

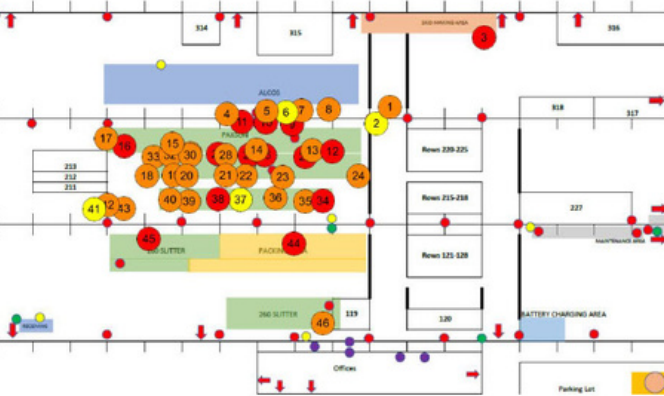


# Leak Detection Study

**The Client:** Olympic Steel

**The Challenge:** Compressor Leaks

**The Solution:** Leak Audit/Detection



1. Olympic Steel Floor Plan



**Our team located a total of 49 leaks, equating to 79.40 cubic feet per minute of wasted flow each year. The leak study also saved \$47,430 for Olympic Steel.**

**Mark Steele, Quincy Sales Engineer**

## THE CLIENT

Founded in 1954, Olympic Steel is a metal services provider in the Mid-Atlantic and Northeast regions. Its operations in Milford, Connecticut, is a premier source of flat-rolled carbon steel, stainless steel and aluminum.

Olympic Steel's expansive geographic footprint allows it to excel in partnerships with national, multi-location accounts and regional customers alike. It has a manufacturing footprint of over 3.7 million square feet and over 30 facilities in North America.

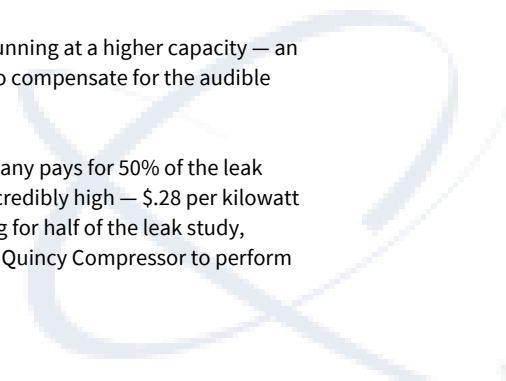
The company is committed to providing national and regional original equipment manufacturers (OEM), fabricators and service centers with quality materials and timely delivery. Its superior service is reflected in its extensive processing facilities network, outstanding sales and high customer satisfaction rankings.

## THE CHALLENGE

Leaks are a common issue facing air compressors, leading to expensive energy losses each year. They can significantly decrease system performance, causing a 25%-50% waste in total output and negatively affecting pressure settings. It only takes a small leak for your business to take a financial hit, leaking large amounts of air over time when left unresolved.

Olympic Steel had air compressors running at a higher capacity — an extra 20 horsepower, to be exact — to compensate for the audible leaks they were experiencing.

In Connecticut, the local utility company pays for 50% of the leak study. The state's cost of power is incredibly high — \$.28 per kilowatt hour. With the utility company paying for half of the leak study, Olympic Steel felt inclined to choose Quincy Compressor to perform the study.



## WORLD'S BEST WARRANTY OFFERING 10-YEAR AIREND

When it comes to reliability, everyone is making the same promise. But when it comes to keeping the promise, Quincy Compressor stands alone. This is why Quincy Compressor offers its exclusive ten-year airend extended warranty that covers both parts and labor on select models. Reliability is about confidence, performance, and trust - every day. Quincy Compressor's Royal Blue Warranty is proving reliability one decade at a time.



### THE SOLUTION

Our experts at Quincy Compressor performed a comprehensive leak study using a 124-microphone acoustic camera. This technology helps you detect leaks quickly, regardless of size. Because it allows you to scan a larger area, you can identify two leaks every five minutes.

The competitor's solution involved one microphone leak detector, which requires the use of headphones due to hearing safety concerns. Additionally, the competitor's technology requires manually scanning a small area, yielding only one leak every 20 minutes. Our Ultrasonic Leak Detection saved valuable customer time while addressing safety concerns.

Our team located a total of 49 leaks, equating to 79.40 cubic feet per minute of wasted flow each year. The leak study also saved \$47,430 for Olympic Steel. We provided them with a comprehensive leak report, which gave them clear priority on what leaks to repair first based on their sizes and price estimations.

Picture	Wasted Flow CFM	Waste Flow Cost \$/year
	7.861	4,696
	4.732	2,827
	4.676	2,793

### UNDENIABLY THE WORLD'S FINEST

Quincy Compressor specializes in compressed air technology, offering top-notch products and services since 1920. Serving the industry for nearly 100 years, Quincy is on the cutting edge, engineering quality and reliability into every offering. Award-winning accomplishments have allowed Quincy to build solid relationships with its customers and achieve compressed air systems best practices. Quincy's flagship products include the QSI and QGV rotary screw compressors, the reciprocating QR-25, QT and Climate Control packages along with its innovative Royal Blue Warranty, widely recognized as among the industry's strongest warranty program.



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