Anesthesia Machine Checklist for Mobile S/N Environments

1. **Check oxygen supply**
   - Full E & H Tank pressure around 2000 psi
   - Full E tank contains ~ 700L; Full H tank contains ~7000L
   - Assess function of oxygen concentrator (machine-side or central)

2. **Turn on flowmeter**
   - Flowmeter knob should turn smoothly
   - Bobbin should move through tube easily and spin

3. **Check inhalant level in vaporizer**

4. **Check color of CO₂ absorbent**

5. **Decide which breathing circuit will be used and make certain all attachments are correct**
   - **Pressure check nonrebreathing circuit**
     - Attach small rebreathing bag to patient end of circuit
     - Close pop-off valve
     - Turn on flow meter & fill reservoir bag
     - Turn off O₂ flow and make sure both bags remain inflated
   - **Pressure check rebreathing circuit**
     - Close pop-off valve
     - Attach small rebreathing bag to patient end of circuit
     - Pressurize circuit to 25 cmH₂O by turning on flow meter
     - Turn off flow meter and watch manometer for drop in pressure
     - If pressure in circuit decreases slowly turn on flowmeter until pressure loss stop
     - Flow at which pressure loss stops is = rate of leak
       - Leak < 250 mL/min is acceptable
     - Squeeze rebreathing bag to evaluate for normal movement of one way valves
     - One-way valves should be clean and dry
     - **Open pop-off valve to release pressure in circuit**

6. **Scavenger system**
   - Weigh F/AIR canister. Discard after 50 g weight gain
   - Collection tubing connected to the pop-off valve and F/Air canister
   - Make sure F/Air canister exhaust is not blocked