

PureMFL™ Metallic Condition Assessment

The most accurate non-destructive testing method for metallic pipelines that measures remaining wall thickness

Magnetic Flux Leakage Technology

Inline Magnetic Flux Leakage (MFL) is used to scan the full circumference and length of a pipeline at an extra-high resolution. MFL scans the pipe through linings to up to one-inch thick to measure the remaining wall thickness and provide depth and location of metal wall loss.

High powered magnets are used to temporarily magnetize ferrous pipelines. Sensors are positioned to record any deviation in the field. If internal or external flaws are present, such as pitting or corrosion, the magnetic field is distorted and measured by the sensors. Contact with the pipe wall is not a requirement to accurately detect flaws.

Inspection Benefits

- MFL inspections locate and quantify the extent of corrosion in metallic pipelines
- Extra High Resolution (XHR) geometry sensors detect dents, bulges, wrinkles, buckles, and other geometric anomalies
- Allows clients to prioritize pipeline repair, replacement and monitoring programs
- The most accurate method of determining remaining wall thickness

