

## Additional Exhaust and Crankcase sample collection considerations

Some oil dipstick tube tops are difficult to get at:

1. Some smaller engines (Yanmar, etc.) have 1.25" ID oil fill/dipstick tubes. We provide a 1.25" OD plastic tube with 1" ID for the 3-way adapter in the kit.
2. To get a sample from a common Cummins dipstick tube with the notched 'cup' at the top, we provide a clear plastic attachment so that the narrow section can be inserted into the tube and the SenX sensor can be inserted into the wider diameter tube. The narrow tube fits many oil dipstick tubes snugly.
3. Some horizontal exhausts now have baffles to reduce the danger of starting grass fires from the heat of DPF regens. To accommodate these, we provide a 27" silicone rubber hose that can be used to 'thread' through the baffles to get a good exhaust pulse from the exhaust. The SenX sensor with tapered attachment can be inserted to the external end of the hose.
4. The clamp of the provided exhaust sampler might slide and squeeze the silicone hose. Verify that the clamp is over the metal insert that is designed to prevent distortion of the airflow from the exhaust to the sensor.

