



Visual Cylinder Inspection Workshop

April 25th at Adventure Sports

- Review Reported Cylinder Explosion Incidents
- Review C.G.A. Guidelines & Federal Regs.
- EANx Cylinder Inspection Protocol
- History & Evolution of Cylinder Inspection
- 3AA, 3AL & Composite Cylinder Manufacture
- Composites-Fiber Glass, Kevlar, Carbon Fiber
- Proper Filling Procedures & Recommendations
- Sustained Load Cracking in Aluminum Cylinders
- Damage Limits of 3AA, 3AL & Composites
- Review of Eddy Current Inspection Devices
- Thread Standards & Cylinder Rejection Limits
- Cylinder Cleaning Procedures & Tumbling
- Eighteen Step Cylinder Inspection Protocol
- Cylinder Visual Inspection Frequency
- HAZMAT Training for Fill Station Operators
- HAZMAT Training for Cylinder Handlers

Cost of class is \$300

DOT Requires Hazmat Training For Fill Station Operators!!

INSTRUCTOR GUIDE

GUIDE FOR FILL STATION OPERATIONS

SCUBA - SCBA Multimedia Presentation



INSTRUCTOR GUIDE

CYLINDER HAZMAT TRAINING

SCUBA - SCBA Multimedia Presentation



Worldwide Training in Cylinder Safety

Deluxe Multi-Media Guides for Fill Station Operators & Hazmat Training

- PowerPoint Slides
- Student Handouts
- Documentation

Adventure Sports is proud to be hosting PSI/PCI instructor **Amy Morgen Bruecks** for a weekend of training! Visit Amy's web site www.amybruecks.com

ADDITIONAL COURSES OFFERED APRIL 26th

- **EDDY CURRENT TECHNICIAN**—This 2 hour hands-on course provides Visual Cylinder Inspectors with the added training to know when and how to conduct a proper Eddy Current test. **Cost of class is \$150**
- **VALVE REPAIR TECHNICIAN**—This 2 hour course provides a broad overview of SCUBA valve types, valve repair and valve care. **Cost of class is \$150**
- **OXYGEN CYLINDER CLEANING TECHNICIAN**—This 2 hour course meets the guidelines established by the CGA, OSHA, NASA and the manufacturers and will provide you with the information you need to know in order to properly clean SCUBA cylinders for use in oxygen service. **Cost of class is \$150**

We will be catering BBQ from "Hog Wild" for lunch on both day's, this is included in the price of your training!



For training opportunities please contact:

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Worldwide Training in High Pressure Cylinder Safety®



PROFESSIONAL
SSCUBA
INSPECTORS



PROFESSIONAL
CYLINDER
INSPECTORS

Includes Hazardous Material Training in:

- SCUBA & SCBA Fill Station Operators and/or Cylinder handlers
- SCBA's for Emergency Service

For more information visit www.pscylinders.com

Visual Cylinder Inspector Workshop

More Defendable is More Dependable!

Qualified Training Reduces Fines

Only when it is

“FUNCTION SPECIFIC”

The Code of Federal Regulations (C.F.R.) require that employees who work with or handle hazardous materials must receive appropriate “function specific” safety related training. By definition, high-pressure cylinder contents (Scuba, SCBA, moisture separators/filters and storage) are hazardous materials. While OSHA and EPA regulations address some hazardous material applications. Title 49 C.F.R., subpart H, 172.700 in very general terms describes cylinder hazardous material training requirements.

Visual Inspector Training is required to be conducted every three years and within 90 days of hire and shall include the following:

1. General awareness/familiarization training
2. Function-specific training
3. Safety training concerning - Emergency response, measures to protect employees, methods and procedures for avoiding accidents and safe handling procedures.

OSHA, Title (29)

“Each employer shall determine that compressed gas cylinders under his control are in a safe condition to the extent that this can be determined by visual inspection. Visual and other inspections shall be conducted as prescribed in the Hazardous Materials Regulations of the Department of Transportation . (Title 49 CFR 180). “

PSI/PCI, Inc. is the only full-service visual inspection corporation of its kind in the world. Both PSI/PCI's textbook and program have been cited by U.S. Courts as the authority in Visual Cylinder Inspection of SCUBA and SCBA.

"90% of Air Cylinder Explosions Occur During the Filling Process"

Over 21,000 inspectors trained in 13 Countries

Explosive failures each year demonstrate the need for technical cylinder inspector training. In 2000 there were nine cylinder failures, in 1999 there were eleven and in 1998 there were ten. Each of these was a catastrophic failure that could have been prevented with proper, formal training in our VCI workshop.

PSI/PCI, Inc. is a “one stop” shop providing both training and inspection materials. We can provide you with the professional tools you need to conduct visual cylinder inspections.

We also provide a variety of other inspection related items to include tumblers and tumbling media, inspection lights, and O-rings.



PROFESSIONAL
SCUBA
INSPECTORS