



Pennsylvania State Fire Academy

Self-Contained Breathing Apparatus Inspection Checklist



| | |
|-----------------------|------------------------|
| SCBA Make and Model | Today's Date |
| | |
| Cylinder DOT-E Number | Cylinder Serial Number |
| DOT-E | |

Instructions:

1. This checklist shall be used for a Open Circuit Self-Contained Breathing Apparatus (SCBA) only
2. This inspection complies with the intent of NFPA 1852, **Selection, Care, and Maintenance of Open Circuit Self Contained Breathing Apparatus, 2013 Edition, Chapter 7, Maintenance**
3. Units that are soiled or contaminated shall be cleaned prior to inspection

Definitions:

“Soiled” - Soil is easily transferred from one surface to another

“Contaminated” - Presence of a visual or odorous foreign substance

4. Place an X in the appropriate box (P)ass or (F)ail

| Facepiece | | | | | |
|--|---|---|---|---|---|
| | P | F | | P | F |
| Overall assembly: free from deterioration, dirt and damage | | | Lens: free from cracks, crazing, thermal, or other damage | | |
| Headnet and harness anchors: present, functional and undamaged | | | Exhalation valve: functional and undamaged | | |
| Regulator connection: functional and undamaged | | | Speaking diaphragm: functional and undamaged | | |
| Rubber Components: free from deformation, wear, damage, and cracks | | | Lens Frame Retainer: present and correctly installed | | |

| Backplate and Harness Assembly | | | | | |
|--|---|---|---|---|---|
| | P | F | | P | F |
| Harness and Backframe assemblies: free from cuts, tears and damage | | | Cylinder Retention System: functional and undamaged | | |
| Fastening assemblies: operate properly | | | Straps: extend fully | | |

| Cylinder | | | | | |
|---|---|---|-----------------------------|---|---|
| | P | F | | P | F |
| Hydrostatic test: current | | | Threads: serviceable | | |
| Gauge: functional and undamaged | | | Valve hand wheel: undamaged | | |
| Cylinder: cracks, dents, or damage | | | Burst disc outlet: clear | | |
| Composite cylinder: cuts, gouges, or damage | | | Cylinder pressure: full | | |

| Construction (Circle) | Last Hydro Date | Hydro Retest Req. | Hydro Due Date | Service Life(yrs.) | End of Life Date |
|-----------------------|-----------------|-------------------|----------------|--------------------|------------------|
| Steel or Aluminium | | 5 years | | Indefinite | |
| Hoop wrapped Alum. | | 3 years | | 15 Years | |
| Fiberglass wrapped | | 3 years | | 15 Years | |
| Kevlar wrapped | | 3 years | | 15 Years | |
| Carbon Fiber wrapped | | 5 years | | 15 Years | |

| Hoses | | | | | |
|---|---|---|---|---|---|
| | P | F | | P | F |
| Free of cuts, abrasion, or damage | | | Connections tight | | |
| External fittings: functional and undamaged | | | Coupling nipple seal; present and undamaged | | |

| Pressure Retention Test | | | | | |
|--|--|--|--|---|---|
| Procedure: Close all valves, open cylinder valve fully then close. | | | | P | F |
| No audible pressure loss, or visual loss of greater than 100 psi in 10 seconds | | | | | |

| End of Service Time Indicator(ESTI) | | | | | |
|-------------------------------------|---|---|-----------------------------------|---|---|
| | P | F | | P | F |
| Mount secure and debris free | | | Fitting: functional and undamaged | | |
| Proper activation pressure | | | | | |

| Regulator Assembly | | | | | |
|-----------------------------------|---|---|------------------------------------|---|---|
| | P | F | | P | F |
| Control: functional and undamaged | | | Pressure relief device: undamaged | | |
| Housing: undamaged | | | | | |
| No unusual noises while operating | | | Normal and bypass modes functional | | |

| Remote Pressure Gauge / Remote Console | | | | | |
|--|---|---|--|---|---|
| | P | F | | P | F |
| Undamaged | | | Remote gauge and cylinder pressure within 5% | | |

| Personal Alert Safety System(PASS) | | | | | |
|------------------------------------|---|---|---------------------------------|---|---|
| | P | F | | P | F |
| Excessive wear or damage | | | Battery covers secure | | |
| Functions properly | | | Low battery warning not present | | |

| Other Components | | | | | |
|---|---|---|-----------------------|---|---|
| | P | F | | P | F |
| Heads Up Display(HUD): functional and undamaged | | | Voice amp serviceable | | |
| Rapid Intervention Connection/Universal Air Connection(RIC/UAC)storable and serviceable | | | | | |

COMMENTS:

Inspected by: _____ Signature: _____