




**PRINCE GEORGE'S COUNTY, MARYLAND
FIRE/EMERGENCY MEDICAL SERVICES DEPARTMENT GENERAL ORDER**

General Order Number: 02-32	Effective Date: December 3, 2021
Division: Apparatus and Equipment	
Chapter: Refilling SCBA Cylinders and Hydrostatic Testing	
By Order of the Fire Chief: Tiffany D. Green 	Issue Date: December 3, 2021

POLICY

This General Order shall set forth a policy and procedure governing the refilling of Self Contained Breathing Apparatus (SCBA) cylinders, based upon the manufacturer's safety precautions.

DEFINITIONS

N/A

PROCEDURES / RESPONSIBILITIES

I. General Provisions

- A. The following procedures will enhance the level of safety provided to all personnel in the Fire/EMS Department and are to be followed whenever breathing apparatus cylinders are refilled.
 - 1. Visually inspect the cylinder and ensure there is no obvious damage to the cylinder. If there is any doubt as to the safety of the cylinder, it is to be placed out of service and sent to Apparatus Maintenance for inspection.
 - 2. During the visual inspection, ensure that the hydrostatic date is current. (See the attached examples.) If the cylinder is out of hydro, it is to be placed out of service and sent for hydrostatic testing. Carbon-fiberglass cylinders are to be tested every five (5) years.
 - 3. During the visual inspection of carbon-fiberglass cylinders, ensure that the cylinder is within its "useful life." Carbon-fiberglass cylinders have a useful life of fifteen (15) years from the date of manufacture. (See the attached examples.)
 - 4. Inspect the threads on the cylinder and the connection to ensure that they are clean and free of dirt, and are in good condition.
 - 5. Cylinders are to be filled at a slow rate to reduce the heating of the cylinder caused by compression of the air.
 - 6. To ensure full charge of breathing air cylinders, terminate the filling when the pressure reaches the service pressure of the cylinder (5500 PSI). Allow it to cool to room temperature, and then, if necessary, top-off the cylinder.
 - 7. A written cylinder fill log shall be maintained at every location that fills/refills cylinders. It should include date, person filling, cylinder S/N, final fill pressure, and hydro daze.



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II. Hydrostatic Testing

- A. If you have a cylinder or cylinders due for hydrostatic testing, the following procedures are to be followed:
 - 1. Send to the Breathing Apparatus (BA) Shop, with completed shop ticket.
- B. These procedures shall be posted at the cascade system or fill station at each Fire/EMS Department station or work location.

REFERENCES

NFPA 1989 Standard on Breathing Air Quality for Emergency Services Respiratory Protection

FORMS / ATTACHMENTS

Attachment A – Cylinder Fill Log

Attachment B – Cylinder Date of Manufacture and Hydrostatic Test Date Locations

Attachment C – PGC Form #58 (Rev. 8/04), Shop Ticket

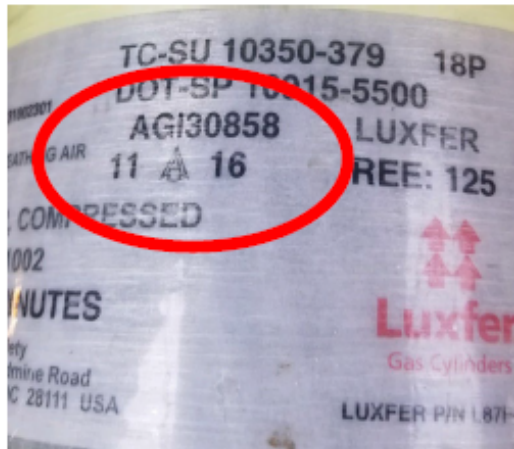
**PRINCE GEORGE'S COUNTY FIRE/EMS DEPARTMENT
APPARATUS MAINTENANCE**
301-817-3761 301-817-3760 (FAX)

QUAN	PART NUMBER	DESCRIPTION	SALE AMOUNT								
					1.						
					STATION #		VENDOR NAME		DATE:		
					YEAR	MAKE	MODEL	VEHICLE I.D. NUMBER			
								M _ _ _ _ _			
					SERIAL NUMBER		MILEAGE		ENGINE HOURS		
					DATE IN	DATE OUT	ORDER WRITTEN BY:			LABOR CHARGE	
							NAME:		ID #:		
					2. SHOP TICKET # - DESCRIPTION OF PROBLEM						
							1.				
							2.				
							3.				
							4.				
					TOTAL PARTS						
					OUTSIDE SUBLET REPAIRS			5.			
							6.				
					TOTAL SUBLET REPAIRS		3. THE ABOVE WORK HAS <input type="checkbox"/> OR HAS NOT <input type="checkbox"/>			TOTAL LABOR	
					5. PRE-ACCEPTANCE INSPECTION		BEEN SATISFACTORILY COMPLETED			TOTAL PARTS	
					INITIAL	VEHICLE RECORD		DATE:			MISCELLANEOUS
							SIGNED:		ID #:	SUBLET REPAIRS	
							4. PROPERTY RECEIPT			PAY THIS AMOUNT	
							DATE RECEIVED:				
							SIGNED:				
							FUEL LEVEL - 1/4 - 1/2 - 3/4 - F (Circle)				



All cylinders have a serial number on them. They begin the with AGH for the 45 minutes, and all the 60 minutes begin with AGI. Directly under the serial number is the date of manufacture(DOM). The hydrostatic test is due every 5 years from the DOM. We used 2 different vendors for hydro testing, their hydro certification sticker is epoxied on the cylinder. Their stickers list the month and year the test was performed. The hydro tests are required every 5 years.

The serial number of this cylinder is AGI30858 and the DOM is November of 2016



This hydro test was performed January of 2020, and the next test will be due by January 2025.



This hydro test was performed August of 2020, and the next test will be due by August 2025.

