ILI EXAM: STORAGE TANK LINES

SOLUTION:
In-Line Pipe Inspection

DIAKONT

Storage Tank Line Inspection

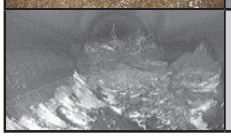
A majority of storage tank lines were built without pig launchers or receivers and have never been inspected. With an emphasis being placed on pipe inspection rather than blind replacement, the industry is faced with the challenge of finding reliable solutions based on proven technology.

Diakont's inspection method meets the industry requirements and has been utilized to inspect pipelines globally since 2004. Diakont's tank line inspection method is based on in-line inspection (ILI) crawler equipped with multiple NDE sensors to detect and measure pipe anomalies such as internal and external corrosion, wall thinning, cracking and more.

From a single access point, Diakont's crawlers can be launched and retrieved to inspect up to 1,800 feet of pipe. Diakont's inspection method is also effective on sections previously considered unpiggable, such as <1.5D bends, mitre bends, and back-to-back elbows.

Typical Defects Detected in Storage Tank Lines

Defects in storage tank lines can potentially trigger leaks or ruptures that cause environmental damage. The following table outlines the defects typically found in storage tank lines:

	**Corrosion** • Potential for leak or rupture
	**Lack of fusion on girth welds** • Potential for leak or rupture
	**Foreign material** • Reduced efficiency

ILI Robot Deployment

Diakont's fleet of versatile robotic ILI tools can be deployed through pipe openings as small as 21" in length. The images below illustrate some of the common deployment techniques utilized for inspecting pipe systems at storage tank farms.


Tank Sump


Flange


Removed Valve


Cut Pipe End

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