

► Full knowledge of your pipeline leak detection capabilities



KROHNE

PipePatrol Health Check – Complete pipeline leak detection audit

How do you actually know whether your pipeline or pipeline network is sufficiently monitored during all operating conditions? And whether all parts of the system are functioning properly – and whether you are meeting all the legal requirements and industry standards?

Investigations have shown that the main causes of serious consequences from leak events were related to insufficient maintenance and knowledge of the leak detection system and correct alarm management, which could have been avoided by regular checks.

The PipePatrol Health Check is a complete audit of the pipeline leak detection techniques and management approaches to check all areas of leak detection on an operator's pipeline or pipeline network with the goal of ensuring that all the required areas of leak detection are functioning properly.

- Complete audit of all areas of leak detection on an operator's pipeline or pipeline network
- The most comprehensive test program available, covers
 - Fundamental aspects
 - Physical state of the system
 - Performance of the system
 - Compliance with standards and regulations (API, CSA, TRFL, etc.)
- Performed by specialists based on over 35 years of experience in leak detection on over 400 pipeline projects

The most comprehensive audit powered by leak detection experts

The PipePatrol Health Check is the most comprehensive audit program available for pipeline leak detection and covers the physical state of the system, performance of the system, compliance with standards and regulations including API, 49 CFR 195, CSA Z662 and TRFL and fundamental aspects such as the readiness of an organisation to deal with an emergency. It is performed by specialists based on over 35 years of experience in leak detection on over 400 pipeline projects.

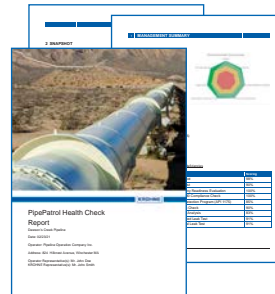
Highly customisable to your needs

A PipePatrol Health Check can be started with a subset of tests to guarantee the most critical issues are addressed. Later, the test program can be extended to full coverage and a long-term test strategy can be implemented. In this way, continuous reliability and improvement are possible. In any case, initial and reoccurring testing of the system is recommended or required by regulation to guarantee consistent performance during the whole lifetime of the system.

Valuable insights into your leak detection process

At the end of the audit, the operator receives

- Detailed report of all the tests performed incl.
 - Overview of the extent to which all requirements have been met.
 - Recommendations depending on the test level how critical points can be improved
- Certificate for the direct proof of the health of his leak detection capabilities



Report



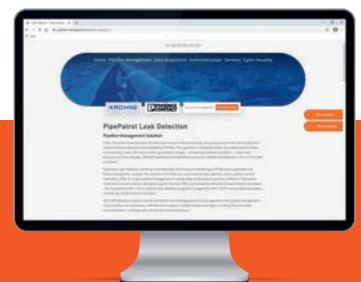
Certificate

Scope of the PipePatrol Health Check audit program

Area	Test	Target
Fundamental aspects	Snapshot	Review the operators' application for leak detection critical characteristics and if they have been considered in the selection of leak detection techniques
	Checklist	Review installed leak detection methods (KPIs) against operator's desired performance, industry best practice and Best Available Technology (BAT); Recommend how to achieve desired KPIs
	Company readiness evaluation	Check if company/pipeline controller personnel is ready to operate the system and react appropriate in case of a leak alarm/real leak
Compliance	API 1130 compliance check	Check, if the operator's computational pipeline monitoring methods and procedures are in line with API RP 1130
	Leak detection program (API 1175)	Evaluate the operators' Leak Detection Program (LDP) according to API RP 1175 using the API RP 1175 Gap Analysis Tool
Physical state	System check	Review the current health and operational status of the leak detection system in place, e.g. hardware operational status, software operational status and cyber security status
	Uptime analysis	Review within the last year how long has the system been running fully functioning, degraded or nonfunctional; Recommend where further analysis of causes for failure or degradation should be done
Performance	Simulated leak test	Review and test installed leak detection system performance and leak response by artificial leak simulation
	Physical leak test	Review and test installed leak detection system performance and leak response by real fluid withdrawal



Visit pipeline-management.com to learn more about PipePatrol – comprehensive suite for the smart monitoring and protection of pipelines



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