

# 2019

# Case Study



## Georgia Cylinder and Hydro Test, LLC

6100 GA Hwy 20,  
Loganville, GA 30052

## Solutions for a Thriving Company

In 2018, Georgia Cylinder and Hydrotest owner, Ronda Parks, set out to address the concerns her customers had brought to her attention. She recognized the need for a better method of testing low- and high-pressure vessels in the Southeast and was determined to provide it. In addition to being DOT approved, the testing method she was looking for had to be fast, environmentally friendly, cost effective, and most importantly, highly accurate.

These unique requirements brought Ronda and the GCH team to Hexagon Digital Wave to discuss the benefits of Ultrasonic Examination (UE). Unlike traditional testing methods, UE can be conducted without the cylinder's product being discharged, making it quicker and reducing operator overhead. With UE, weeks or months of testing downtime are reduced to hours.

After initial discussions, GCH knew UE would provide the solution they were looking for.

*"I have been very pleased with the performance of the UE17. The education provided by Digital Wave made it a smooth transition from the water jacket to ultrasonic testing."* – Scott Carson, GCH Manager

Since the introduction of UE, GCH has seen its customer base grow and its customer loyalty increase.

*"We strive to identify our customers pain points and eliminate them out right. I'm glad GCH has grown because of UE and I look forward to watching their continued growth."* - Brian Burks, VP of Engineering

With over 3,000 cylinders passing through their UE17 machine a month, GCH has expanded their reach from Ohio to Bermuda using the resources and increased revenue UE has made available to the company.

## Ultrasonic Examination

UE is a form of Non-Destructive Testing (NDT) that uses sound waves to determine the integrity of metallic cylinders. Using calculated sound speeds, thickness measurements can be determined by how long the sound wave takes to leave the transducer, bounce off the inside of the cylinder wall, and return to the transducer. A flaw is identified when the sound wave returns to the transducer at a faster speed than what has been deemed acceptable.

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## Company Overview



Georgia Cylinder and Hydrotest, LLC is a woman owned, DOT authorized requalification facility that specializes in both low- and high-pressure cylinder requalification testing. They now serve the Metro Atlanta area, and the state of Georgia and its surrounding southeastern states.

Since 2015, their aim has been to follow and exceed industry recommended procedures and government regulations concerning care, storage, filling, inspection, and testing of cylinders.

GCH continues to serve a wide variety of industries ranging from Environmental to Technology to Fire Protection.