

# Oil Bottle Fill Guide



Too Little



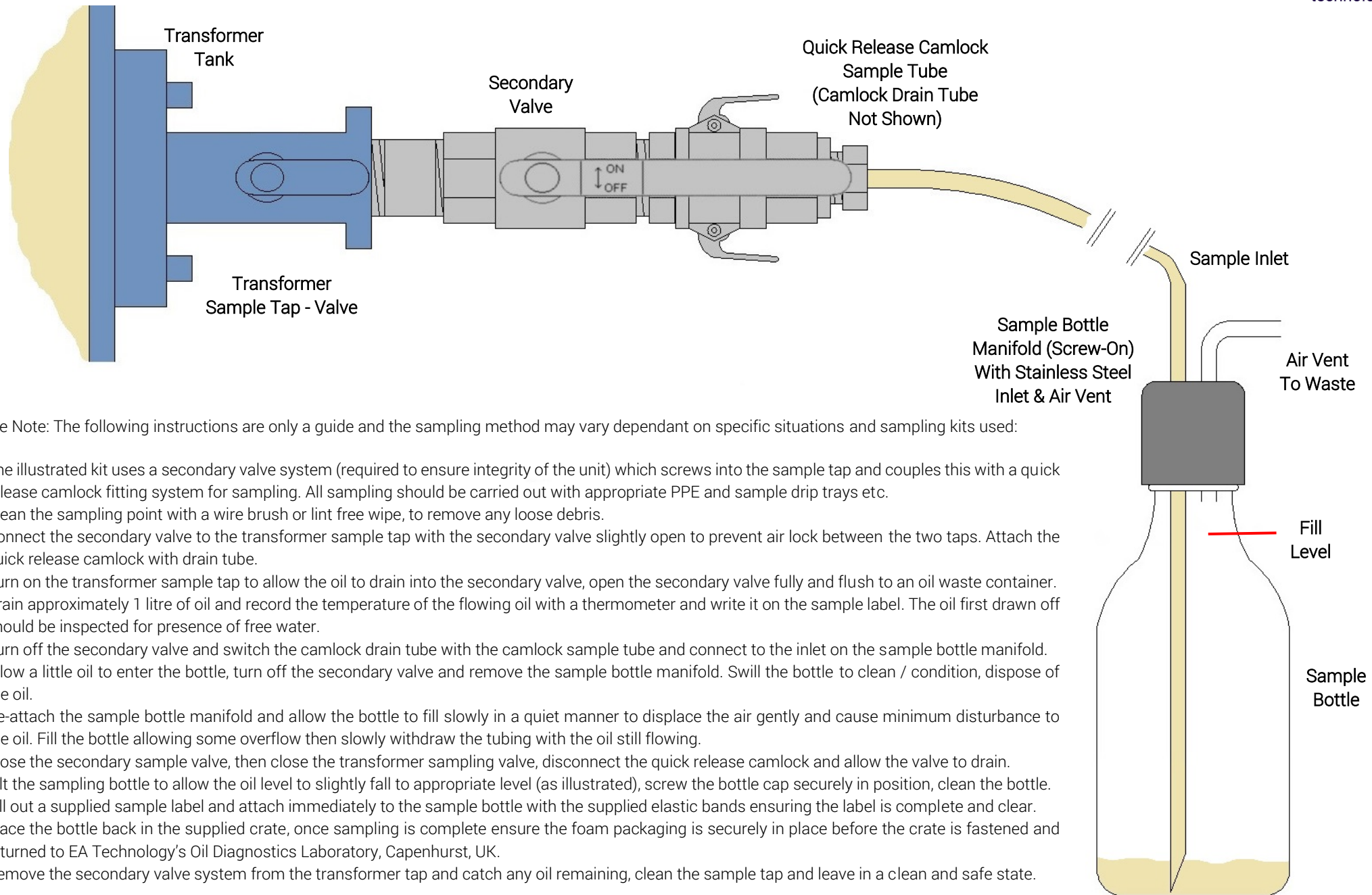
Just Right



Too Much



# Transformer Oil Sampling Guide



Please Note: The following instructions are only a guide and the sampling method may vary dependant on specific situations and sampling kits used:

- The illustrated kit uses a secondary valve system (required to ensure integrity of the unit) which screws into the sample tap and couples this with a quick release camlock fitting system for sampling. All sampling should be carried out with appropriate PPE and sample drip trays etc.
- Clean the sampling point with a wire brush or lint free wipe, to remove any loose debris.
- Connect the secondary valve to the transformer sample tap with the secondary valve slightly open to prevent air lock between the two taps. Attach the quick release camlock with drain tube.
- Turn on the transformer sample tap to allow the oil to drain into the secondary valve, open the secondary valve fully and flush to an oil waste container.
- Drain approximately 1 litre of oil and record the temperature of the flowing oil with a thermometer and write it on the sample label. The oil first drawn off should be inspected for presence of free water.
- Turn off the secondary valve and switch the camlock drain tube with the camlock sample tube and connect to the inlet on the sample bottle manifold.
- Allow a little oil to enter the bottle, turn off the secondary valve and remove the sample bottle manifold. Swill the bottle to clean / condition, dispose of the oil.
- Re-attach the sample bottle manifold and allow the bottle to fill slowly in a quiet manner to displace the air gently and cause minimum disturbance to the oil. Fill the bottle allowing some overflow then slowly withdraw the tubing with the oil still flowing.
- Close the secondary sample valve, then close the transformer sampling valve, disconnect the quick release camlock and allow the valve to drain.
- Tilt the sampling bottle to allow the oil level to slightly fall to appropriate level (as illustrated), screw the bottle cap securely in position, clean the bottle.
- Fill out a supplied sample label and attach immediately to the sample bottle with the supplied elastic bands ensuring the label is complete and clear.
- Place the bottle back in the supplied crate, once sampling is complete ensure the foam packaging is securely in place before the crate is fastened and returned to EA Technology's Oil Diagnostics Laboratory, Capenhurst, UK.
- Remove the secondary valve system from the transformer tap and catch any oil remaining, clean the sample tap and leave in a clean and safe state.