

D.C.A.T.

Defense Compressed Air Testing

The Defense Compressed Air Testing (DCAT) program was developed to support the NAVSEA sponsored, NSWC managed, defense compressed breathing air testing program. This is a program for the periodical verification requirements of compressed breathing air quality. It is open to all branches of the DOD and Homeland Security. We currently have participation from Navy, Marines, Coast Guard, and Army dive operations, Coast Guard, and Army damage control operations plus Coast Guard Aviation. The Naval Surface Warfare Center, Panama City (NSWC, PC) is the administration group and is one of the Navy's major RDT&E facilities, with a wide base of expertise in science and technology, engineering, modeling and simulation, and T&E. With its major tenant commands -The Navy Experimental Diving Unit (NEDU) and Naval Diving and Salvage Training Center (NDSTC)-NSWC, PC provides the nucleus for all Department of Defense diving efforts. NSWC works as an acknowledged world leader in diving and life support to provide the necessary technical expertise throughout all phases of development-from fundamental research through full-scale development into production and tri-service support of underwater and surface life support equipment and systems.

How it works?

Order a kit online, capture a sample of your compressed air, return the kit, and view your results online. Simple and easy! <https://military.airtesting.com/> (To request an Activity Code email Kenneth.Watford@navy.mil)

No Credit Card Authorization or Hassles of Contract Administration.

Your worries are over, **we have established a five (5) year contract** with TRI Air Testing, Inc. to eliminate the need for individual credit card purchases or the hassle contract administration. Every detail of our program is monitored, verified, and tracked thus relieving you of that burden. **Join us and enjoy the simple to use but sophisticated, well-administered program!**

Online Ordering - Easy, Easy, Easy!

Need an **easy way to order** your air sampling kit? Register with DCAT to use our efficient online order processing system and within minutes your order request can be entered and will be processed immediately.

- Orders can be placed 24/7 online for your convenience.
- Just follow the instructions online to receive an activity code and you are ready to place an order. Click on New Customer button.
- Once an order is placed, and the kit is shipped, the email address on the order form will receive an email containing the ship date and the tracking number.

Convenient Online Results

Online results are available within two business days after your air samples are received. You will be able to view or print your results as soon as they are available on our secure web site. The analytical reports are updated daily at noon and 6 PM Central Time. Previous results dating back to early 2004 will also be available thus allowing you to view your compressor historical results.

Don't forget to save this link to your favorites so you can find us when your next air test is due. <https://military.airtesting.com/>. (To request an Activity Code email Kenneth.Watford@navy.mil)

NAVY Demands Quality!

The analytical lab (TRI Air Testing, Inc.) is audited semi-annually by NSWC, PC to verify compliance to ISO/IEC 17025 General Requirements for the Competence of Testing and Calibration Laboratories and with ANSI/ISO/ASQ 9001-2000 Quality Management Systems Requirements. The lab is also required by contract to maintain accreditation through a nationally recognized accreditation organization. This includes proficiency testing to demonstrate the ongoing technical capability. These results are supplied to the DCAT program for quarterly review.

Why TRI?

TRI Air Testing, Inc. (TRI), a Texas Research International, Inc. company, is based in Austin, Texas. TRI is the “Premier” supplier of compressed breathing air testing services throughout the United States. TRI’s technology represents the state of the art for sampling and analysis of compressed breathing air. Their approach to customer service and contract administration assures client satisfaction and full contractual compliance.

Superior Experience

TRI has by far the largest experience base of any supplier of compressed breathing air services in the nation. TRI has been providing compressed air testing services for over 35 years to commercial and Government clients. TRI’s parent company was the original contractor to the Navy’s compressed breathing air testing program when it originally designed and patented the lightweight sampling system for the Navy. TRI currently has a customer base of more than 2,500 clients in all 50 states and 20 foreign countries. We have analyzed more than 250,000 samples and are currently the largest supplier of breathing air analysis services in the country.

Stable Client Base

TRI has a large base of commercial and Government clients and is not solely reliant on the Navy contract to provide samples to its compressed air laboratory. This affords the Navy with a financially stable vendor for the long term. This client base is also a very demanding consumer of their services, expecting only the best and timeliest of services. TRI consistently meets its commitment to satisfying the testing needs of our entire client base.

Excellent Customer Service

TRI’s bar-coded and automated sample data entry and reporting system allows for error-free processing of a high volume of samples daily. This system has allowed TRI to maintain logistical control of samples at all times and to provide information that exceeds the expectations of their client base on a regular basis. Their customer service representatives understand the sampling and analytical processes and can provide timely and correct answers to their end-user’s questions.

Superior Sampling Methodology for:

Oil Mist

TRI offers a much superior methodology for sampling oil mist and particulate than other providers of these testing services. TRI's high surface, low velocity methodology utilizing a glass fiber filter is recommended by the Compressed Gas Association (CGA G7.1-1997). The filter captures a truly representative sample of the oil mist present in the air stream.

Moisture

The TRI method for conducting moisture testing is an on-site method that directly measures the moisture content of the compressed air stream using a Draeger tube. They choose to use this onsite method because moisture content measured from a low-pressure sample container can be inaccurate due to the loss or gain of moisture through interaction with the interior surfaces of the sample container. Also, differences between the sampling temperature and the temperature when the moisture analysis is conducted remotely can introduce error into moisture results. TRI's methodology represents an accurate picture of the moisture content of the DCAT program breathing air.

Full Service Capabilities

TRI offers a full range of analytical testing capabilities that can be used to support the DCAT program in investigations of compressed breathing air problems. TRI can internally provide more sophisticated testing services such as Gas Chromatography/Mass Spectrometry analysis (GC/MS) for identification and quantification of volatile organic compounds. TRI also has a Ph.D. analytical chemist on its staff to assist DCAT clients with complex problems associated with breathing air or other industrial hygiene issues. TRI has worked, outside the DCAT contract, with the Navy on diving-air holding tank concerns by providing sampling equipment and analysis results of trace amounts of zinc, chromate, and quartz.