
40 C.F.R. § 1042.235

Emission testing related to certification.

This section describes the emission testing you must perform to show compliance with the emission standards in § 1042.101(a) or § 1042.104. See § 1042.205(p) regarding emission testing related to the NTE standards. See §§ 1042.240 and 1042.245 and 40 CFR part 1065, subpart E, regarding service accumulation before emission testing. See § 1042.655 for special testing provisions available for Category 3 engines subject to Tier 3 standards.

- (a) Select an emission-data engine from each engine family for testing. For engines at or above 560 kW, you may use a development engine that is equivalent in design to the engine being certified. For Category 3 engines, you may use a single-cylinder version of the engine. Using good engineering judgment, select the engine configuration most likely to exceed an applicable emission standard over the useful life, considering all exhaust emission constituents and the range of installation options available to vessel manufacturers.
- (b) Test your emission-data engines using the procedures and equipment specified in subpart F of this part. In the case of dual-fuel engines, measure emissions when operating with each type of fuel for which you intend to certify the engine. In the case of flexible-fuel engines, measure emissions when operating with the fuel mixture that best represents in-use operation or is most likely to have the highest NO_x emissions (or NO_x+HC emissions for engines subject to NO_x+HC standards), though you may ask us to instead to perform tests with both fuels separately if you can show that intermediate mixtures are not likely to occur in use.

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