Customer Tag ID:** POT44678
- **Location:** 500/501
- **GPS Location:**
- **Part Description:** Tubing 3/8 in, Wall Thickness
- **Process Fluid:** Process Gas
- **Pressure:** 0.02 bar
- **Temperature:** 30°C
- **Other Findings:** Underbrightened, Equiv Swage Lock Part
- **Possible Solution:** Evaluate routing and modify according to manufacturer's instructions
- **Ultrasound dB:** n/a
- **Ultrasound ID:** n/a

**Issue Tag ID: B2284**

**Category: 4**

- **Plant Area:** Main Deck
- **Customer Tag ID:** PAV05004
- **Location:** 403/404
- **GPS Location:**
- **Part Description:** Tubing 3/8 in, Wall Thickness
- **Process Fluid:** Instrument Air
- **Type of Part:** Tubing
- **Pressure:** 40 psig
- **Temperature:** 30°C
- **Other Findings:** Other
- **Possible Solution:** Evaluate routing and modify according to manufacturer's instructions
- **Ultrasound dB:** n/a
- **Ultrasound ID:** n/a
HOW CAN WE WORK TOGETHER TO ACHIEVE YOUR GOALS?

IF YOU HAVE A PROBLEM
WE WILL ASSESS YOUR PLANT
WE WILL COLLECT DATA AND EVALUATE
WE WILL PROVIDE RECTIFICATION PLANS
WE WILL GET YOUR APPROVAL
WE WILL ACT ON RECOMMENDATIONS

Learn how our Evaluation and Advisory Services can help relieve your pressures. Contact us now!

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