
40 C.F.R. § 1065.110

Work inputs and outputs, accessory work, and operator demand.

(a) *Work*. Use good engineering judgment to simulate all engine work inputs and outputs as they typically would operate in use. Account for work inputs and outputs during an emission test by measuring them; or, if they are small, you may show by engineering analysis that disregarding them does not affect your ability to determine the net work output by more than $\pm 0.5\%$ of the net expected work output over the test interval. Use equipment to simulate the specific types of work, as follows:

(1) *Shaft work*. Use an engine dynamometer that is able to meet the cycle-validation criteria in § 1065.514 over each applicable duty cycle.

(i) You may use eddy-current and water-brake dynamometers for any testing that does not involve engine motoring, which is identified by negative torque commands in a reference duty cycle. See the standard setting part for reference duty cycles that are applicable to your engine.

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