

# SUCCESS ANALYSIS

## SPECIMEN NAME: NSL ANALYTICAL SERVICES INC.



X-ray analysis can be used for ceramic and glass materials.

### VITAL STATISTICS

In business since 1945, NSL Analytical is not only one of the oldest independent materials testing laboratories in the U.S., but also one of the most comprehensive under one roof. Unlike some other labs that only offer certain services in specific geographic areas, NSL is known for its broad range of testing capabilities to serve the aerospace, nuclear, refractory, medical, and metalworking industries, among others. The company's success can be attributed to delivering consistent results demanded by these industries. Another advantage is the ability to produce results in three to five days in most cases, rather than weeks.

The company began as a chemistry lab offering trace element analysis. Over the years, metallurgical evaluations, failure analysis, mechanical testing, consulting services, polymers testing, thermal analysis,



Analyzing samples on the GC-MS in the NSL organic lab.

and several other specialized materials testing services were added to meet the needs for product improvements and research. In 2013, the company invested more than \$1.6 million in an expanded and dedicated metallurgical testing facility just down the street from the analytical lab. The facility has more than 43,000 ft<sup>2</sup> of testing space for instruments and evaluations.

### SUCCESS FACTORS

Company leaders say they can trace success to their anchors of "trust, technology, and turnaround." With the development of an underlying and robust quality system, the lab is able to keep a continuous focus on testing quality. By actively participating in Nadcap committees, ISO, and the ASTM standards organization, the company is helping guide the industry in testing methodologies. Investments continue to be made in a computerized LIMS system (laboratory information management system), state-of-the-art instrumentation, and ongoing training of chemists, metallurgists, and technicians.

### ABOUT THE INNOVATORS

Traditionally, many companies have had to split their testing needs between several different suppliers to meet various requirements, but NSL is able to identify, characterize, and perform other related functions in one stop using a wide range of capabilities and strategic partnerships.

### WHAT'S NEXT

NSL's technical team and the collective power of its scientists to solve challenging problems is helping facilitate growth into new and emerging markets.

#### Contact Details

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