U.S. EPA-NVFEL Small SI Engine Setup

- 1. Please specify the following:
 - Cylinder Head temperature (location or port for thermocouple)
 - Inlet Air temperature (location or port for thermocouple)
 - Engine Oil temperature (location or port for thermocouple)
 - Exhaust temperature (location or port for thermocouple)
- 2. The engine must be supplied with any necessary external cooling, if applicable.
- 3. The manufacturer must supply all oil needed for testing in a labeled container separate from the engine (i.e., may be one shipment consisting of two containers). The manufacturer must also supply the relevant MSDS Sheets.
- 4. The engine must be supplied with a manually adjustable throttle and governor control, if applicable. A procedure to disable the governor must be supplied.
- 5. The engine must be supplied with the operator's manual.
- 6. The direction of crankshaft rotation must be marked on the outside of the engine.
- 7. The engine must be equipped with an hour meter with 1/10 hour resolution. The hour meter must be installed on the engine and reflect the number of operating hours accumulated on that engine.
- 8. The engine must be equipped with a muffler, air cleaner, all emissions components consistent with the certification applications, and any other components needed to run the test.
- 9. The manufacturer must supply a properly positioned fuel tank or the appropriate fuel system information if the engine is sold without a fuel tank.
- 10. Manufacturer must supply exact diameter of engine driveshaft in either inches or millimeters. If the driveshaft is tapered, the manufacturer must supply taper specifications.

