

Question	Hint	Reference
Are there published procedures for oxygen transfilling?	Verify the existence of procedure and interview end user for demonstration of access to the document(s)	SAE AIR1059D Para. 3
Are the standards used to create procedures appropriate?	Verify CGA, SAE or other standards used and revision status	SAE AIR1059D Para. 2.1.2
Is there a training program established for personnel involved in oxygen transfilling?	Sample individuals signing certificate of conformities and verify training accomplishment	SAE AIR1059D Para. 3
Are delivery tickets including purity statement against AS8010 or MIL-PRF-27210?	Verify for statement on ticket	SAE AIR1059D Para. 4.1
Are delivery tickets retained for a period of 5 years?	Verify if the delivery tickets are filed for at least 5 years	SAE AIR1059D Para. 4.1
Do test procedure have evidence of odor, moisture, pressure and leakage verifications?	Verify test report to identify evidence of odor, moisture, pressure and leakage testing.	SAE AIR1059D Para. 4.2
Is the purity of oxygen reaching the minimum level of 99.5%	Verify for result on delivery ticket or other referenced report	SAE AIR1059D Para. 4.3
Is the moisture content verified and within limits?	Check for evidence that serviced cylinders do not contain more than 0.02 mg of water per liter of gas at 21 C (70F) @ 1013 mbar. This should be a value on test reports.	SAE AIR1059D Para. 4.4
Are individuals involved in odor test subject to periodic smell test and/or instructed not to perform test when smelling function is altered by a cold or otherwise?	Best practice question only with observation outcome	SAE AIR1059D Para. 4.5
Is the filling pressure measured using a calibrated gauge?	Check for a calibration label with an expiry date in the future. Request calibration record and observe if the gauge is within tolerance at initial testing. Check if calibration interval are revised if gauge faulty at reception.	SAE AIR1059D Para. 4.6
Is there evidence that the cylinder pressure gauge is within 50 psi of refilling equipment gauge reading?	Check if the comparison is on file for verification	SAE AIR1059D Para. 4.7
Does the leakage test includes a "outlet capped-valve open" verification?	Check for evidence of successful leakage testing including with the outlet-capped and valve open	SAE AIR1059D Para. 4.8

Is there a procedure to identify cylinders received empty and with valve open?		SAE AIR1059D Para. 4.9
Are cylinders inspected in accordance with CGA C-6 or C-6x as applicable?		SAE AIR1059D Para. 4.9
Is the cylinder cleaning effectiveness verified as per ARP1176?		SAE AIR1059D Para. 4.9
Are the minimum drying time respected?	Verify if there is evidence of a process ensuring that the minimum times are respected 80F for 3 minutes (e.g.: Start time/Stop time recording)	SAE AIR1059D Para. 4.9
Are each cylinder evacuated with vacuum after re-assembly and prior to refilling?	Check if a vacuum is applied for a minimum of 30 minutes at 27 inches of mercury (914 hPa)	SAE AIR1059D Para. 4.9
Are cylinders capped in regulator/valve not immediately replaced?	Self-explanatory. Check if caps are appropriate. Screw on type.	SAE AIR1059D Para. 4.9
Is there evidence that working pressures, hydro static due dates and external inspections have been performed?	Verify for these activities on a form/work order	SAE AIR1059D Para. 4.10
Is the purity sampling test performed after refill?	Verify if test performed and that sampled population match table 1 requirement of AIR1059D	SAE AIR1059D Para. 5.3
Are lots recalled in the event of a purity test sample failure?	Verify the process in place if there are multiple customers to be called in the event of a recall. How are the stake holders identified? Request for an example if situation was encountered.	SAE AIR1059D Para. 5.3.2
Is the refilling equipment piping material meeting ASTM G63 and ASTM G94?		SAE AIR1059D Para. 7
Are cylinders stored and handled according to CGA C-1	Verify if there is a published process based on CGA C-1 and that the process is adhered to.	SAE AIR1059D Para. 8
Is the refilling equipment for high pressure service identified "For High Pressure Oxygen Service"?	Self-explanatory.	SAE AIR1059D Para. 12.2
Is the refilling equipment capped when not in use?	Check if all equipment stored in clean area and capped	SAE AIR1059D Para. 12.2