



Case Study: Pipe Inspection and Foreign Object Retrieval at Natural Gas Compression Station

Company: Large oil & gas development firm (asset owner) and large industrial construction and maintenance firm (direct customer)

Location: Withheld

Scope of Project:

A construction company building a compression station for a newly built natural gas plant rented a camera from Atlas Inspection Technologies. Upon conducting cursory inspections of process pipes, a significant amount of slag and debris were found. The customer was concerned about contamination and decided the entire piping system (several miles) needed to be inspected and evaluated. The plant was set to go online in a few weeks. A team of two Atlas technicians arrived on-site from Seattle, WA and Sacramento, CA within 48-hours of first contact and directed the inspection program. 12 inspection cameras were rented and on-site and Atlas Inspection Technologies trained and managed the camera operators, none of whom had any prior remote visual experience.

Key Points:

Several problematic pipe and spool sections were discovered and noted, but most significant was the presence of a 5/8" nut inside a 6" pipe going into the compression station discovered during the inspection. Atlas was able to successfully retrieve the foreign object using the camera and a magnetic retrieval tool mounted on sections of interlocking push rod. The customer noted discovery and retrieval of this object more than paid for Atlas' service. Within 72 hours of arriving on site, nearly all of the facility had been inspected.

Special Considerations/Challenges:

- The job site was extremely busy, as crews from multiple companies were working 12 hour shifts to complete the facility by the deadline.
- None of the camera operators Atlas was responsible for overseeing had any prior experience with remote cameras, and had only limited experience with electronic equipment.
- The job site was in a remote location
- The compression station contained a wide variety of pipes of different sizes (<1"-12") and all with multiple 90° bends.
- Since the plant was more than 80% complete, access into the pipe system was difficult, requiring temporary dismantlement of valves and flanges and caused delays.
- Due to the nature of the facility, our customer required additional safety training on-site.

Lead Technician: Anthony Goyet

Direct: 918.221.2475

Mobile: 206.774.8704

Email: antony@atlas-inspection.com

Atlas Inspection Technologies, Inc. 800.281.0650 Toll Free
500 Elliott Avenue West, Suite A 206.774.8704 Local and Intl'
Seattle, WA 98119 USA 206.792.7000 Fax

Rentals • Repairs • Sales • Field Inspections USA • Canada • Europe

www.atlas-inspection.com